



1  
00:00:03,619 --> 00:00:02,810  
and it hits me oh my gosh this is that

2  
00:00:04,670 --> 00:00:03,629  
triangle

3  
00:00:05,780 --> 00:00:04,680  
you know there's explanation for

4  
00:00:08,839 --> 00:00:05,790  
everything that occurred in the

5  
00:00:11,600 --> 00:00:08,849  
Rendlesham forest incident billions at

6  
00:00:16,460 --> 00:00:11,610  
all it was completely silent it comes

7  
00:00:18,349 --> 00:00:16,470  
right over our heads it's also really

8  
00:00:20,150 --> 00:00:18,359  
standing me the Clery he turned over to

9  
00:00:25,089 --> 00:00:20,160  
my father held his hand and he looked in

10  
00:00:31,250 --> 00:00:28,849  
welcome to podcast UFO for our live show

11  
00:00:33,440 --> 00:00:31,260  
we're live every Wednesday at 8 p.m.

12  
00:00:35,990 --> 00:00:33,450  
Eastern Standard Time on the dark matter

13  
00:00:39,650 --> 00:00:36,000

radio network please remember to visit

14

00:00:42,830 --> 00:00:39,660

the website podcast UFO calm for past

15

00:00:44,840 --> 00:00:42,840

episodes blogs and forums during the

16

00:00:47,330 --> 00:00:44,850

show feel free to participate live in

17

00:00:49,459 --> 00:00:47,340

our chat room and don't forget to like

18

00:00:52,400 --> 00:00:49,469

us on our very active Facebook page

19

00:00:54,920 --> 00:00:52,410

hello and welcome to the show I'm Martin

20

00:00:57,139 --> 00:00:54,930

Willis your host and we have a humdinger

21

00:00:59,810 --> 00:00:57,149

for you tonight though that being said

22

00:01:02,389 --> 00:00:59,820

we didn't have enough time for UFO news

23

00:01:05,090 --> 00:01:02,399

but there's quite a lot of going on

24

00:01:07,100 --> 00:01:05,100

right now and our first two guests will

25

00:01:09,170 --> 00:01:07,110

actually be talking about a headliner so

26

00:01:11,690 --> 00:01:09,180

if you want to check out what else is

27

00:01:15,080 --> 00:01:11,700

going on in the UFO news you can listen

28

00:01:19,490 --> 00:01:15,090

to Alejandro Rojas and my banter over at

29

00:01:22,490 --> 00:01:19,500

open minds TV tonight's guests we start

30

00:01:24,410 --> 00:01:22,500

out with Marc Rutger who has been for

31

00:01:27,740 --> 00:01:24,420

several years the scientific director of

32

00:01:31,219 --> 00:01:27,750

the center of UFO studies his interest

33

00:01:33,710 --> 00:01:31,229

in UFO research is a wide ranging

34

00:01:35,569 --> 00:01:33,720

including vehicle interference cases

35

00:01:38,990 --> 00:01:35,579

which i think is interesting physical

36

00:01:42,920 --> 00:01:39,000

trace cases and abductions and of course

37

00:01:44,929 --> 00:01:42,930

we have repeat guests leslie kane and we

38

00:01:47,420 --> 00:01:44,939

know her as a journalist who has been

39

00:01:50,179 --> 00:01:47,430

investigating and reporting on UFOs in

40

00:01:52,670 --> 00:01:50,189

the mainstream for 15 years an author of

41

00:01:54,859 --> 00:01:52,680

The New York Times bestseller UFOs

42

00:01:56,270 --> 00:01:54,869

generals pilots and government officials

43

00:01:58,340 --> 00:01:56,280

go on the record

44

00:02:00,260 --> 00:01:58,350

they'll be on for the first 40 minutes

45

00:02:03,380 --> 00:02:00,270

and if you're listening live we are

46

00:02:08,089 --> 00:02:03,390

taking calls write this number down 603

47

00:02:10,279 --> 00:02:08,099

nine six seven four oh three oh and our

48

00:02:12,400 --> 00:02:10,289

guests for the remainder of the show is

49

00:02:14,230 --> 00:02:12,410

the one and only Michael Shermer dark

50

00:02:17,770 --> 00:02:14,240

Michael Shermer is a founding publisher

51  
00:02:19,660 --> 00:02:17,780  
of skeptic magazine a monthly columnist

52  
00:02:23,710 --> 00:02:19,670  
for a Scientific American and a regular

53  
00:02:25,120 --> 00:02:23,720  
contributor to time.com and really

54  
00:02:26,380 --> 00:02:25,130  
looking forward to talking to him before

55  
00:02:29,050 --> 00:02:26,390  
we get started I wanted to thank

56  
00:02:31,060 --> 00:02:29,060  
everyone for all the support for the

57  
00:02:32,920 --> 00:02:31,070  
show again I thank you very much for

58  
00:02:35,920 --> 00:02:32,930  
that you know the first hour is always

59  
00:02:38,200 --> 00:02:35,930  
free on podcast UFO calm the poll show

60  
00:02:40,300 --> 00:02:38,210  
is by subscription and all that

61  
00:02:42,430 --> 00:02:40,310  
information is on our website and it's

62  
00:02:44,080 --> 00:02:42,440  
under the support tab if you cannot

63  
00:02:45,820 --> 00:02:44,090

support the show for a dollar amount

64

00:02:47,860 --> 00:02:45,830

tomorrow we still appreciate each and

65

00:02:50,140 --> 00:02:47,870

every listener remember you can always

66

00:02:52,720 --> 00:02:50,150

listen to the whole show for free every

67

00:02:55,480 --> 00:02:52,730

Wednesday like right now at 8 to 10 p.m.

68

00:02:58,930 --> 00:02:55,490

and you can jump in the chat room at

69

00:03:00,550 --> 00:02:58,940

podcast UFO calm and posed guest for

70

00:03:04,510 --> 00:03:00,560

questions or interact with other people

71

00:03:08,260 --> 00:03:04,520

listening and you could mention before

72

00:03:10,630 --> 00:03:08,270

you can call in at 6:03 9 6 7 403 o you

73

00:03:13,870 --> 00:03:10,640

can also Skype in and that's at marty

74

00:03:17,500 --> 00:03:13,880

willis for a user name on skype that's

75

00:03:18,850 --> 00:03:17,510

ma RT y wi ll is and i don't like being

76

00:03:21,010 --> 00:03:18,860

called marty so I don't know why I did

77

00:03:23,740 --> 00:03:21,020

that but anyway alright it's time to

78

00:03:29,800 --> 00:03:23,750

bring on our guests mark Rutger and

79

00:03:32,920 --> 00:03:29,810

Leslie Kane how are you both doing yeah

80

00:03:36,190 --> 00:03:32,930

welcome to the show and you have some

81

00:03:38,890 --> 00:03:36,200

Leslie you have some news that's kind of

82

00:03:40,600 --> 00:03:38,900

snowballing and that's where you're here

83

00:03:42,340 --> 00:03:40,610

to talk about it so why don't you talk

84

00:03:44,670 --> 00:03:42,350

about your Huffington Post article and

85

00:03:47,680 --> 00:03:44,680

then we'll get right into UFO Datanet

86

00:03:50,380 --> 00:03:47,690

okay well I did release this piece last

87

00:03:52,870 --> 00:03:50,390

week and it's about an organization a

88

00:03:55,840 --> 00:03:52,880

new organization called UFO data which

89

00:03:57,250 --> 00:03:55,850

mark has sort of been Mark and one of

90

00:03:58,540 --> 00:03:57,260

the person have been kind of running and

91

00:04:01,780 --> 00:03:58,550

putting together for the last two years

92

00:04:04,060 --> 00:04:01,790

and finally this this group is ready to

93

00:04:07,570 --> 00:04:04,070

launch and so last week marked the

94

00:04:10,630 --> 00:04:07,580

actual launch of this operation and my

95

00:04:12,310 --> 00:04:10,640

piece talked about that and sort of put

96

00:04:14,590 --> 00:04:12,320

it in the context of the whole SETI

97

00:04:16,960 --> 00:04:14,600

search for extraterrestrial intelligence

98

00:04:19,930 --> 00:04:16,970

and weep we're thinking about this is

99

00:04:21,740 --> 00:04:19,940

sort of a very local SETI a way of

100

00:04:25,940 --> 00:04:21,750

looking for

101  
00:04:29,690 --> 00:04:25,950  
or hardware or possible items that could

102  
00:04:31,790 --> 00:04:29,700  
reflect some kind of et presence looking

103  
00:04:34,820 --> 00:04:31,800  
close to the planet instead of just

104  
00:04:36,770 --> 00:04:34,830  
looking out to nearby galaxies so that's

105  
00:04:39,290 --> 00:04:36,780  
sort of what's exciting about this group

106  
00:04:42,410 --> 00:04:39,300  
and Mark can talk more about the the

107  
00:04:44,090 --> 00:04:42,420  
specifics of it but I think it's really

108  
00:04:45,800 --> 00:04:44,100  
exciting in the context of all the

109  
00:04:48,020 --> 00:04:45,810  
discoveries that we're making about

110  
00:04:50,390 --> 00:04:48,030  
exoplanets and the more we learn about

111  
00:04:53,720 --> 00:04:50,400  
the possibility of life existing in

112  
00:04:56,270 --> 00:04:53,730  
other planets the more it seems relevant

113  
00:04:58,220 --> 00:04:56,280

to me and rational to not just look far

114

00:05:01,670 --> 00:04:58,230

away but we can also look close by for

115

00:05:03,710 --> 00:05:01,680

for any kind of potential evidence yes

116

00:05:06,320 --> 00:05:03,720

you know the thing that I'm sure I'm

117

00:05:08,600 --> 00:05:06,330

gonna be speaking to about later with

118

00:05:11,510 --> 00:05:08,610

the michael is you know the evidence

119

00:05:13,490 --> 00:05:11,520

it's always it's a you know trying to do

120

00:05:16,970 --> 00:05:13,500

science on ufos it's like a non

121

00:05:20,720 --> 00:05:16,980

repeatable or it's always you know hard

122

00:05:22,790 --> 00:05:20,730

to nail down so this will at least the

123

00:05:25,730 --> 00:05:22,800

idea here is to gather some type of

124

00:05:28,040 --> 00:05:25,740

evidence that of reoccurring and mark

125

00:05:31,100 --> 00:05:28,050

can you get into the details of these

126

00:05:33,290 --> 00:05:31,110

units and how they will be set up

127

00:05:36,050 --> 00:05:33,300

and getting and what type of data will

128

00:05:37,640 --> 00:05:36,060

they be gathering well if I'm if I'm a

129

00:05:40,970 --> 00:05:37,650

martin let me let me just start with a

130

00:05:43,790 --> 00:05:40,980

little background about the history of

131

00:05:47,659 --> 00:05:43,800

studying ufos in the field because while

132

00:05:50,680 --> 00:05:47,669

witness reports are important and we've

133

00:05:52,909 --> 00:05:50,690

learned things from them nothing beats

134

00:05:56,120 --> 00:05:52,919

actually measuring what you're studying

135

00:05:59,810 --> 00:05:56,130

in real time people have known that for

136

00:06:01,400 --> 00:05:59,820

years and there have been groups that

137

00:06:04,850 --> 00:06:01,410

have gone out into the field that has

138

00:06:07,400 --> 00:06:04,860

stalin in norway at yakima in washington

139

00:06:10,790 --> 00:06:07,410

state in the US and a few other places

140

00:06:13,460 --> 00:06:10,800

where they UFO phenomena let's say

141

00:06:16,580 --> 00:06:13,470

occurred repeatedly in me it was

142

00:06:18,409 --> 00:06:16,590

worthwhile to put something like the

143

00:06:20,390 --> 00:06:18,419

station we're going to be developing in

144

00:06:23,140 --> 00:06:20,400

that spot in fact hessed allen still has

145

00:06:26,810 --> 00:06:23,150

instruments there you know as we speak

146

00:06:30,529 --> 00:06:26,820

those efforts were all valiant and they

147

00:06:35,239 --> 00:06:30,539

and they did record some UFOs but they

148

00:06:38,419 --> 00:06:35,249

haven't moved us forward too far and so

149

00:06:40,819 --> 00:06:38,429

I and Alex went at Ohio State and

150

00:06:42,829 --> 00:06:40,829

several other people have been talking

151  
00:06:47,359 --> 00:06:42,839  
for a few years about the the need to

152  
00:06:49,549 --> 00:06:47,369  
get hard reliable real-time data on the

153  
00:06:52,759 --> 00:06:49,559  
whole phenomena and and and just see

154  
00:06:54,589 --> 00:06:52,769  
what it shows us whatever that is and so

155  
00:06:56,719 --> 00:06:54,599  
as Leslie said we've been talking about

156  
00:06:59,029 --> 00:06:56,729  
it actually longer than than two years

157  
00:07:01,429 --> 00:06:59,039  
but two years has been the true effort

158  
00:07:05,359 --> 00:07:01,439  
to get things organized and including a

159  
00:07:08,269 --> 00:07:05,369  
non-profit and so forth and you know we

160  
00:07:10,489 --> 00:07:08,279  
have a basic design for a station but

161  
00:07:14,569 --> 00:07:10,499  
you know I and we'll talk about that but

162  
00:07:16,939 --> 00:07:14,579  
we are very early in the process still

163  
00:07:18,679 --> 00:07:16,949

attracting high-quality volunteers which

164

00:07:20,749 --> 00:07:18,689

has been happening actually since the

165

00:07:22,850 --> 00:07:20,759

launch and we know we have a long way to

166

00:07:24,609 --> 00:07:22,860

go and that the details of the stations

167

00:07:27,859 --> 00:07:24,619

are still to be worked out even though

168

00:07:30,589 --> 00:07:27,869

it's easy to think about what we'd like

169

00:07:32,389 --> 00:07:30,599

to measure about the phenomena so but

170

00:07:37,029 --> 00:07:32,399

that that gives the listeners I think a

171

00:07:39,259 --> 00:07:37,039

good set you know a good sense of the

172

00:07:41,449 --> 00:07:39,269

background of the whole effort and and

173

00:07:45,619 --> 00:07:41,459

specifically this particular UFO data

174

00:07:47,839 --> 00:07:45,629

project now I had guests on awhile back

175

00:07:49,729 --> 00:07:47,849

Mark Dantonio and Doug Trumbull and

176

00:07:51,589 --> 00:07:49,739

they're working well they have been

177

00:07:55,219 --> 00:07:51,599

working for quite some time on a very

178

00:07:58,279 --> 00:07:55,229

similar type of idea I would be

179

00:08:00,919 --> 00:07:58,289

wonderful if if there could be some type

180

00:08:03,289 --> 00:08:00,929

of collaboration I just wondered if they

181

00:08:06,850 --> 00:08:03,299

have you been reaching out or has anyone

182

00:08:09,679 --> 00:08:06,860

reached out to anyone regarding this

183

00:08:11,359 --> 00:08:09,689

well I've been actually I've known Doug

184

00:08:14,059 --> 00:08:11,369

Trumbull for many years and I've been to

185

00:08:15,619 --> 00:08:14,069

his compound I've seen the project that

186

00:08:17,509 --> 00:08:15,629

he has and it's really excellent I think

187

00:08:21,649 --> 00:08:17,519

one of the differences is is that he has

188

00:08:23,329 --> 00:08:21,659

he has his gear in a Humvee and it's

189

00:08:25,879 --> 00:08:23,339

basically like the equivalent of one

190

00:08:27,259 --> 00:08:25,889

station that's on wheels and I'm not

191

00:08:30,859 --> 00:08:27,269

even sure I don't know to what extent

192

00:08:34,009 --> 00:08:30,869

the the technology that he has is as

193

00:08:36,259 --> 00:08:34,019

diverse as what we hope to have but he

194

00:08:38,059 --> 00:08:36,269

does have this station and he has been

195

00:08:41,809 --> 00:08:38,069

waiting to complete it so it actually

196

00:08:43,369 --> 00:08:41,819

hasn't really been used yet but we've

197

00:08:44,749 --> 00:08:43,379

had some communication with him and

198

00:08:45,949 --> 00:08:44,759

hopefully you know we all have the same

199

00:08:47,720 --> 00:08:45,959

goal so hopefully we're going to

200

00:08:48,920 --> 00:08:47,730

collaborate with him and many other

201  
00:08:51,320 --> 00:08:48,930  
people out there that are

202  
00:08:53,750 --> 00:08:51,330  
interested in this right I had a

203  
00:08:56,090 --> 00:08:53,760  
conversation with Mark Dantonio this

204  
00:08:58,040 --> 00:08:56,100  
last weekend and he basically said the

205  
00:09:00,410 --> 00:08:58,050  
same thing you know it's for everybody

206  
00:09:02,090 --> 00:09:00,420  
so he'd be willing to you know

207  
00:09:04,730 --> 00:09:02,100  
collaborate any type of way and also

208  
00:09:06,290 --> 00:09:04,740  
they have gone past this Humvee and

209  
00:09:08,120 --> 00:09:06,300  
they're what they're doing now is

210  
00:09:09,889 --> 00:09:08,130  
something very similar it's separate

211  
00:09:12,139 --> 00:09:09,899  
little units that are going to be put

212  
00:09:14,500 --> 00:09:12,149  
out in like hot spots and different

213  
00:09:18,440 --> 00:09:14,510

areas around the country and wirelessly

214

00:09:20,120 --> 00:09:18,450

controlled and data gathered so sounds

215

00:09:21,920 --> 00:09:20,130

like sounds like almost a fit and we

216

00:09:26,360 --> 00:09:21,930

could talk about that you know off air

217

00:09:28,370 --> 00:09:26,370

but so what are your hopes to get this

218

00:09:29,449 --> 00:09:28,380

thing rolling there's some possible

219

00:09:32,630 --> 00:09:29,459

crowdsourcing

220

00:09:36,019 --> 00:09:32,640

yes we're thinking of the project now is

221

00:09:37,430 --> 00:09:36,029

having at least two phases initially you

222

00:09:40,040 --> 00:09:37,440

know a year ago we thought the first

223

00:09:42,500 --> 00:09:40,050

phase would be classic crowdfunding with

224

00:09:44,780 --> 00:09:42,510

Kickstarter or IndieGoGo errs or the

225

00:09:47,389 --> 00:09:44,790

equivalent then we realized that was

226

00:09:50,540 --> 00:09:47,399

better to do this which is have a phase

227

00:09:53,630 --> 00:09:50,550

one where we have a website launch the

228

00:09:57,050 --> 00:09:53,640

project do interviews like this and seek

229

00:09:59,840 --> 00:09:57,060

out people who with great skills because

230

00:10:01,400 --> 00:09:59,850

even though we have some good people on

231

00:10:03,740 --> 00:10:01,410

the project in fact we have we have

232

00:10:05,660 --> 00:10:03,750

people like Massimo Tia Durrani from

233

00:10:08,329 --> 00:10:05,670

Italy or Lindstrand from hostile in

234

00:10:11,180 --> 00:10:08,339

Norway they all are very busy with

235

00:10:13,100 --> 00:10:11,190

projects that have been ongoing and they

236

00:10:14,750 --> 00:10:13,110

have you know they're going to support

237

00:10:17,960 --> 00:10:14,760

us with technical knowledge and all of

238

00:10:20,180 --> 00:10:17,970

that but we need people who have a

239

00:10:22,490 --> 00:10:20,190

little more time on their hands and a

240

00:10:26,300 --> 00:10:22,500

broader range of skills in various areas

241

00:10:28,490 --> 00:10:26,310

particularly software programming and so

242

00:10:31,190 --> 00:10:28,500

that actually is working out very well

243

00:10:32,690 --> 00:10:31,200

so we're going to be getting that talent

244

00:10:35,840 --> 00:10:32,700

amassed and working with them in phase

245

00:10:37,940 --> 00:10:35,850

one and also of course raising some

246

00:10:39,410 --> 00:10:37,950

money so we can start to buy some

247

00:10:42,319 --> 00:10:39,420

equipment and begin to work on a

248

00:10:45,740 --> 00:10:42,329

prototype now we have a basic idea of a

249

00:10:48,620 --> 00:10:45,750

station design with a magnetometer with

250

00:10:53,240 --> 00:10:48,630

probably six or eight all-sky cameras

251  
00:10:56,449 --> 00:10:53,250  
with spectrographs and and so forth but

252  
00:10:58,910 --> 00:10:56,459  
it hasn't been fleshed out because you

253  
00:11:01,160 --> 00:10:58,920  
know we just didn't have the team put

254  
00:11:02,490 --> 00:11:01,170  
together with the right resources to do

255  
00:11:04,470 --> 00:11:02,500  
that so we've constant

256  
00:11:08,910 --> 00:11:04,480  
on getting the structure of an

257  
00:11:11,190 --> 00:11:08,920  
organization that can use the resources

258  
00:11:15,360 --> 00:11:11,200  
I think they're going to come our way to

259  
00:11:17,840 --> 00:11:15,370  
create the station in phase one if we do

260  
00:11:21,060 --> 00:11:17,850  
that we have a prototype we then test it

261  
00:11:22,860 --> 00:11:21,070  
in every possible way including first in

262  
00:11:25,290 --> 00:11:22,870  
them in the laboratory equivalent and

263  
00:11:26,640 --> 00:11:25,300

that out in the field when that's

264

00:11:29,430 --> 00:11:26,650

successful and of course it will be

265

00:11:31,260 --> 00:11:29,440

because we're not trying to reinvent the

266

00:11:32,400 --> 00:11:31,270

wheel there it's just that it's a effort

267

00:11:34,020 --> 00:11:32,410

to do all of this but we're not

268

00:11:37,050 --> 00:11:34,030

developing new computer chips or

269

00:11:39,030 --> 00:11:37,060

something then we go to Phase two we

270

00:11:40,800 --> 00:11:39,040

have a proof-of-concept that we think

271

00:11:44,130 --> 00:11:40,810

will be attractive and convince the

272

00:11:46,430 --> 00:11:44,140

public that we can do this and so

273

00:11:48,990 --> 00:11:46,440

that'll be the true crowdfunding phase

274

00:11:50,550 --> 00:11:49,000

with the amount of money that we need to

275

00:11:53,640 --> 00:11:50,560

raise then to be determined of course by

276

00:11:56,160 --> 00:11:53,650

what happens at phase one and then if we

277

00:11:59,280 --> 00:11:56,170

are successful at raising sufficient

278

00:12:01,010 --> 00:11:59,290

funds we build more stations and we

279

00:12:05,550 --> 00:12:01,020

start putting them out in the field and

280

00:12:07,290 --> 00:12:05,560

start hopefully doing science now I know

281

00:12:10,170 --> 00:12:07,300

they say you know science is

282

00:12:11,940 --> 00:12:10,180

observational or you hear I have heard

283

00:12:15,090 --> 00:12:11,950

that term I don't know if that's if

284

00:12:17,910 --> 00:12:15,100

that's completely true or not but you

285

00:12:19,440 --> 00:12:17,920

will have someone like Michael when he

286

00:12:23,790 --> 00:12:19,450

comes on he's going to say you know I

287

00:12:26,250 --> 00:12:23,800

want a I want a piece of a UFO and just

288

00:12:28,500 --> 00:12:26,260

wonder what what you how you address

289

00:12:31,410 --> 00:12:28,510

that type of comment what would you say

290

00:12:33,120 --> 00:12:31,420

to someone that says that well when

291

00:12:36,390 --> 00:12:33,130

people have talked about wanting a piece

292

00:12:40,410 --> 00:12:36,400

of a UFO it's been in the context of the

293

00:12:42,080 --> 00:12:40,420

claim that UFO sightings are at least

294

00:12:45,630 --> 00:12:42,090

some of them are caused by

295

00:12:50,550 --> 00:12:45,640

extraterrestrials and you know at its

296

00:12:53,490 --> 00:12:50,560

core if you were trying to prove that I

297

00:12:58,320 --> 00:12:53,500

pathes having a quote-unquote piece of a

298

00:13:02,730 --> 00:12:58,330

UFO would be ideal but it really is true

299

00:13:04,170 --> 00:13:02,740

that we are trying to understand the UFO

300

00:13:06,960 --> 00:13:04,180

phenomena that's the best way to put it

301  
00:13:10,430 --> 00:13:06,970  
by gathering the kind of data that would

302  
00:13:12,900 --> 00:13:10,440  
help you understand it and that includes

303  
00:13:14,520 --> 00:13:12,910  
possibly parts of the phenomena that are

304  
00:13:16,020 --> 00:13:14,530  
not extraterrestrial and then of course

305  
00:13:19,910 --> 00:13:16,030  
my parts of

306  
00:13:23,220 --> 00:13:19,920  
that might be now do you need to have a

307  
00:13:25,770 --> 00:13:23,230  
piece of something to show that it is

308  
00:13:27,750 --> 00:13:25,780  
using strange physics or something

309  
00:13:30,090 --> 00:13:27,760  
unusual in the atmosphere and the answer

310  
00:13:32,250 --> 00:13:30,100  
of course is obviously not the

311  
00:13:34,110 --> 00:13:32,260  
measurements that you make will be

312  
00:13:36,480 --> 00:13:34,120  
enough to say that that whatever was

313  
00:13:40,070 --> 00:13:36,490

observed is interesting and unusual and

314

00:13:43,020 --> 00:13:40,080

not a plane not a satellite not whatever

315

00:13:44,550 --> 00:13:43,030

it's it's extremely unlikely that

316

00:13:46,050 --> 00:13:44,560

whatever we picked up would say well

317

00:13:48,630 --> 00:13:46,060

that's an alien spacecraft and you know

318

00:13:51,450 --> 00:13:48,640

there's here's its ID number but but

319

00:13:54,570 --> 00:13:51,460

what we are hoping to do is get the data

320

00:13:56,280 --> 00:13:54,580

that will let us move forward and find

321

00:13:59,460 --> 00:13:56,290

out whether in fact there's enough

322

00:14:01,950 --> 00:13:59,470

intriguing here to draw the attention of

323

00:14:05,210 --> 00:14:01,960

the broader scientific community and it

324

00:14:08,610 --> 00:14:05,220

seems to me that anybody who is

325

00:14:11,520 --> 00:14:08,620

committed to scientific inquiry would be

326

00:14:15,360 --> 00:14:11,530

willing to to be cite to say that that

327

00:14:17,730 --> 00:14:15,370

type of an effort is justified right one

328

00:14:20,670 --> 00:14:17,740

of the things you have actually heard

329

00:14:23,280 --> 00:14:20,680

from a scientist when I talked to him

330

00:14:26,100 --> 00:14:23,290

about the UFO problem or whatever you

331

00:14:30,390 --> 00:14:26,110

want to call it is that it

332

00:14:32,700 --> 00:14:30,400

they often someone involved in science

333

00:14:34,710 --> 00:14:32,710

wants to see something that's solvable

334

00:14:36,390 --> 00:14:34,720

within a certain amount of time or they

335

00:14:38,280 --> 00:14:36,400

they just don't want to invest in

336

00:14:41,220 --> 00:14:38,290

something unless they know it can be

337

00:14:45,120 --> 00:14:41,230

solved fairly quickly and that goes for

338

00:14:48,390 --> 00:14:45,130

funding and you know raising funds and

339

00:14:52,140 --> 00:14:48,400

all that you know we've been looking at

340

00:14:53,940 --> 00:14:52,150

this for a long time and you know we

341

00:14:58,110 --> 00:14:53,950

don't really seem all that much closer

342

00:15:00,090 --> 00:14:58,120

what we do seem closer on is the fact

343

00:15:03,450 --> 00:15:00,100

that you know we had Kepler out there

344

00:15:05,520 --> 00:15:03,460

and Kepler is seeing you know earth-like

345

00:15:07,350 --> 00:15:05,530

planets everything seems like it's

346

00:15:09,240 --> 00:15:07,360

heading in the direction that it's

347

00:15:11,730 --> 00:15:09,250

possible that there's extraterrestrial

348

00:15:14,850 --> 00:15:11,740

life and I think we're at a point where

349

00:15:17,130 --> 00:15:14,860

it's going if it is solved it's going to

350

00:15:21,810 --> 00:15:17,140

be much more acceptable than it would

351  
00:15:23,250 --> 00:15:21,820  
have been 20 years ago yeah yeah Leslie

352  
00:15:24,840 --> 00:15:23,260  
do you want to say anything

353  
00:15:26,580 --> 00:15:24,850  
Martin you mean if it's soft you mean

354  
00:15:29,850 --> 00:15:26,590  
the what do you mean by if it's off you

355  
00:15:32,490 --> 00:15:29,860  
mean the UFO question is all right

356  
00:15:34,920 --> 00:15:32,500  
we actually get data on it or we know we

357  
00:15:37,259 --> 00:15:34,930  
determine what it is or depends what you

358  
00:15:40,410 --> 00:15:37,269  
mean by salt yeah that's true you know

359  
00:15:42,150 --> 00:15:40,420  
getting data on it compared to salt is

360  
00:15:44,280 --> 00:15:42,160  
absolutely two different things you're

361  
00:15:46,199 --> 00:15:44,290  
right you know the old landing on the

362  
00:15:50,759 --> 00:15:46,209  
White House lawn and all that stuff as

363  
00:15:53,370 --> 00:15:50,769

they all say but I also wonder how much

364

00:15:55,710 --> 00:15:53,380

evidence or data would you possibly need

365

00:15:58,470 --> 00:15:55,720

that would convince you know the

366

00:16:00,210 --> 00:15:58,480

majority of the world that there is yeah

367

00:16:02,970 --> 00:16:00,220

I mean I think what Mark just said about

368

00:16:05,040 --> 00:16:02,980

you know the the reasoning behind what

369

00:16:07,259 --> 00:16:05,050

we're doing that it's not we're not out

370

00:16:08,819 --> 00:16:07,269

to prove something to prove some

371

00:16:10,800 --> 00:16:08,829

hypothesis we already have that there

372

00:16:12,930 --> 00:16:10,810

are extraterrestrial but if we can

373

00:16:15,329 --> 00:16:12,940

acquire enough data in different

374

00:16:17,639 --> 00:16:15,339

locations let's say let's say a lot of

375

00:16:21,030 --> 00:16:17,649

the data points to something similar and

376

00:16:22,560 --> 00:16:21,040

they're very peculiar and unusual things

377

00:16:24,630 --> 00:16:22,570

that we're picking up on because we have

378

00:16:26,370 --> 00:16:24,640

enough data to know a lot about them I

379

00:16:28,740 --> 00:16:26,380

mean I'm not a scientist so I'm talking

380

00:16:31,470 --> 00:16:28,750

not quite as articulately about it as

381

00:16:33,269 --> 00:16:31,480

mark can but the point is if you have

382

00:16:35,819 --> 00:16:33,279

repeatable data and it's showing

383

00:16:38,970 --> 00:16:35,829

something up there that's a true anomaly

384

00:16:41,699 --> 00:16:38,980

because it can't be explained hopefully

385

00:16:43,350 --> 00:16:41,709

then the broader scientific community

386

00:16:46,380 --> 00:16:43,360

will become interested in it and once

387

00:16:49,410 --> 00:16:46,390

there becomes an interest you know in a

388

00:16:52,350 --> 00:16:49,420

broad level and it becomes possibly part

389

00:16:54,420 --> 00:16:52,360

of the whole vigor scientific picture in

390

00:16:57,210 --> 00:16:54,430

terms of the effort that's being made to

391

00:16:59,310 --> 00:16:57,220

look for extraterrestrial intelligence

392

00:17:00,600 --> 00:16:59,320

or even not let's just say scientists

393

00:17:03,180 --> 00:17:00,610

physicists who are interested in finding

394

00:17:05,549 --> 00:17:03,190

out what the hell this stuff is then

395

00:17:08,460 --> 00:17:05,559

maybe over time but through a concerted

396

00:17:10,319 --> 00:17:08,470

effort in which big resources and lots

397

00:17:12,210 --> 00:17:10,329

of brainpower are put into trying to

398

00:17:14,819 --> 00:17:12,220

solve the mystery of what this data is

399

00:17:17,309 --> 00:17:14,829

showing maybe at that point we will be

400

00:17:18,809 --> 00:17:17,319

able to actually find out if there is a

401  
00:17:20,789 --> 00:17:18,819  
way to discover what these things

402  
00:17:23,069 --> 00:17:20,799  
actually are I think that's way down the

403  
00:17:24,990 --> 00:17:23,079  
road but if we can if we can do what

404  
00:17:27,329 --> 00:17:25,000  
mark we're hoping to do here which is

405  
00:17:30,000 --> 00:17:27,339  
just collect enough data that's actually

406  
00:17:31,830 --> 00:17:30,010  
useable by the scientific community way

407  
00:17:34,530 --> 00:17:31,840  
more than you know as he said we've just

408  
00:17:36,720 --> 00:17:34,540  
had a lot of reports in the past and a

409  
00:17:38,909 --> 00:17:36,730  
lot of maybe some photographs some radar

410  
00:17:40,350 --> 00:17:38,919  
tracings but this is taking it to a

411  
00:17:42,400 --> 00:17:40,360  
different level and I think you just

412  
00:17:45,190 --> 00:17:42,410  
have to take it one step at a time but

413  
00:17:47,230 --> 00:17:45,200

it has the potential in the future if it

414

00:17:49,120 --> 00:17:47,240

if it all goes the way we would like and

415

00:17:50,590 --> 00:17:49,130

it interests the scientific community

416

00:17:53,770 --> 00:17:50,600

that maybe we will actually get an

417

00:17:56,170 --> 00:17:53,780

answer to what this mystery is right I

418

00:17:59,380 --> 00:17:56,180

totally understand you're more along the

419

00:18:02,620 --> 00:17:59,390

lines of cultivating a science curiosity

420

00:18:04,510 --> 00:18:02,630

too I mean absolutely I mean I'm sort of

421

00:18:06,810 --> 00:18:04,520

baffled by you know and I'm sure that

422

00:18:08,860 --> 00:18:06,820

Michael and other people you know and

423

00:18:10,330 --> 00:18:08,870

reasonably enough I think will argue

424

00:18:12,730 --> 00:18:10,340

that there just isn't enough evidence

425

00:18:14,110 --> 00:18:12,740

for science to work with and that may be

426

00:18:15,790 --> 00:18:14,120

true I don't think I think there's

427

00:18:18,040 --> 00:18:15,800

enough evidence to establish that we

428

00:18:19,630 --> 00:18:18,050

have some kind of a mystery here and

429

00:18:21,790 --> 00:18:19,640

something that I would think would

430

00:18:24,370 --> 00:18:21,800

stimulate people's curiosity a lot more

431

00:18:26,260 --> 00:18:24,380

than it does but there's a taboo around

432

00:18:28,660 --> 00:18:26,270

the UFO subject and that's part of the

433

00:18:31,060 --> 00:18:28,670

problem it's not it's not you know

434

00:18:32,620 --> 00:18:31,070

considered people don't want to take it

435

00:18:33,940 --> 00:18:32,630

seriously because there's a risks

436

00:18:36,850 --> 00:18:33,950

involved in all kinds of other issues

437

00:18:38,980 --> 00:18:36,860

involved so that's another point of this

438

00:18:41,200 --> 00:18:38,990

project we might be able to help get

439

00:18:43,630 --> 00:18:41,210

beyond that taboo so that people feel

440

00:18:45,010 --> 00:18:43,640

safe and comfortable taking this a

441

00:18:46,080 --> 00:18:45,020

little more seriously than they have in

442

00:18:48,460 --> 00:18:46,090

the past

443

00:18:50,770 --> 00:18:48,470

that's exactly right we you know we have

444

00:18:54,940 --> 00:18:50,780

I think was it for silent advisors right

445

00:18:56,890 --> 00:18:54,950

now on the project who are most of them

446

00:18:58,960 --> 00:18:56,900

are faculty members at universities who

447

00:19:01,750 --> 00:18:58,970

are very enthusiastic about the project

448

00:19:03,520 --> 00:19:01,760

but will not let their name be used for

449

00:19:06,700 --> 00:19:03,530

the reasons that Leslie just stated I

450

00:19:09,340 --> 00:19:06,710

mean that's just a shame you know that

451  
00:19:13,890 --> 00:19:09,350  
that's the case and that they can't

452  
00:19:16,690 --> 00:19:13,900  
openly with us study this phenomena

453  
00:19:19,720 --> 00:19:16,700  
which you know to find out whatever it

454  
00:19:22,510 --> 00:19:19,730  
is that we'll find out because as you

455  
00:19:25,030 --> 00:19:22,520  
know we're not here despite our interest

456  
00:19:27,640 --> 00:19:25,040  
like the SETI folks in extraterrestrial

457  
00:19:29,890 --> 00:19:27,650  
intelligence we're willing to let the

458  
00:19:31,930 --> 00:19:29,900  
chips fall where they may and whatever

459  
00:19:35,770 --> 00:19:31,940  
data we find you know we're going to

460  
00:19:38,950 --> 00:19:35,780  
publish it and let everybody know what

461  
00:19:45,430 --> 00:19:38,960  
it is and you will see what we find now

462  
00:19:48,700 --> 00:19:45,440  
project has Dolan in Norway that as some

463  
00:19:51,550 --> 00:19:48,710

of what you're doing sort of on the

464

00:19:53,530 --> 00:19:51,560

wings of that I heard you mention it a

465

00:19:56,620 --> 00:19:53,540

minute ago yes it's in the same vein as

466

00:19:58,390 --> 00:19:56,630

Stalin probably many of you

467

00:20:03,870 --> 00:19:58,400

dunno of has talent but not everybody

468

00:20:06,130 --> 00:20:03,880

does so briefly in the late 1970s the

469

00:20:09,700 --> 00:20:06,140

people who lived in a fairly isolated

470

00:20:11,080 --> 00:20:09,710

value of F Valley in south-central

471

00:20:13,660 --> 00:20:11,090

Norway

472

00:20:17,680 --> 00:20:13,670

saw strange lights and other phenomena

473

00:20:19,630 --> 00:20:17,690

and there were often enough that the

474

00:20:21,250 --> 00:20:19,640

Norwegian UFO investigators said you

475

00:20:23,440 --> 00:20:21,260

know we can do something here we can

476  
00:20:25,840 --> 00:20:23,450  
actually go there and have an expedition

477  
00:20:27,580 --> 00:20:25,850  
and try to photograph and and see it

478  
00:20:29,740 --> 00:20:27,590  
ourselves not just interview the the

479  
00:20:32,470 --> 00:20:29,750  
witnesses and they did that in the early

480  
00:20:33,850 --> 00:20:32,480  
1980s dr. Hynek from our group went

481  
00:20:35,410 --> 00:20:33,860  
there and had a famous incident where

482  
00:20:36,940 --> 00:20:35,420  
they got their car broke down in the

483  
00:20:41,350 --> 00:20:36,950  
snow in the middle of the winter we

484  
00:20:44,410 --> 00:20:41,360  
always laughed about and the they were

485  
00:20:47,410 --> 00:20:44,420  
able to take indeed photos and make

486  
00:20:50,230 --> 00:20:47,420  
measurements about it and after there

487  
00:20:52,450 --> 00:20:50,240  
was a gap in the phenomenon in the 80s

488  
00:20:55,000 --> 00:20:52,460

late 80s and in the early 90s it

489

00:20:56,860 --> 00:20:55,010

reappeared they got more funding they've

490

00:20:59,620 --> 00:20:56,870

worked with a show business and

491

00:21:02,640 --> 00:20:59,630

physicist from Italy recently and also a

492

00:21:06,070 --> 00:21:02,650

group from France an early strand

493

00:21:09,160 --> 00:21:06,080

Norwegian has led this effort there is a

494

00:21:11,800 --> 00:21:09,170

a something they call the blue box there

495

00:21:14,740 --> 00:21:11,810

which has a camera recording images

496

00:21:19,210 --> 00:21:14,750

continuously and a few other devices and

497

00:21:22,930 --> 00:21:19,220

they have gotten a spectra or - a

498

00:21:26,470 --> 00:21:22,940

spectrum or - of a UFO and they have

499

00:21:29,140 --> 00:21:26,480

also made some measurements about 9

500

00:21:31,000 --> 00:21:29,150

attic fields that you know fluctuated in

501  
00:21:33,730 --> 00:21:31,010  
the presence of actual visual sighting

502  
00:21:36,490 --> 00:21:33,740  
so several papers have been published by

503  
00:21:40,360 --> 00:21:36,500  
a number of people including Massimo

504  
00:21:44,550 --> 00:21:40,370  
from our own project so what is seen

505  
00:21:48,820 --> 00:21:44,560  
there appears to be some type of odd

506  
00:21:53,230 --> 00:21:48,830  
plasma phenomena not extraterrestrial

507  
00:21:54,550 --> 00:21:53,240  
but still very mysterious you know could

508  
00:21:59,080 --> 00:21:54,560  
lead to some very interesting new

509  
00:22:00,970 --> 00:21:59,090  
physics and the scientific humidity is

510  
00:22:02,740 --> 00:22:00,980  
pretty much kind of ho-hum about it

511  
00:22:06,220 --> 00:22:02,750  
people have been able to publish in a

512  
00:22:07,660 --> 00:22:06,230  
few places but it's treated as kind of

513  
00:22:08,980 --> 00:22:07,670

an I think just this little thing

514

00:22:09,789 --> 00:22:08,990

sitting off in a corner a little bit

515

00:22:12,249 --> 00:22:09,799

like earth light

516

00:22:14,830 --> 00:22:12,259

earthquake lights used to be until

517

00:22:16,930 --> 00:22:14,840

finally they were established as a true

518

00:22:18,759 --> 00:22:16,940

phenomena that is not completely

519

00:22:21,850 --> 00:22:18,769

understood yet but does occur during

520

00:22:23,259 --> 00:22:21,860

earthquakes so so anyway so that's my

521

00:22:24,789 --> 00:22:23,269

quick I guess that wasn't too quick

522

00:22:27,669 --> 00:22:24,799

summary of Hess Talent

523

00:22:28,989 --> 00:22:27,679

yes you know it that that whole thing

524

00:22:30,100 --> 00:22:28,999

kind of reminds me also of a Brown

525

00:22:31,930 --> 00:22:30,110

Mountain I don't know if you've ever

526

00:22:34,570 --> 00:22:31,940

heard of that there's a lot of a rash of

527

00:22:37,090 --> 00:22:34,580

sightings there constantly lights in the

528

00:22:39,639 --> 00:22:37,100

sky but not always there's sometimes

529

00:22:42,970 --> 00:22:39,649

more than that involved and you know

530

00:22:45,279 --> 00:22:42,980

there's a high concentration of copper

531

00:22:47,440 --> 00:22:45,289

in those mountains and you never know it

532

00:22:49,180 --> 00:22:47,450

could be just some type of natural

533

00:22:52,299 --> 00:22:49,190

phenomenon like you just mentioned right

534

00:22:55,330 --> 00:22:52,309

now on the other hand in the early 1970s

535

00:22:57,220 --> 00:22:55,340

in southeast Missouri a professor of

536

00:23:00,729 --> 00:22:57,230

physics and astronomy named Harley

537

00:23:03,310 --> 00:23:00,739

Rutledge and his students went out into

538

00:23:05,649 --> 00:23:03,320

the field without stations like we want

539

00:23:07,210 --> 00:23:05,659

to build but with cameras and so forth

540

00:23:09,369 --> 00:23:07,220

that they just carry with them you know

541

00:23:12,549 --> 00:23:09,379

each night and they were able to

542

00:23:15,220 --> 00:23:12,559

photograph and measure some details

543

00:23:18,159 --> 00:23:15,230

about the anomalous light phenomena that

544

00:23:21,340 --> 00:23:18,169

was occurring there because it also was

545

00:23:24,849 --> 00:23:21,350

occurring very regularly in in this

546

00:23:26,590 --> 00:23:24,859

period in 1973 particularly there was a

547

00:23:29,139 --> 00:23:26,600

large flap of UFO sightings in the

548

00:23:31,299 --> 00:23:29,149

United States and it was kind of a part

549

00:23:34,710 --> 00:23:31,309

of that not exactly he wrote a book

550

00:23:37,359 --> 00:23:34,720

about it called project identification

551  
00:23:40,029 --> 00:23:37,369  
absolutely they saw and measured

552  
00:23:42,609 --> 00:23:40,039  
something the the reason I bring it up

553  
00:23:44,049 --> 00:23:42,619  
is not that it it it shows again that

554  
00:23:46,690 --> 00:23:44,059  
it's possible to go out in the field and

555  
00:23:48,220 --> 00:23:46,700  
do this and they didn't have any money

556  
00:23:50,109 --> 00:23:48,230  
and funds and they did and they did a

557  
00:23:54,310 --> 00:23:50,119  
great job for what they what they had at

558  
00:23:57,549 --> 00:23:54,320  
the time but it they thought that at

559  
00:24:01,629 --> 00:23:57,559  
times the phenomena seemed to be

560  
00:24:04,599 --> 00:24:01,639  
reacting to them you know I wasn't there

561  
00:24:07,840 --> 00:24:04,609  
I'm on all I can do is report what what

562  
00:24:09,580 --> 00:24:07,850  
Rutledge and his students said but you

563  
00:24:12,039 --> 00:24:09,590

know that would be an example of you

564

00:24:15,099 --> 00:24:12,049

know was there some intelligence behind

565

00:24:18,039 --> 00:24:15,109

it that was aware of the fact that it

566

00:24:20,379 --> 00:24:18,049

was being observed and then reacted and

567

00:24:22,570 --> 00:24:20,389

on some basis of that that gets back to

568

00:24:23,470 --> 00:24:22,580

this idea of local SETI if I can just

569

00:24:27,520 --> 00:24:23,480

add one more thing

570

00:24:29,500 --> 00:24:27,530

is that it's not crazy to look for

571

00:24:31,900 --> 00:24:29,510

evidence of extraterrestrial life in the

572

00:24:34,810 --> 00:24:31,910

solar system in fact quote unquote

573

00:24:36,820 --> 00:24:34,820

you know the mainstream scientists have

574

00:24:38,530 --> 00:24:36,830

written papers about that and talked

575

00:24:40,900 --> 00:24:38,540

about it usually in the context of

576

00:24:44,710 --> 00:24:40,910

extraterrestrial probes but Paul Davies

577

00:24:46,480 --> 00:24:44,720

is a very well-respected a scientist has

578

00:24:48,850 --> 00:24:46,490

talked about looking on a moon for

579

00:24:51,970 --> 00:24:48,860

extraterrestrial artifacts so the moon's

580

00:24:53,980 --> 00:24:51,980

fairly close to Earth I've heard and we

581

00:24:57,250 --> 00:24:53,990

don't see any reason why we can't just

582

00:24:58,690 --> 00:24:57,260

take that extra step and you know and

583

00:25:04,300 --> 00:24:58,700

look right here in the Earth's

584

00:25:07,210 --> 00:25:04,310

atmosphere for things that's right I you

585

00:25:10,630 --> 00:25:07,220

know I I'm sure you at least you know

586

00:25:14,080 --> 00:25:10,640

Leslie I had Seth Shostak on you know

587

00:25:18,010 --> 00:25:14,090

talking about SETI and the radio signals

588

00:25:21,010 --> 00:25:18,020

and all that and he was he's totally

589

00:25:23,890 --> 00:25:21,020

well at least his strong opinion is that

590

00:25:27,100 --> 00:25:23,900

we never have you know been visited any

591

00:25:28,390 --> 00:25:27,110

time in the past and you know I'm sure

592

00:25:30,460 --> 00:25:28,400

that's probably what we'll be talking

593

00:25:34,840 --> 00:25:30,470

about a little bit later tonight with

594

00:25:37,030 --> 00:25:34,850

Michael but myself you know I don't ever

595

00:25:39,730 --> 00:25:37,040

claim that I have the answer for what it

596

00:25:43,120 --> 00:25:39,740

is but I know that something is showing

597

00:25:47,380 --> 00:25:43,130

up here but I don't want to point the

598

00:25:49,660 --> 00:25:47,390

finger at extraterrestrial just yet yeah

599

00:25:51,160 --> 00:25:49,670

well I mean I think I think it's

600

00:25:54,460 --> 00:25:51,170

important to maintain what we call the

601  
00:25:57,430 --> 00:25:54,470  
agnostic position and I much I'm an

602  
00:25:58,810 --> 00:25:57,440  
adherent of that I think we have to

603  
00:26:02,410 --> 00:25:58,820  
acknowledge that there are some

604  
00:26:03,850 --> 00:26:02,420  
interesting UFO cases and what I tried

605  
00:26:06,550 --> 00:26:03,860  
to do in my book was just bring together

606  
00:26:09,610 --> 00:26:06,560  
the absolute best most well-documented

607  
00:26:12,250 --> 00:26:09,620  
cases from the most official sources and

608  
00:26:14,560 --> 00:26:12,260  
I think there are enough of those that

609  
00:26:17,020 --> 00:26:14,570  
it's very hard to just explain all of

610  
00:26:18,910 --> 00:26:17,030  
them away it doesn't mean that we're

611  
00:26:21,700 --> 00:26:18,920  
being visited by extraterrestrials

612  
00:26:23,800 --> 00:26:21,710  
though I mean my understanding of Seth

613  
00:26:25,690 --> 00:26:23,810

Shaw stacks major objection is the fact

614

00:26:28,330 --> 00:26:25,700

that there just isn't enough evidence of

615

00:26:30,760 --> 00:26:28,340

substance to allow there to be the kind

616

00:26:32,650 --> 00:26:30,770

of study that science needs to be able

617

00:26:36,490 --> 00:26:32,660

to make on something and I kind of

618

00:26:39,400 --> 00:26:36,500

respect that but to say that

619

00:26:41,110 --> 00:26:39,410

you know that you can just dismiss every

620

00:26:43,570 --> 00:26:41,120

single report in every single

621

00:26:44,470 --> 00:26:43,580

well-documented case and just explain it

622

00:26:46,960 --> 00:26:44,480

in some way

623

00:26:49,570 --> 00:26:46,970

I don't think holds water I think we

624

00:26:52,480 --> 00:26:49,580

have a mystery here we have evidence and

625

00:26:54,010 --> 00:26:52,490

we have a real phenomenon and the

626

00:26:57,310 --> 00:26:54,020

question is to try to learn more about

627

00:26:58,900 --> 00:26:57,320

it and that's why we need to to have a

628

00:27:01,660 --> 00:26:58,910

project like this when we're not getting

629

00:27:02,890 --> 00:27:01,670

government support we can't get you know

630

00:27:04,780 --> 00:27:02,900

the scientists who are interested in

631

00:27:06,520 --> 00:27:04,790

this cannot get grants to support it

632

00:27:08,830 --> 00:27:06,530

because of the taboo and because our own

633

00:27:10,450 --> 00:27:08,840

government doesn't isn't willing to

634

00:27:12,670 --> 00:27:10,460

acknowledge that there's even anything

635

00:27:15,280 --> 00:27:12,680

of worth studying here which is

636

00:27:17,860 --> 00:27:15,290

basically positioned that Seth and other

637

00:27:19,450 --> 00:27:17,870

scientists take so we've just decided

638

00:27:21,280 --> 00:27:19,460

we're going to try to find get some data

639

00:27:24,040 --> 00:27:21,290

I mean we have no other choice

640

00:27:26,110 --> 00:27:24,050

and if we want to learn more about what

641

00:27:28,630 --> 00:27:26,120

this thing is we've got to try to get

642

00:27:30,700 --> 00:27:28,640

more information on it now you mentioned

643

00:27:34,120 --> 00:27:30,710

someone I believe you said someone in

644

00:27:38,280 --> 00:27:34,130

Italy also I saw our good friend Jose

645

00:27:44,290 --> 00:27:38,290

Lai is also involved with this project

646

00:27:47,350 --> 00:27:44,300

and will this be will we be getting you

647

00:27:49,750 --> 00:27:47,360

know participants on UFO data from

648

00:27:51,730 --> 00:27:49,760

different countries do you believe no

649

00:27:53,800 --> 00:27:51,740

absolutely you know we have team members

650

00:27:55,720 --> 00:27:53,810

as you just said from from from several

651  
00:27:58,470 --> 00:27:55,730  
countries we've had people volunteering

652  
00:28:02,050 --> 00:27:58,480  
already from more than several countries

653  
00:28:04,360 --> 00:28:02,060  
and we would expect that the station's

654  
00:28:07,300 --> 00:28:04,370  
eventually would be placed not just in

655  
00:28:09,610 --> 00:28:07,310  
the US but in other places that

656  
00:28:12,520 --> 00:28:09,620  
logistics maybe get a little complicated

657  
00:28:14,680 --> 00:28:12,530  
of course but but absolutely the UFO

658  
00:28:19,000 --> 00:28:14,690  
phenomenon is worldwide the study should

659  
00:28:22,450 --> 00:28:19,010  
be worldwide that's right and I really

660  
00:28:24,610 --> 00:28:22,460  
respect you know Chile's position on

661  
00:28:26,560 --> 00:28:24,620  
UFOs taking the you know taking the

662  
00:28:28,360 --> 00:28:26,570  
subject seriously and getting all

663  
00:28:31,210 --> 00:28:28,370

aspects of their government involved

664

00:28:33,130 --> 00:28:31,220

which is really something that I would

665

00:28:34,920 --> 00:28:33,140

like to see other countries fall in

666

00:28:37,290 --> 00:28:34,930

place and do the same thing would be

667

00:28:40,000 --> 00:28:37,300

would really get somewhere I think I

668

00:28:41,650 --> 00:28:40,010

think it would help a lot and I as you

669

00:28:43,660 --> 00:28:41,660

know Martin I've spent a lot of time in

670

00:28:45,220 --> 00:28:43,670

Chile and I've I've worked with the

671

00:28:45,730 --> 00:28:45,230

government agency they're called the

672

00:28:49,049 --> 00:28:45,740

sefa

673

00:28:51,419 --> 00:28:49,059

which is a great operation and as

674

00:28:53,220 --> 00:28:51,429

said they're the government they're just

675

00:28:55,049 --> 00:28:53,230

throughout all the different agencies

676

00:28:57,840 --> 00:28:55,059

different departments of military and

677

00:29:00,570 --> 00:28:57,850

aviation recognize that this is a

678

00:29:02,999 --> 00:29:00,580

legitimate issue and they have a system

679

00:29:05,460 --> 00:29:03,009

in place so that cases get reported when

680

00:29:06,960 --> 00:29:05,470

pilots mainly through pilots and they

681

00:29:09,629 --> 00:29:06,970

study them and they have scientific

682

00:29:11,970 --> 00:29:09,639

teams that work with the Sephiroth on a

683

00:29:14,460 --> 00:29:11,980

volunteer basis and and do lots of good

684

00:29:17,070 --> 00:29:14,470

work so they don't have this kind of

685

00:29:18,749 --> 00:29:17,080

stigma in Chile that we have here and I

686

00:29:21,239 --> 00:29:18,759

I do agree with you that this is

687

00:29:23,609 --> 00:29:21,249

something that you know I hope will

688

00:29:26,639 --> 00:29:23,619

change in the United States and I think

689

00:29:28,230 --> 00:29:26,649

Chile can be a model for how I would

690

00:29:30,119 --> 00:29:28,240

think that the rest of the world should

691

00:29:32,609 --> 00:29:30,129

approach this it's really just being

692

00:29:35,850 --> 00:29:32,619

willing to study it when things occur

693

00:29:39,029 --> 00:29:35,860

and not to just write it off and not to

694

00:29:41,070 --> 00:29:39,039

make the witnesses feel that there must

695

00:29:42,869 --> 00:29:41,080

be something wrong with them for seeing

696

00:29:46,019 --> 00:29:42,879

something that they saw you know it's

697

00:29:47,549 --> 00:29:46,029

partly is that I mean I've spoken to so

698

00:29:51,529 --> 00:29:47,559

many witnesses over the years and I know

699

00:29:53,879 --> 00:29:51,539

mark has to and they're patriotic

700

00:29:55,259 --> 00:29:53,889

Americans they're military people and

701  
00:29:57,029 --> 00:29:55,269  
when something like this happens and

702  
00:29:58,889 --> 00:29:57,039  
they're not taken seriously it can be

703  
00:30:01,230 --> 00:29:58,899  
very damaging to them and on many levels

704  
00:30:06,389 --> 00:30:01,240  
and it's just not the right thing to do

705  
00:30:08,970 --> 00:30:06,399  
right also in the UFO field we've had

706  
00:30:11,159 --> 00:30:08,980  
some bumbles here and there and which

707  
00:30:15,419 --> 00:30:11,169  
you know there was of course the

708  
00:30:17,100 --> 00:30:15,429  
Robertson panel back in 1953 kind of put

709  
00:30:19,109 --> 00:30:17,110  
out there too there was too many UFO

710  
00:30:20,940 --> 00:30:19,119  
reports coming in we have to do

711  
00:30:22,980 --> 00:30:20,950  
something about it well you know let's

712  
00:30:26,159 --> 00:30:22,990  
ridicule let's diminish it in different

713  
00:30:30,869 --> 00:30:26,169

ways so there's always that stigma like

714

00:30:33,869 --> 00:30:30,879

you spoke about earlier but mmm I lost

715

00:30:39,359 --> 00:30:33,879

my thread where he's going with this but

716

00:30:42,269 --> 00:30:39,369

anyway it's a it's oh I know what I was

717

00:30:44,460 --> 00:30:42,279

saying it the the fact is that you know

718

00:30:47,009 --> 00:30:44,470

when things go wrong in the UFO field

719

00:30:49,649 --> 00:30:47,019

like they do and someone will come out

720

00:30:51,659 --> 00:30:49,659

with something that's a little too far

721

00:30:53,070 --> 00:30:51,669

out there and not really do the research

722

00:30:55,109 --> 00:30:53,080

and everything and Leslie I've always

723

00:30:56,970 --> 00:30:55,119

noticed you don't call yourself you

724

00:30:59,700 --> 00:30:56,980

follow just you're a journalist but

725

00:31:01,740 --> 00:30:59,710

you're very very careful and I think the

726

00:31:02,880 --> 00:31:01,750

only thing that I can say is you you

727

00:31:04,830 --> 00:31:02,890

know and it sounds like

728

00:31:07,110 --> 00:31:04,840

mark you seem very similar and it sounds

729

00:31:10,380 --> 00:31:07,120

like the type of person to set an

730

00:31:11,910 --> 00:31:10,390

example more than anything else and I'm

731

00:31:15,410 --> 00:31:11,920

just saying that because I do appreciate

732

00:31:18,000 --> 00:31:15,420

the fact that you are cautious I

733

00:31:20,490 --> 00:31:18,010

appreciate that the you know at the

734

00:31:24,810 --> 00:31:20,500

center we've tried to follow in the

735

00:31:25,410 --> 00:31:24,820

footsteps and the examples set by J

736

00:31:29,000 --> 00:31:25,420

Allen Hynek

737

00:31:31,470 --> 00:31:29,010

our our founder and of course the

738

00:31:35,160 --> 00:31:31,480

principal scientific adviser to the Air

739

00:31:38,130 --> 00:31:35,170

Force's Project Blue Book but Allen

740

00:31:40,560 --> 00:31:38,140

wanted the center to be a typical

741

00:31:44,120 --> 00:31:40,570

scientific organization more of a think

742

00:31:46,200 --> 00:31:44,130

tank than a investigative organization

743

00:31:48,170 --> 00:31:46,210

with with you know thousand

744

00:31:50,640 --> 00:31:48,180

investigators around the country and

745

00:31:52,770 --> 00:31:50,650

within the limits of you know what we

746

00:31:55,890 --> 00:31:52,780

had for resources and personnel we've at

747

00:31:58,800 --> 00:31:55,900

least I think stayed faithful to that in

748

00:32:00,780 --> 00:31:58,810

spirit and our execution even though

749

00:32:04,190 --> 00:32:00,790

we've never been able to to accomplish

750

00:32:09,270 --> 00:32:07,410

I think the key Martin is to just you

751  
00:32:13,170 --> 00:32:09,280  
know one cannot assume that we know what

752  
00:32:15,360 --> 00:32:13,180  
UFOs are you know there's some kind of

753  
00:32:18,150 --> 00:32:15,370  
mysterious phenomenon there unexplained

754  
00:32:20,820 --> 00:32:18,160  
objects in the sky and I think so much

755  
00:32:22,410 --> 00:32:20,830  
of the problem that we have when with

756  
00:32:23,940 --> 00:32:22,420  
issues that you just described where

757  
00:32:26,060 --> 00:32:23,950  
where these things will come out of the

758  
00:32:28,710 --> 00:32:26,070  
UFO community that seem really kind of

759  
00:32:31,890 --> 00:32:28,720  
overblown and not research and so on is

760  
00:32:33,630 --> 00:32:31,900  
so much because people are assuming that

761  
00:32:35,820 --> 00:32:33,640  
we haven't that these are

762  
00:32:37,830 --> 00:32:35,830  
extraterrestrial without enough data to

763  
00:32:41,220 --> 00:32:37,840

back that up and they get so carried

764

00:32:42,420 --> 00:32:41,230

away with the desire to prove that and

765

00:32:44,280 --> 00:32:42,430

so they just kind of lose their

766

00:32:45,840 --> 00:32:44,290

rationality but I think it's important

767

00:32:48,300 --> 00:32:45,850

that people step back from that and

768

00:32:50,370 --> 00:32:48,310

realize we don't have proof of that and

769

00:32:53,160 --> 00:32:50,380

we don't know what they are and I think

770

00:32:54,720 --> 00:32:53,170

that's when you say caution I don't know

771

00:32:56,940 --> 00:32:54,730

if it's caution as much as it is just

772

00:32:59,940 --> 00:32:56,950

being rational about what we know what

773

00:33:03,960 --> 00:32:59,950

we don't know right there are so many

774

00:33:06,630 --> 00:33:03,970

times that someone has already a little

775

00:33:08,610 --> 00:33:06,640

say they've written a book and knew it

776

00:33:10,950 --> 00:33:08,620

you know something new comes along like

777

00:33:12,900 --> 00:33:10,960

I don't know if you heard it seems like

778

00:33:16,780 --> 00:33:12,910

Kecksburg might be explained as a

779

00:33:19,780 --> 00:33:16,790

military you know craft or something

780

00:33:21,490 --> 00:33:19,790

that that news is just breaking recently

781

00:33:22,780 --> 00:33:21,500

so whether that's true or not I'm not

782

00:33:25,510 --> 00:33:22,790

really sure I haven't really looked into

783

00:33:28,170 --> 00:33:25,520

it but the fact of the matter is there's

784

00:33:32,170 --> 00:33:28,180

people who've written books on like

785

00:33:34,180 --> 00:33:32,180

other situations new evidence comes

786

00:33:36,310 --> 00:33:34,190

forward and they still stick to their

787

00:33:37,870 --> 00:33:36,320

guns because it's there I don't want to

788

00:33:39,610 --> 00:33:37,880

say cash cow because nobody makes a lot

789

00:33:41,140 --> 00:33:39,620  
of money in this field but they're

790

00:33:43,540 --> 00:33:41,150  
they're sticking to their guns and

791

00:33:47,010 --> 00:33:43,550  
unfortunately that's not science you

792

00:33:49,810 --> 00:33:47,020  
know science has to be open to whatever

793

00:33:52,090 --> 00:33:49,820  
comes along as far as evidence goes and

794

00:33:55,660 --> 00:33:52,100  
I think the UFO field could really use a

795

00:33:58,330 --> 00:33:55,670  
little more of that yeah I mean

796

00:34:02,200 --> 00:33:58,340  
sometimes the cases they get the most

797

00:34:04,750 --> 00:34:02,210  
publicity Rendlesham and you know of

798

00:34:07,300 --> 00:34:04,760  
course you just mentioned that one the

799

00:34:10,240 --> 00:34:07,310  
they're not really the strongest cases

800

00:34:14,500 --> 00:34:10,250  
then they're not the most evidential and

801  
00:34:18,400 --> 00:34:14,510  
cases that are you know litter the files

802  
00:34:20,470 --> 00:34:18,410  
basically of all types whether physical

803  
00:34:21,820 --> 00:34:20,480  
traces and vehicle interference like you

804  
00:34:25,150 --> 00:34:21,830  
mentioned an introduction that I've been

805  
00:34:28,300 --> 00:34:25,160  
interested in there are quite intriguing

806  
00:34:30,490 --> 00:34:28,310  
cases there that you know people just

807  
00:34:33,640 --> 00:34:30,500  
don't know much about which by the way

808  
00:34:35,620 --> 00:34:33,650  
was true when we presented data to the

809  
00:34:38,700 --> 00:34:35,630  
scientific panel back in the 90s that

810  
00:34:41,290 --> 00:34:38,710  
Peter Sturrock put together while the

811  
00:34:44,919 --> 00:34:41,300  
scientists that we talked to certainly

812  
00:34:46,600 --> 00:34:44,929  
were not convinced that you know that

813  
00:34:48,909 --> 00:34:46,610

things were extraterrestrial all that

814

00:34:52,000 --> 00:34:48,919

they were intrigued enough not to reject

815

00:34:53,770 --> 00:34:52,010

the phenomena out of hand and and in

816

00:34:56,260 --> 00:34:53,780

fact said that it that it was worthy of

817

00:34:59,860 --> 00:34:56,270

some investigation if not you know

818

00:35:01,450 --> 00:34:59,870

government funding mm-hmm I want to just

819

00:35:03,370 --> 00:35:01,460

talk real quickly we only have a few

820

00:35:05,500 --> 00:35:03,380

minutes left here about J Allen Hynek

821

00:35:08,490 --> 00:35:05,510

you know Harry is working for the

822

00:35:12,130 --> 00:35:08,500

government as chief astronomer scientist

823

00:35:13,780 --> 00:35:12,140

for a project Bluebook do you know if he

824

00:35:17,620 --> 00:35:13,790

the one thing that I've always been

825

00:35:19,570 --> 00:35:17,630

curious about did he kind of come over

826

00:35:23,380 --> 00:35:19,580

to the other side of there's really

827

00:35:26,800 --> 00:35:23,390

something to this on in an instant or

828

00:35:30,150 --> 00:35:26,810

was this a slow and gradual extremely

829

00:35:33,020 --> 00:35:30,160

slow and extremely gradual mm-hmm he

830

00:35:36,210 --> 00:35:33,030

the first Inklings of the fact that

831

00:35:41,760 --> 00:35:36,220

things were not easy to explain always

832

00:35:43,230 --> 00:35:41,770

in the early 1950s and gave a paper a

833

00:35:46,890 --> 00:35:43,240

talk and then a paper in the optical

834

00:35:49,770 --> 00:35:46,900

Society of America journal about lights

835

00:35:52,339 --> 00:35:49,780

he kept it very much at the level of

836

00:35:56,609 --> 00:35:52,349

just lights that were hard to explain

837

00:35:59,430 --> 00:35:56,619

and that as time went on he you know

838

00:36:01,319 --> 00:35:59,440

waffled back and forth he was and he

839

00:36:03,299 --> 00:36:01,329

wasn't the most decisive guy but he was

840

00:36:05,910 --> 00:36:03,309

incredibly curious guide and an

841

00:36:08,220 --> 00:36:05,920

extremely scientifically honest guy and

842

00:36:11,819 --> 00:36:08,230

so as time went on tickly into the

843

00:36:14,190 --> 00:36:11,829

sixties he just said you know there are

844

00:36:15,960 --> 00:36:14,200

obviously unexplained things the Air

845

00:36:19,529 --> 00:36:15,970

Force is clearly not seriously

846

00:36:21,480 --> 00:36:19,539

investigating this and so you know it's

847

00:36:23,370 --> 00:36:21,490

better be me that nobody else is

848

00:36:28,349 --> 00:36:23,380

stepping up to the plate so I am going

849

00:36:29,430 --> 00:36:28,359

to start speaking out about it now we

850

00:36:32,670 --> 00:36:29,440

only had like I say we only have a

851  
00:36:34,650 --> 00:36:32,680  
couple minutes left do you want to put

852  
00:36:39,930 --> 00:36:34,660  
out there how people might be able to

853  
00:36:43,589 --> 00:36:39,940  
help out with UFO data well the first of

854  
00:36:48,210 --> 00:36:43,599  
all the website UFO Datanet very very

855  
00:36:49,559 --> 00:36:48,220  
easy to remember and people can go there

856  
00:36:51,359 --> 00:36:49,569  
and read about what we're doing that's

857  
00:36:54,690 --> 00:36:51,369  
the first thing familiarize yourself

858  
00:36:56,450 --> 00:36:54,700  
with our plans send us any questions you

859  
00:36:59,309 --> 00:36:56,460  
have there's an email address for that

860  
00:37:01,170 --> 00:36:59,319  
if you have technical skills we've

861  
00:37:02,910 --> 00:37:01,180  
listed them on the volunteer page or

862  
00:37:06,269 --> 00:37:02,920  
other types of things we're looking for

863  
00:37:09,329 --> 00:37:06,279

please feel free to volunteer and we

864

00:37:11,279 --> 00:37:09,339

wouldn't mind getting a donation from

865

00:37:14,010 --> 00:37:11,289

people who are who think that our idea

866

00:37:17,370 --> 00:37:14,020

is worth supporting right now Leslie

867

00:37:19,890 --> 00:37:17,380

quickly you wrote that article in The

868

00:37:22,890 --> 00:37:19,900

Huffington Post and now it's starting to

869

00:37:24,900 --> 00:37:22,900

snowball a little bit well I'm glad to

870

00:37:26,549 --> 00:37:24,910

hear that I mean I'm glad you're calling

871

00:37:28,440 --> 00:37:26,559

it a snowball he has a there there was a

872

00:37:31,710 --> 00:37:28,450

story and Mother Jones which was really

873

00:37:33,329 --> 00:37:31,720

great and Billy Cox did a piece this

874

00:37:34,829 --> 00:37:33,339

week which I also thought was excellent

875

00:37:37,049 --> 00:37:34,839

and I'm just happy that we're getting

876

00:37:38,700 --> 00:37:37,059

serious coverage hang on just a second

877

00:37:41,670 --> 00:37:38,710

we have a couple and we still have a

878

00:37:43,859 --> 00:37:41,680

little time here okay hello caller

879

00:37:46,890 --> 00:37:43,869

please say your first name and

880

00:37:47,700 --> 00:37:46,900

was a question if you would they're

881

00:37:51,539 --> 00:37:47,710

wrong

882

00:37:52,200 --> 00:37:51,549

what's your name caller 19 he was been

883

00:37:56,460 --> 00:37:52,210

lost

884

00:37:59,730 --> 00:37:56,470

Oh Ben how are you Ben good good looking

885

00:38:03,359 --> 00:37:59,740

to the show and one of the see is this

886

00:38:05,519 --> 00:38:03,369

recording or you're on the air live

887

00:38:09,089 --> 00:38:05,529

right now okay

888

00:38:13,799 --> 00:38:09,099

yes just had a question about for Leslie

889

00:38:17,099 --> 00:38:13,809

about you know the fact that Ray has the

890

00:38:19,440 --> 00:38:17,109

magnetometer and film evidence sitting

891

00:38:21,150 --> 00:38:19,450

at his house and I guess who's been

892

00:38:23,309 --> 00:38:21,160

invited out there and wondering if she

893

00:38:24,599 --> 00:38:23,319

was going to go out there and and take a

894

00:38:26,190 --> 00:38:24,609

look at that evidence that they're

895

00:38:30,390 --> 00:38:26,200

trying to work on now that already

896

00:38:35,069 --> 00:38:30,400

exists I'm I'm not sure what the call is

897

00:38:38,400 --> 00:38:35,079

referring to all right ray Stanford okay

898

00:38:40,769 --> 00:38:38,410

are you familiar with with him yeah I

899

00:38:43,799 --> 00:38:40,779

don't I don't know what evidence or what

900

00:38:47,489 --> 00:38:43,809

situation he's referring to though he's

901  
00:38:49,680 --> 00:38:47,499  
got magnetometer reading some of the and

902  
00:38:52,319 --> 00:38:49,690  
several data points of the same objects

903  
00:38:53,940 --> 00:38:52,329  
I think he might have invited you have

904  
00:38:55,979 --> 00:38:53,950  
to look at those I've seen the image

905  
00:38:59,640 --> 00:38:55,989  
myself I'm the chief investigator for

906  
00:39:01,200 --> 00:38:59,650  
MUFON in Virginia you have evidence of

907  
00:39:03,269 --> 00:39:01,210  
things that you're looking for right now

908  
00:39:06,029 --> 00:39:03,279  
any project I think the two of you

909  
00:39:08,279 --> 00:39:06,039  
should get together and and take a look

910  
00:39:10,769 --> 00:39:08,289  
at it because it's pretty astounding and

911  
00:39:12,450 --> 00:39:10,779  
that thing Martin will agree I've never

912  
00:39:13,890 --> 00:39:12,460  
saw that part of it but Ray is an

913  
00:39:15,539 --> 00:39:13,900

amazing guy there's no doubt about it

914

00:39:21,559 --> 00:39:15,549

well thank you so much for that

915

00:39:27,599 --> 00:39:25,279

all right Ben thanks a lot thanks a lot

916

00:39:28,440 --> 00:39:27,609

all right so we're going to be wrapping

917

00:39:32,039 --> 00:39:28,450

it up

918

00:39:35,880 --> 00:39:32,049

thanks so much you too and the I posted

919

00:39:39,180 --> 00:39:35,890

the website right on podcast UFO coms

920

00:39:42,299 --> 00:39:39,190

right on our sidebar to get to UFO data

921

00:39:42,989 --> 00:39:42,309

net Martin thanks so much for having us

922

00:39:44,519 --> 00:39:42,999

on tonight

923

00:39:46,470 --> 00:39:44,529

yeah really appreciate it and I hope

924

00:39:48,319 --> 00:39:46,480

everybody will go check out our website

925

00:39:51,450 --> 00:39:48,329

all right you took you two take care

926  
00:39:53,099 --> 00:39:51,460  
thanks all right hang on everyone

927  
00:40:29,509 --> 00:39:53,109  
we're going to be getting Michael

928  
00:40:36,239 --> 00:40:33,150  
hello hello Michael Shermer how are you

929  
00:40:40,289 --> 00:40:36,249  
I am channeling you from another

930  
00:40:42,299 --> 00:40:40,299  
extraterrestrial world here but so I

931  
00:40:43,979 --> 00:40:42,309  
think I a little bit of background noise

932  
00:40:55,410 --> 00:40:43,989  
there I'm not sure if you have that

933  
00:40:58,319 --> 00:40:55,420  
website open yep no problem okay I just

934  
00:41:01,680 --> 00:40:58,329  
turned up oh I see yeah [\h\_\_\h] it got it

935  
00:41:04,739 --> 00:41:01,690  
yeah yeah we're doing a little time

936  
00:41:06,120 --> 00:41:04,749  
travelling there heard you in it that in

937  
00:41:07,670 --> 00:41:06,130  
the future yes

938  
00:41:11,039 --> 00:41:07,680

thanks so much for being on the show

939

00:41:13,979 --> 00:41:11,049

it's it's a it's a real pleasure to have

940

00:41:16,920 --> 00:41:13,989

you on and your name has come up many

941

00:41:19,739 --> 00:41:16,930

times over this last four years that

942

00:41:26,999 --> 00:41:19,749

I've done this show and you know maybe

943

00:41:29,130 --> 00:41:27,009

not always in a good way but anyway we

944

00:41:32,130 --> 00:41:29,140

had we had some people email a couple of

945

00:41:34,140 --> 00:41:32,140

questions in but first of all if for the

946

00:41:35,670 --> 00:41:34,150

person and there's probably not too many

947

00:41:38,789 --> 00:41:35,680

but for someone out there that has not

948

00:41:40,229 --> 00:41:38,799

heard of who dr. Michael Shermer is can

949

00:41:41,609 --> 00:41:40,239

you give your background and I

950

00:41:44,549 --> 00:41:41,619

understand that you actually had an

951  
00:41:45,059 --> 00:41:44,559  
interest in paranormal when you were

952  
00:41:49,109 --> 00:41:45,069  
younger

953  
00:41:51,779 --> 00:41:49,119  
oh yes absolutely well in terms of my

954  
00:41:54,689 --> 00:41:51,789  
bona fides the publisher of skeptic

955  
00:41:57,180 --> 00:41:54,699  
magazine and a monthly columnist for

956  
00:41:58,469 --> 00:41:57,190  
Scientific American I teach a critical

957  
00:42:01,620 --> 00:41:58,479  
thinking course at Chapman University

958  
00:42:03,630 --> 00:42:01,630  
called scepticism 101 one day a week and

959  
00:42:05,459 --> 00:42:03,640  
and then I write science books and

960  
00:42:08,789 --> 00:42:05,469  
that's so that's pretty much what I do

961  
00:42:11,640 --> 00:42:08,799  
for a living the UFO subject you know

962  
00:42:14,939 --> 00:42:11,650  
which I include alien abductions as well

963  
00:42:17,789 --> 00:42:14,949

as the SETI program the whole range is a

964

00:42:19,739 --> 00:42:17,799

pretty normal part of of what we do at

965

00:42:22,410 --> 00:42:19,749

skeptic and the whole skeptical movement

966

00:42:24,859 --> 00:42:22,420

is very much involved in trying to

967

00:42:27,749 --> 00:42:24,869

understand the phenomenon and provide

968

00:42:29,880 --> 00:42:27,759

terrestrial explanations let's say for

969

00:42:32,939 --> 00:42:29,890

these apparently extraterrestrial

970

00:42:35,069 --> 00:42:32,949

phenomenon and so I've touched on the

971

00:42:37,890 --> 00:42:35,079

subject in several of my books and I

972

00:42:39,530 --> 00:42:37,900

have a personal interest in it I mean

973

00:42:42,000 --> 00:42:39,540

would not be interested in the idea that

974

00:42:44,700 --> 00:42:42,010

that there could be extraterrestrials

975

00:42:47,220 --> 00:42:44,710

out there but I'm I'm also quick to

976

00:42:49,950 --> 00:42:47,230

distinguish between the question of our

977

00:42:52,470 --> 00:42:49,960

extraterrestrial intelligences out there

978

00:42:55,410 --> 00:42:52,480

somewhere in the cosmos versus had they

979

00:42:58,470 --> 00:42:55,420

come here and I'm inclined to lean

980

00:43:00,480 --> 00:42:58,480

toward saying that they probably are out

981

00:43:02,730 --> 00:43:00,490

there somewhere in the cosmos because it

982

00:43:05,520 --> 00:43:02,740

would be you know a great waste of space

983

00:43:07,890 --> 00:43:05,530

as Carl Sagan like to say if you know we

984

00:43:10,140 --> 00:43:07,900

were alone and the only one but we don't

985

00:43:12,210 --> 00:43:10,150

know for sure so you know it's it's just

986

00:43:14,430 --> 00:43:12,220

a question of continuing to look and

987

00:43:18,030 --> 00:43:14,440

search on the other hand have they come

988

00:43:19,800 --> 00:43:18,040

here very probably no simply because the

989

00:43:22,800 --> 00:43:19,810

evidence is you know not strong enough

990

00:43:26,250 --> 00:43:22,810

it's still on the level of anecdotal so

991

00:43:28,230 --> 00:43:26,260

I tend to be a little more positive that

992

00:43:29,880 --> 00:43:28,240

ETS are out there somewhere a little

993

00:43:31,920 --> 00:43:29,890

little more skeptical that they've come

994

00:43:33,660 --> 00:43:31,930

here yeah the one of the one of the

995

00:43:36,300 --> 00:43:33,670

things I think about now I'm not saying

996

00:43:38,760 --> 00:43:36,310

that I've never really committed to

997

00:43:40,500 --> 00:43:38,770

seeing that UFOs or the sighting I had

998

00:43:42,690 --> 00:43:40,510

was extraterrestrial I've never really

999

00:43:43,980 --> 00:43:42,700

committed to that because I've said a

1000

00:43:45,630 --> 00:43:43,990

number of times in the show could be

1001  
00:43:50,520 --> 00:43:45,640  
something that no one's even thought of

1002  
00:43:53,460 --> 00:43:50,530  
you know at this point but I had I had

1003  
00:43:57,000 --> 00:43:53,470  
an astrophysicist dr. Jeffrey Bennett on

1004  
00:43:58,950 --> 00:43:57,010  
a while back and a number of people that

1005  
00:44:01,500 --> 00:43:58,960  
listen to the show regularly have heard

1006  
00:44:04,290 --> 00:44:01,510  
this but one of the things he said he

1007  
00:44:08,310 --> 00:44:04,300  
was a senior visiting scientist at NASA

1008  
00:44:12,270 --> 00:44:08,320  
and he and his colleagues quietly agreed

1009  
00:44:14,430 --> 00:44:12,280  
that if a if a civilization can get

1010  
00:44:16,080 --> 00:44:14,440  
through the bottleneck of technology

1011  
00:44:17,910 --> 00:44:16,090  
without blowing themselves up then

1012  
00:44:20,490 --> 00:44:17,920  
they'll probably be traveling the Stars

1013  
00:44:21,930 --> 00:44:20,500

and I wonder what you thought about that

1014

00:44:24,540 --> 00:44:21,940

and you know you can look at what we're

1015

00:44:26,220 --> 00:44:24,550

trying to do and if we could travel the

1016

00:44:29,070 --> 00:44:26,230

Stars we certainly would be I would

1017

00:44:30,690 --> 00:44:29,080

imagine oh yes absolutely I know the

1018

00:44:33,440 --> 00:44:30,700

arguments and I think they're they're

1019

00:44:35,730 --> 00:44:33,450

reasonable that is if we do encounter an

1020

00:44:39,120 --> 00:44:35,740

extraterrestrial intelligence it's it's

1021

00:44:42,390 --> 00:44:39,130

very very likely not to be anything like

1022

00:44:44,940 --> 00:44:42,400

us not only physically so right off the

1023

00:44:46,890 --> 00:44:44,950

but we can discount the alien abduction

1024

00:44:48,720 --> 00:44:46,900

stories in which the aliens or bipedal

1025

00:44:50,610 --> 00:44:48,730

primates that look pretty much like us

1026

00:44:51,130 --> 00:44:50,620

except they don't have body hair and

1027

00:44:53,380 --> 00:44:51,140

they have

1028

00:44:58,150 --> 00:44:53,390

and almond-shaped eyes and so forth I

1029

00:45:00,609 --> 00:44:58,160

mean the chances of another sequence of

1030

00:45:02,829 --> 00:45:00,619

of evolution happening in lockstep with

1031

00:45:06,039 --> 00:45:02,839

what happened on earth on some other

1032

00:45:08,019 --> 00:45:06,049

planet that ends up with a bipedal

1033

00:45:11,220 --> 00:45:08,029

primate I mean this has only happened a

1034

00:45:14,140 --> 00:45:11,230

couple of times in the billion years of

1035

00:45:17,079 --> 00:45:14,150

evolution on earth and they've all gone

1036

00:45:19,089 --> 00:45:17,089

extinct except one us and you know

1037

00:45:21,759 --> 00:45:19,099

considering the tens of millions of

1038

00:45:24,880 --> 00:45:21,769

species on earth you know only a couple

1039

00:45:28,359 --> 00:45:24,890

you know the new world monkeys the great

1040

00:45:30,940 --> 00:45:28,369

apes of which we are a part have become

1041

00:45:32,170 --> 00:45:30,950

you know bipedal primates the chance of

1042

00:45:34,900 --> 00:45:32,180

that happening somewhere else are

1043

00:45:36,670 --> 00:45:34,910

virtually zero so I mean there's a

1044

00:45:38,499 --> 00:45:36,680

counter-argument to that I'll give you

1045

00:45:40,299 --> 00:45:38,509

that even Richard Dawkins endorses a

1046

00:45:42,160 --> 00:45:40,309

little bit that he and I had a little

1047

00:45:44,410 --> 00:45:42,170

debate on this that you know there is

1048

00:45:46,690 --> 00:45:44,420

such a thing as convergent evolution

1049

00:45:48,460 --> 00:45:46,700

that is you know fish are always going

1050

00:45:50,349 --> 00:45:48,470

to look kind of like fish if they have

1051  
00:45:51,970 --> 00:45:50,359  
to swim through a dense medium of water

1052  
00:45:53,769 --> 00:45:51,980  
on any planet you have to have a

1053  
00:45:55,839 --> 00:45:53,779  
fusiform body to slide through the water

1054  
00:45:57,910 --> 00:45:55,849  
and a fairly efficient manner if you're

1055  
00:46:00,220 --> 00:45:57,920  
going to fly you have to have something

1056  
00:46:02,170 --> 00:46:00,230  
like wings so there's going to be

1057  
00:46:03,670 --> 00:46:02,180  
creatures and other planets that if they

1058  
00:46:05,559 --> 00:46:03,680  
fly they have to have something like an

1059  
00:46:07,390 --> 00:46:05,569  
aerodynamic structure like a wing so

1060  
00:46:09,819 --> 00:46:07,400  
it's possible you could you know you

1061  
00:46:11,559 --> 00:46:09,829  
could get something with limbs and you

1062  
00:46:13,839 --> 00:46:11,569  
know all the sensory apparatus and a

1063  
00:46:15,789 --> 00:46:13,849

brain on one end and you know the waste

1064

00:46:18,299 --> 00:46:15,799

disposal system on the other end and so

1065

00:46:20,799 --> 00:46:18,309

forth you know something like let's do

1066

00:46:22,239 --> 00:46:20,809

but still you know but look at the

1067

00:46:25,269 --> 00:46:22,249

diversity of life on Earth

1068

00:46:27,670 --> 00:46:25,279

where you know the vast majority 99.999%

1069

00:46:30,339 --> 00:46:27,680

of all species on earth looked nothing

1070

00:46:32,289 --> 00:46:30,349

like humans so you know it's too

1071

00:46:34,150 --> 00:46:32,299

chauvinistic I think to imagine aliens

1072

00:46:36,729 --> 00:46:34,160

on another planet being something like

1073

00:46:40,329 --> 00:46:36,739

so I think we can just dispense with

1074

00:46:43,180 --> 00:46:40,339

that no I I just want to say my side of

1075

00:46:46,059 --> 00:46:43,190

that I I think you know we're were there

1076  
00:46:48,729 --> 00:46:46,069  
right now we're the smartest thing going

1077  
00:46:51,819 --> 00:46:48,739  
on this planet not by much when it comes

1078  
00:46:54,849 --> 00:46:51,829  
to dolphins or whatever but you know and

1079  
00:46:57,390 --> 00:46:54,859  
we evolved in the way we have evolved

1080  
00:47:02,079 --> 00:46:57,400  
with a you know binocular vision and

1081  
00:47:05,019 --> 00:47:02,089  
which also kind of lends to bipedal and

1082  
00:47:07,089 --> 00:47:05,029  
all that you know I'm not a scientist

1083  
00:47:09,729 --> 00:47:07,099  
but I'm just saying that this is how we

1084  
00:47:12,789 --> 00:47:09,739  
evolved as the smartest things on this

1085  
00:47:15,609 --> 00:47:12,799  
planet so I wouldn't discount totally

1086  
00:47:17,859 --> 00:47:15,619  
that it could be possibly the same thing

1087  
00:47:19,929 --> 00:47:17,869  
on another planet you know I know

1088  
00:47:23,799 --> 00:47:19,939

there's all kinds of things involved is

1089

00:47:26,019 --> 00:47:23,809

gravity there's the oxygen and whatever

1090

00:47:27,759 --> 00:47:26,029

levels whatever it is they're breathing

1091

00:47:30,669 --> 00:47:27,769

I understand that there's all types of

1092

00:47:33,579 --> 00:47:30,679

variables and through evolution all

1093

00:47:35,769 --> 00:47:33,589

types of things can happen but this is

1094

00:47:37,959 --> 00:47:35,779

how we evolved as the smartest beings on

1095

00:47:41,589 --> 00:47:37,969

this planet and so I wouldn't discount

1096

00:47:43,239 --> 00:47:41,599

it myself sure and and and not everybody

1097

00:47:45,099 --> 00:47:43,249

does discount it I'm just kind of giving

1098

00:47:50,919 --> 00:47:45,109

you my thoughts as I said Richard

1099

00:47:54,640 --> 00:47:50,929

Dawkins based on the work of oh I forget

1100

00:47:57,459 --> 00:47:54,650

the paleontologist in England now Simon

1101  
00:47:58,599 --> 00:47:57,469  
Conway Morris he has he has a book in

1102  
00:48:01,120 --> 00:47:58,609  
which he makes this argument about

1103  
00:48:03,579 --> 00:48:01,130  
convergent evolution any case that

1104  
00:48:05,529 --> 00:48:03,589  
that's sort of a separate story there

1105  
00:48:07,419 --> 00:48:05,539  
the other the other point that about the

1106  
00:48:10,689 --> 00:48:07,429  
alien abduction accounts the narratives

1107  
00:48:14,229 --> 00:48:10,699  
people tell again I think they lean more

1108  
00:48:15,519 --> 00:48:14,239  
toward being human imagination because

1109  
00:48:17,589 --> 00:48:15,529  
you know the aliens are always doing

1110  
00:48:20,649 --> 00:48:17,599  
very human-like things you know the you

1111  
00:48:22,179 --> 00:48:20,659  
know the sexual probing and and you know

1112  
00:48:24,880 --> 00:48:22,189  
the kinds of stuff that appears in these

1113  
00:48:27,370 --> 00:48:24,890

narrative accounts very much resembles

1114

00:48:30,880 --> 00:48:27,380

lucid dreams and the kinds of sense

1115

00:48:33,819 --> 00:48:30,890

presences that people have in sleep

1116

00:48:36,609 --> 00:48:33,829

paralysis experiences it's all just too

1117

00:48:39,429 --> 00:48:36,619

fraught with human frailty human

1118

00:48:41,709 --> 00:48:39,439

psychology that you know it's more

1119

00:48:44,409 --> 00:48:41,719

likely that than it is that you know ETS

1120

00:48:46,149 --> 00:48:44,419

happen to have evolved to look pretty

1121

00:48:48,729 --> 00:48:46,159

much like us and they manage to find

1122

00:48:50,949 --> 00:48:48,739

their way here on earth from some other

1123

00:48:52,539 --> 00:48:50,959

planet and that brings me back back to

1124

00:48:54,609 --> 00:48:52,549

your first point which i think is a good

1125

00:48:57,249 --> 00:48:54,619

one that you know if you take Moore's

1126  
00:48:59,189 --> 00:48:57,259  
law of doubling the power of you know

1127  
00:49:01,419 --> 00:48:59,199  
pretty much anything not not just

1128  
00:49:04,989 --> 00:49:01,429  
computer chips but you know DNA

1129  
00:49:08,140 --> 00:49:04,999  
sequencing and and per-capita GDP and

1130  
00:49:09,969 --> 00:49:08,150  
you know space travel and automated cars

1131  
00:49:12,269 --> 00:49:09,979  
and things like this I mean we've made

1132  
00:49:15,009 --> 00:49:12,279  
huge progress in just a hundred years

1133  
00:49:17,679 --> 00:49:15,019  
imagine what what things will be like

1134  
00:49:18,640 --> 00:49:17,689  
here in a hundred thousand years and the

1135  
00:49:21,460 --> 00:49:18,650  
chances of another

1136  
00:49:24,099 --> 00:49:21,470  
intelligence evolving in lockstep time

1137  
00:49:27,430 --> 00:49:24,109  
with us on some other planet is also

1138  
00:49:30,460 --> 00:49:27,440

remote I'm doing that yeah

1139

00:49:32,470 --> 00:49:30,470

because of extinction and I yeah I

1140

00:49:34,680 --> 00:49:32,480

totally understand that part yeah I mean

1141

00:49:37,779 --> 00:49:34,690

just just whatever the starting point is

1142

00:49:39,999 --> 00:49:37,789

you know whether it was a billion or 1.1

1143

00:49:42,220 --> 00:49:40,009

billion you know that isn't that isn't

1144

00:49:44,950 --> 00:49:42,230

much on a geological timescale but on a

1145

00:49:47,230 --> 00:49:44,960

on a cultural technological timescale

1146

00:49:49,359 --> 00:49:47,240

you know a million years or ten million

1147

00:49:52,239 --> 00:49:49,369

years 100 million years would be just a

1148

00:49:54,579 --> 00:49:52,249

game-changer and so and that's why again

1149

00:49:56,470 --> 00:49:54,589

I don't think like the stories like with

1150

00:49:58,059 --> 00:49:56,480

Roswell where you know that the aliens

1151  
00:49:59,829 --> 00:49:58,069  
land and we back engineered their

1152  
00:50:01,210 --> 00:49:59,839  
technology and their spaceships we're

1153  
00:50:03,339 --> 00:50:01,220  
you know just barely better than our

1154  
00:50:05,859 --> 00:50:03,349  
than our rockets and jets and spacecraft

1155  
00:50:08,200 --> 00:50:05,869  
you know just maybe a few years or you

1156  
00:50:10,749 --> 00:50:08,210  
know a hundred years you know better in

1157  
00:50:12,910 --> 00:50:10,759  
superiors is ridiculous they would be

1158  
00:50:14,589 --> 00:50:12,920  
ten thousand years a hundred thousand

1159  
00:50:17,230 --> 00:50:14,599  
years a million years more advanced than

1160  
00:50:19,450 --> 00:50:17,240  
us if we do encounter them I mean they

1161  
00:50:20,650 --> 00:50:19,460  
could be behind us but of course they're

1162  
00:50:22,239 --> 00:50:20,660  
not going to come here if they're behind

1163  
00:50:24,400 --> 00:50:22,249

us technologically we have to just run

1164

00:50:25,989 --> 00:50:24,410  
into them if we land on Mars or

1165

00:50:26,739 --> 00:50:25,999  
something which we haven't seen anything

1166

00:50:29,380 --> 00:50:26,749  
like that yet

1167

00:50:31,809 --> 00:50:29,390  
but so if we do encounter them here

1168

00:50:33,819 --> 00:50:31,819  
they're gonna be super vastly superior

1169

00:50:35,259 --> 00:50:33,829  
this is why I'm in Chicago makes the

1170

00:50:38,259 --> 00:50:35,269  
point that it could be there they're

1171

00:50:39,789 --> 00:50:38,269  
here or there we're like ants to them

1172

00:50:42,579 --> 00:50:39,799  
you know the ants don't even know we're

1173

00:50:44,410 --> 00:50:42,589  
around you know they're not this so it

1174

00:50:46,690 --> 00:50:44,420  
would be something like that that's a

1175

00:50:48,069 --> 00:50:46,700  
reasonable argument and it's you know

1176

00:50:49,450 --> 00:50:48,079

part of the you know Fermi's paradox

1177

00:50:51,880 --> 00:50:49,460

where is everybody

1178

00:50:54,220 --> 00:50:51,890

surely anybody that's like us would have

1179

00:50:56,079 --> 00:50:54,230

already populated the galaxy you could

1180

00:50:57,940 --> 00:50:56,089

do it in a few million years I think 10

1181

00:51:00,279 --> 00:50:57,950

million years is the estimate which is

1182

00:51:02,559 --> 00:51:00,289

nothing on a you know geological

1183

00:51:04,569 --> 00:51:02,569

timescale you know a few million years

1184

00:51:06,759 --> 00:51:04,579

on a geological timescale you could miss

1185

00:51:09,220 --> 00:51:06,769

a species changing entirely just no

1186

00:51:11,589 --> 00:51:09,230

fossils are left and so that that's

1187

00:51:13,359 --> 00:51:11,599

entirely possible but again the fact

1188

00:51:16,089 --> 00:51:13,369

that it's possible doesn't mean it

1189

00:51:19,150 --> 00:51:16,099

happened and in any case where are the

1190

00:51:21,309 --> 00:51:19,160

were the self-replicating probes from

1191

00:51:23,710 --> 00:51:21,319

these alien technologies you know the

1192

00:51:26,289 --> 00:51:23,720

equivalent of the monolith on mar on the

1193

00:51:27,999 --> 00:51:26,299

moon in 2001 you know if we if we

1194

00:51:30,249 --> 00:51:28,009

uncovered something like that on the

1195

00:51:32,500 --> 00:51:30,259

moon which is why Kubrick put that in

1196

00:51:34,690 --> 00:51:32,510

the film you know it's unmistakable

1197

00:51:36,550 --> 00:51:34,700

a dream it's not a fuzzy photograph it's

1198

00:51:39,130 --> 00:51:36,560

not a grainy video it's not an anecdote

1199

00:51:39,580 --> 00:51:39,140

about spooky things that go bump in the

1200

00:51:41,590 --> 00:51:39,590

night

1201

00:51:44,290 --> 00:51:41,600

it's an unmistakable sign of

1202

00:51:46,600 --> 00:51:44,300

extraterrestrial intelligence something

1203

00:51:49,090 --> 00:51:46,610

like that would definitely convince me

1204

00:51:50,800 --> 00:51:49,100

and all other skeptics you know so this

1205

00:51:52,570 --> 00:51:50,810

idea that there's true skeptics and

1206

00:51:55,390 --> 00:51:52,580

debunkers you know the point that Leslie

1207

00:51:58,030 --> 00:51:55,400

Kean makes well you know that may be

1208

00:52:00,070 --> 00:51:58,040

true so in some cases but really if you

1209

00:52:01,420 --> 00:52:00,080

want to convince all of us without any

1210

00:52:03,520 --> 00:52:01,430

question at all you know give us

1211

00:52:06,430 --> 00:52:03,530

something like the monolith on the moon

1212

00:52:07,480 --> 00:52:06,440

yeah that would that would do it all

1213

00:52:09,640 --> 00:52:07,490

right sorry we had some technical

1214

00:52:11,650 --> 00:52:09,650

difficulties here than the live show

1215

00:52:12,970 --> 00:52:11,660

we're back though and Michael I don't

1216

00:52:16,420 --> 00:52:12,980

even remember the conversation we were

1217

00:52:19,990 --> 00:52:16,430

in everything just kind of went we were

1218

00:52:21,400 --> 00:52:20,000

talking about if if a civilization

1219

00:52:24,460 --> 00:52:21,410

achieves something like what we have

1220

00:52:26,680 --> 00:52:24,470

achieved in terms of technology then

1221

00:52:29,700 --> 00:52:26,690

shouldn't they continue on forward

1222

00:52:32,980 --> 00:52:29,710

building let's say self-replicating

1223

00:52:35,140 --> 00:52:32,990

spacecraft that can populate the solar

1224

00:52:36,850 --> 00:52:35,150

system and then the galaxy eventually

1225

00:52:40,030 --> 00:52:36,860

and that this could be done in a few

1226  
00:52:42,520 --> 00:52:40,040  
million to 10 million years even if it's

1227  
00:52:45,220 --> 00:52:42,530  
not biological forms of intelligence it

1228  
00:52:48,280 --> 00:52:45,230  
could be robotic then shouldn't they

1229  
00:52:49,870 --> 00:52:48,290  
have been here by now you know Fermi

1230  
00:52:53,290 --> 00:52:49,880  
paradox there are some people that say

1231  
00:52:56,470 --> 00:52:53,300  
that I actually spoke to someone many

1232  
00:52:59,830 --> 00:52:56,480  
years ago that worked in that was up

1233  
00:53:01,420 --> 00:52:59,840  
during Vietnam supposedly investigating

1234  
00:53:03,760 --> 00:53:01,430  
now this is just a story said he was in

1235  
00:53:05,140 --> 00:53:03,770  
the Air Force special task unit blah

1236  
00:53:07,060 --> 00:53:05,150  
blah blah

1237  
00:53:09,790 --> 00:53:07,070  
he was my insurance agents so I don't

1238  
00:53:12,700 --> 00:53:09,800

know if his story was true or not but he

1239

00:53:14,890 --> 00:53:12,710

did say we're a p2 dish we're being

1240

00:53:17,460 --> 00:53:14,900

observed now I don't know that sounds

1241

00:53:20,740 --> 00:53:17,470

pretty wild and pretty far out there but

1242

00:53:22,240 --> 00:53:20,750

you know we just I think you know

1243

00:53:26,980 --> 00:53:22,250

everything is open for debate when it

1244

00:53:28,540 --> 00:53:26,990

comes to this well yes open for you know

1245

00:53:32,260 --> 00:53:28,550

I guess speculation or something like

1246

00:53:35,200 --> 00:53:32,270

that is fine but what altum Utley we we

1247

00:53:36,310 --> 00:53:35,210

do at some point need evidence you know

1248

00:53:39,220 --> 00:53:36,320

it's one thing for a science fiction

1249

00:53:41,170 --> 00:53:39,230

writer to imagine this or that or us

1250

00:53:43,900 --> 00:53:41,180

having you know a few drinks imagining

1251  
00:53:46,060 --> 00:53:43,910  
some interesting ideas but before we

1252  
00:53:47,800 --> 00:53:46,070  
conclude that you know this

1253  
00:53:49,600 --> 00:53:47,810  
but it's possible does it mean it's real

1254  
00:53:52,000 --> 00:53:49,610  
you still need you know one of those

1255  
00:53:54,580 --> 00:53:52,010  
gadgets from the spacecraft that you

1256  
00:53:56,800 --> 00:53:54,590  
visited or the actual spacecraft itself

1257  
00:53:58,270 --> 00:53:56,810  
that's it you know hidden at area 51 or

1258  
00:54:00,670 --> 00:53:58,280  
whatever

1259  
00:54:02,050 --> 00:54:00,680  
you still got well this is the point in

1260  
00:54:03,850 --> 00:54:02,060  
biology if you want to name a new

1261  
00:54:07,120 --> 00:54:03,860  
species you have to have a type specimen

1262  
00:54:09,070 --> 00:54:07,130  
a hollow type you know an actual body

1263  
00:54:11,320 --> 00:54:09,080

you know that everybody can see and

1264

00:54:13,150 --> 00:54:11,330

dissect and photograph and published in

1265

00:54:14,320 --> 00:54:13,160

peer-reviewed journals and so on and

1266

00:54:16,030 --> 00:54:14,330

other people can see it

1267

00:54:18,280 --> 00:54:16,040

you know you can't come back from a hike

1268

00:54:19,900 --> 00:54:18,290

and tell your fellow biologists I

1269

00:54:20,110 --> 00:54:19,910

discovered a new species well where is

1270

00:54:22,390 --> 00:54:20,120

it

1271

00:54:24,250 --> 00:54:22,400

well you know I got this grainy video

1272

00:54:26,830 --> 00:54:24,260

here of it I can't quite make it out

1273

00:54:28,120 --> 00:54:26,840

well but trust me I saw it well you know

1274

00:54:29,850 --> 00:54:28,130

that's not going to that's not going to

1275

00:54:32,950 --> 00:54:29,860

fly you know in the scientific community

1276

00:54:34,930 --> 00:54:32,960

now science is you know theories more or

1277

00:54:40,090 --> 00:54:34,940

less and theories are always open for

1278

00:54:42,340 --> 00:54:40,100

change so what I consider a lot of

1279

00:54:44,230 --> 00:54:42,350

things like the Big Bang Theory dark

1280

00:54:47,380 --> 00:54:44,240

matter dark energy you know all things

1281

00:54:50,260 --> 00:54:47,390

that you know we try to extrapolate but

1282

00:54:52,450 --> 00:54:50,270

we don't really have you know who knows

1283

00:54:54,310 --> 00:54:52,460

in my opinion you're probably going to

1284

00:54:56,800 --> 00:54:54,320

think this is crazy but we may find out

1285

00:54:59,230 --> 00:54:56,810

someday that the Big Bang was wrong you

1286

00:55:01,450 --> 00:54:59,240

know that whole theory a lot of things

1287

00:55:04,720 --> 00:55:01,460

do point I understand there's like six

1288

00:55:07,180 --> 00:55:04,730

things that really point to it but but

1289

00:55:09,310 --> 00:55:07,190

the the fact that's really hard I think

1290

00:55:11,890 --> 00:55:09,320

for anyone to understand as how

1291

00:55:14,440 --> 00:55:11,900

something can start from nothing type of

1292

00:55:17,980 --> 00:55:14,450

thing and that's kind of where where it

1293

00:55:19,690 --> 00:55:17,990

begins as far as I know yeah that's

1294

00:55:21,340 --> 00:55:19,700

right all these theories of theory that

1295

00:55:23,950 --> 00:55:21,350

evolution could be wrong gravity could

1296

00:55:26,650 --> 00:55:23,960

be wrong you know whatever very unlikely

1297

00:55:29,290 --> 00:55:26,660

the the more evidence there is for it

1298

00:55:31,090 --> 00:55:29,300

now there are no truths and science with

1299

00:55:33,970 --> 00:55:31,100

a capital T it's all provisional these

1300

00:55:35,590 --> 00:55:33,980

are provisional truths but still you

1301  
00:55:37,690 --> 00:55:35,600  
know we gain confidence or lose

1302  
00:55:39,790 --> 00:55:37,700  
confidence in a theory as time goes on

1303  
00:55:42,610 --> 00:55:39,800  
and certain theories are pretty robust

1304  
00:55:44,830 --> 00:55:42,620  
others not so much you know the Big Bang

1305  
00:55:46,810 --> 00:55:44,840  
Theory you know there's a not the TV

1306  
00:55:49,180 --> 00:55:46,820  
show but the actual theory you know

1307  
00:55:51,070 --> 00:55:49,190  
really is really a thing I mean it would

1308  
00:55:52,990 --> 00:55:51,080  
be quite surprising at this point if it

1309  
00:55:54,640 --> 00:55:53,000  
turned out to be incorrect same thing

1310  
00:55:56,470 --> 00:55:54,650  
with the theory of evolution other

1311  
00:55:58,210 --> 00:55:56,480  
string theory you know are kind of in

1312  
00:55:59,109 --> 00:55:58,220  
that Borderlands area we just really

1313  
00:56:01,720 --> 00:55:59,119

don't know

1314

00:56:03,460 --> 00:56:01,730

what about parallel universes that's

1315

00:56:06,130 --> 00:56:03,470

another thing there's the other

1316

00:56:07,329 --> 00:56:06,140

multiverse you know there's there's half

1317

00:56:09,749 --> 00:56:07,339

a dozen different versions of the

1318

00:56:12,279 --> 00:56:09,759

multiverse including parallel universes

1319

00:56:14,529 --> 00:56:12,289

they're all about equal in my book that

1320

00:56:16,779 --> 00:56:14,539

is equally unproved but equally possible

1321

00:56:18,789 --> 00:56:16,789

based on the mathematics I'm told

1322

00:56:20,589 --> 00:56:18,799

because I don't do that I'm a social

1323

00:56:23,259 --> 00:56:20,599

scientist but what I'm told that you

1324

00:56:24,940 --> 00:56:23,269

know these are all plasmas possible but

1325

00:56:26,950 --> 00:56:24,950

you know we just said alternately there

1326  
00:56:28,960 --> 00:56:26,960  
needs to be some way to test which one

1327  
00:56:31,299 --> 00:56:28,970  
is more likely than the other one

1328  
00:56:33,249 --> 00:56:31,309  
or which one is more mathematically

1329  
00:56:34,690 --> 00:56:33,259  
possible something like that there in

1330  
00:56:36,279 --> 00:56:34,700  
other words at some point it can't just

1331  
00:56:38,170 --> 00:56:36,289  
be you have your theory and I have my

1332  
00:56:40,089 --> 00:56:38,180  
theory and we we see who talks the

1333  
00:56:42,009 --> 00:56:40,099  
loudest to see which one is right it

1334  
00:56:45,579 --> 00:56:42,019  
says that just can't be the way it is

1335  
00:56:47,440 --> 00:56:45,589  
and you know so that again the fact that

1336  
00:56:50,499 --> 00:56:47,450  
something is possible doesn't mean it's

1337  
00:56:53,499 --> 00:56:50,509  
likely or real it's just you know and

1338  
00:56:55,269 --> 00:56:53,509

lots of things are possible I mean you

1339

00:56:56,710 --> 00:56:55,279

know it's just like my physics friends

1340

00:56:58,450 --> 00:56:56,720

tell me you know the time could run

1341

00:57:00,609 --> 00:56:58,460

backwards you know you could run the

1342

00:57:03,009 --> 00:57:00,619

film of a billiard ball bouncing around

1343

00:57:04,359 --> 00:57:03,019

on a table backwards you wouldn't notice

1344

00:57:06,130 --> 00:57:04,369

the difference but you certainly would

1345

00:57:07,660 --> 00:57:06,140

notice the difference if you cracked an

1346

00:57:10,089 --> 00:57:07,670

egg and dropped an egg on the ground

1347

00:57:11,829 --> 00:57:10,099

versus the egg coming together into a

1348

00:57:13,779 --> 00:57:11,839

solid egg back into your hand running

1349

00:57:16,450 --> 00:57:13,789

the film backwards apparently that's not

1350

00:57:18,519 --> 00:57:16,460

impossible but but again the fact that

1351

00:57:22,979 --> 00:57:18,529

it's so unlikely we can pretty much rule

1352

00:57:25,329 --> 00:57:22,989

out that it will ever happen here so

1353

00:57:27,970 --> 00:57:25,339

just letting the live color know that

1354

00:57:30,609 --> 00:57:27,980

you can call in at six oh three nine six

1355

00:57:32,049 --> 00:57:30,619

seven four OH three oh we had a bunch of

1356

00:57:34,720 --> 00:57:32,059

questions come up on the chat room

1357

00:57:37,180 --> 00:57:34,730

that's kind of spun down I can't find

1358

00:57:38,950 --> 00:57:37,190

them but I think one of them was do you

1359

00:57:43,960 --> 00:57:38,960

ever think humanity will travel the

1360

00:57:46,960 --> 00:57:43,970

Stars oh well we already are

1361

00:57:50,049 --> 00:57:46,970

well interstellar let's say yeah well

1362

00:57:51,220 --> 00:57:50,059

the Voyager spacecraft is why what do

1363

00:57:53,979 --> 00:57:51,230

you mean by humanity the Voyager

1364

00:57:56,170 --> 00:57:53,989

spacecraft has left the solar system

1365

00:57:57,700 --> 00:57:56,180

it's you know beyond the heliopause so

1366

00:57:59,410 --> 00:57:57,710

that would count I don't know if that

1367

00:58:01,989 --> 00:57:59,420

technically counts as interstellar but

1368

00:58:04,620 --> 00:58:01,999

it's it's you know beyond out of our

1369

00:58:08,049 --> 00:58:04,630

solar system so I think that counts as

1370

00:58:11,259 --> 00:58:08,059

we humans humans it apparently is a much

1371

00:58:12,580 --> 00:58:11,269

much harder problem than you know then

1372

00:58:16,060 --> 00:58:12,590

science fiction right

1373

00:58:18,970 --> 00:58:16,070

make it out to be more like the Martian

1374

00:58:21,820 --> 00:58:18,980

you know where there's a million million

1375

00:58:23,440 --> 00:58:21,830

ways to die every day in space and you

1376

00:58:24,940 --> 00:58:23,450

know it's just super hard so I don't

1377

00:58:26,680 --> 00:58:24,950

think it's insurmountable I think it's

1378

00:58:28,870 --> 00:58:26,690

quite doable I think it'll just take

1379

00:58:30,760 --> 00:58:28,880

longer than you know we had thought you

1380

00:58:33,040 --> 00:58:30,770

know when you know Verner von Braun

1381

00:58:35,860 --> 00:58:33,050

planned on you know getting to the moon

1382

00:58:38,800 --> 00:58:35,870

and back by the end of the decade Matt

1383

00:58:41,020 --> 00:58:38,810

make Kennedy's goal you know he had

1384

00:58:44,080 --> 00:58:41,030

grand plans of colonizing Mars in the

1385

00:58:45,760 --> 00:58:44,090

70s and so on and you know it so this is

1386

00:58:48,700 --> 00:58:45,770

the other aspect the civilization has to

1387

00:58:51,820 --> 00:58:48,710

have the political will and the and the

1388

00:58:55,120 --> 00:58:51,830

ending and the finances to do it because

1389

00:58:57,430 --> 00:58:55,130

it's expensive and difficult so you know

1390

00:58:59,830 --> 00:58:57,440

will he will humanity one day populate

1391

00:59:01,450 --> 00:58:59,840

the galaxies yes I think the galaxy is I

1392

00:59:03,340 --> 00:59:01,460

think so I don't think it's going to

1393

00:59:04,870 --> 00:59:03,350

happen you know probably in the next

1394

00:59:07,510 --> 00:59:04,880

century but it could be you know the

1395

00:59:09,490 --> 00:59:07,520

next millennium millennium say uh-huh

1396

00:59:11,290 --> 00:59:09,500

okay hang on we're going to take a quick

1397

00:59:12,670 --> 00:59:11,300

break but just a little quick music

1398

00:59:28,299 --> 00:59:12,680

break and we'll be right back don't go

1399

00:59:34,400 --> 00:59:31,160

all right we're on with Michael Shermer

1400

00:59:36,799 --> 00:59:34,410

we had a bunch of actual questions come

1401

00:59:41,690 --> 00:59:36,809

in through email and I thought I'd get

1402

00:59:43,990 --> 00:59:41,700

to a couple of them and let's see do you

1403

00:59:47,900 --> 00:59:44,000

think some people are as dogmatic about

1404

00:59:52,160 --> 00:59:47,910

skepticism as they accuse others about

1405

00:59:53,690 --> 00:59:52,170

being of religion certainly and I've

1406

00:59:56,480 --> 00:59:53,700

been accused of that myself

1407

00:59:58,970 --> 00:59:56,490

so yeah of course we're all human and

1408

01:00:00,799 --> 00:59:58,980

and and there's nothing special about

1409

01:00:02,089 --> 01:00:00,809

skepticism it's just it's just a

1410

01:00:04,309 --> 01:00:02,099

scientific way of thinking about the

1411

01:00:05,960 --> 01:00:04,319

world and scientists as people of course

1412

01:00:08,210 --> 01:00:05,970

er can be dogmatic about their own

1413

01:00:09,589 --> 01:00:08,220

theories but the beauty of science is

1414

01:00:11,299 --> 01:00:09,599

that it has built into it a

1415

01:00:14,089 --> 01:00:11,309

self-correcting mechanism that if you

1416

01:00:16,640 --> 01:00:14,099

don't find your bios's and flaws and

1417

01:00:18,230 --> 01:00:16,650

mistakes somebody else will and usually

1418

01:00:21,740 --> 01:00:18,240

with great Glee in a public forum

1419

01:00:23,450 --> 01:00:21,750

publish them and make their own bones in

1420

01:00:25,880 --> 01:00:23,460

the scientific community by debunking

1421

01:00:27,620 --> 01:00:25,890

you and your silly ideas and so it's the

1422

01:00:29,870 --> 01:00:27,630

competitive nature of science that makes

1423

01:00:31,640 --> 01:00:29,880

it special that sets it apart from other

1424

01:00:33,559 --> 01:00:31,650

ways of knowing about the world which

1425

01:00:36,920 --> 01:00:33,569

mostly involves just intuition and

1426

01:00:38,990 --> 01:00:36,930

feelings and guesses and and so yeah

1427

01:00:41,049 --> 01:00:39,000

skeptics can you know can go get

1428

01:00:43,930 --> 01:00:41,059

passionate is just like anybody else and

1429

01:00:46,069 --> 01:00:43,940

so it's it's always important to say

1430

01:00:47,930 --> 01:00:46,079

okay first of all sometimes we're called

1431

01:00:50,089 --> 01:00:47,940

debunkers but let's be honest there's a

1432

01:00:51,620 --> 01:00:50,099

lot of bunk that needs debunking so in

1433

01:00:55,730 --> 01:00:51,630

that sense you know we're doing God's

1434

01:00:56,990 --> 01:00:55,740

work but on the other hand of course you

1435

01:00:59,870 --> 01:00:57,000

know we we have to keep an open mind

1436

01:01:02,480 --> 01:00:59,880

about things we truly don't know about I

1437

01:01:05,390 --> 01:01:02,490

think I think that comes up when when

1438

01:01:07,010 --> 01:01:05,400

something is just proclaimed without you

1439

01:01:09,770 --> 01:01:07,020

know something okay can be really

1440

01:01:12,170 --> 01:01:09,780

obvious that it's out there whatever but

1441

01:01:14,030 --> 01:01:12,180

for someone to just say well it's

1442

01:01:16,280 --> 01:01:14,040

impossible UFOs have never visited

1443

01:01:19,069 --> 01:01:16,290

visited earth ever

1444

01:01:20,630 --> 01:01:19,079

I think that's debunking because you you

1445

01:01:22,700 --> 01:01:20,640

really have to look into it before you

1446

01:01:25,880 --> 01:01:22,710

can actually make that Proclamation in

1447

01:01:27,559 --> 01:01:25,890

my opinion well certainly it's good to

1448

01:01:29,750 --> 01:01:27,569

be informed on any subject you're going

1449

01:01:33,970 --> 01:01:29,760

to pronounce opinions on

1450

01:01:35,960 --> 01:01:33,980

say for sure but and and I don't know

1451

01:01:37,550 --> 01:01:35,970

people like Carl Sagan they took it

1452

01:01:39,470 --> 01:01:37,560

seriously you know didn't say it's

1453

01:01:41,210 --> 01:01:39,480

impossible I mean why would it be

1454

01:01:42,980 --> 01:01:41,220

impossible it you know this isn't like a

1455

01:01:45,170 --> 01:01:42,990

perpetual motion machine that violates

1456

01:01:47,090 --> 01:01:45,180

the second law of thermodynamics or you

1457

01:01:49,970 --> 01:01:47,100

know psychic power that you know it's

1458

01:01:51,380 --> 01:01:49,980

just just really impossible by the

1459

01:01:54,380 --> 01:01:51,390

knowing laws of nature

1460

01:01:57,200 --> 01:01:54,390

there's nothing about extraterrestrial

1461

01:01:59,140 --> 01:01:57,210

claims that violates any laws of course

1462

01:02:01,610 --> 01:01:59,150

they could be here they could come here

1463

01:02:03,980 --> 01:02:01,620

under the same principles that we want

1464

01:02:07,400 --> 01:02:03,990

to go there wherever there is the moon

1465

01:02:09,800 --> 01:02:07,410

Mars or whatever so you know with and

1466

01:02:10,190 --> 01:02:09,810

with enough advanced technology we could

1467

01:02:12,500 --> 01:02:10,200

do it

1468

01:02:14,020 --> 01:02:12,510

and as I said lots of people have been

1469

01:02:16,370 --> 01:02:14,030

working on this that are smarter than me

1470

01:02:18,020 --> 01:02:16,380

and tell me it's quite doable

1471

01:02:19,880 --> 01:02:18,030

you know without you know not that

1472

01:02:22,940 --> 01:02:19,890

Rockets use other forms of propulsion

1473

01:02:24,380 --> 01:02:22,950

and and you know and there's ways to get

1474

01:02:25,760 --> 01:02:24,390

around the huge distances by

1475

01:02:26,660 --> 01:02:25,770

accelerating near the speed of light

1476

01:02:28,910 --> 01:02:26,670

that sort of thing

1477

01:02:30,800 --> 01:02:28,920

so it's doable but the question is it

1478

01:02:32,270 --> 01:02:30,810

hasn't been done that's what we want to

1479

01:02:34,280 --> 01:02:32,280

know are they are they here are they

1480

01:02:36,590 --> 01:02:34,290

visiting and again I think the evidence

1481

01:02:37,520 --> 01:02:36,600

is too anecdotal it's too fraught with

1482

01:02:39,980 --> 01:02:37,530

human error

1483

01:02:43,100 --> 01:02:39,990

both perceptual error and cognitive

1484

01:02:44,870 --> 01:02:43,110

error to say conclusively yes we are

1485

01:02:47,900 --> 01:02:44,880

definitely being visited you know so

1486

01:02:49,520 --> 01:02:47,910

when Leslie Keane says in her book and

1487

01:02:51,140 --> 01:02:49,530

and on your interview and so on that we

1488

01:02:52,940 --> 01:02:51,150

should you know we need to look at these

1489

01:02:54,530 --> 01:02:52,950

claims more seriously scientifically

1490

01:02:56,390 --> 01:02:54,540

well who would disagree with that of

1491

01:02:58,340 --> 01:02:56,400

course yes we should but who's the we

1492

01:02:59,840 --> 01:02:58,350

you know I mean the federal government

1493

01:03:02,660 --> 01:02:59,850

it has only so much money and if you

1494

01:03:04,190 --> 01:03:02,670

mean by we if she means the you know

1495

01:03:06,110 --> 01:03:04,200

National Science Foundation or something

1496

01:03:07,850 --> 01:03:06,120

like that well the US government has

1497

01:03:10,100 --> 01:03:07,860

been involved investigating these things

1498

01:03:11,540 --> 01:03:10,110

decades ago and just concluded that

1499

01:03:14,060 --> 01:03:11,550

there wasn't enough to it to spend any

1500

01:03:16,250 --> 01:03:14,070

more money and there's you know other

1501  
01:03:17,570 --> 01:03:16,260  
projects that demand money and you know

1502  
01:03:19,100 --> 01:03:17,580  
there's only so much you can do but

1503  
01:03:21,380 --> 01:03:19,110  
there's plenty of private groups lots

1504  
01:03:23,060 --> 01:03:21,390  
and lots of private UFO groups so let

1505  
01:03:25,430 --> 01:03:23,070  
them do it I mean that's how it's that's

1506  
01:03:26,690 --> 01:03:25,440  
how it's done in all other areas you

1507  
01:03:28,610 --> 01:03:26,700  
know the Bigfoot people they make the

1508  
01:03:29,810 --> 01:03:28,620  
same complaint you know how come we're

1509  
01:03:31,820 --> 01:03:29,820  
you know there's not more serious

1510  
01:03:34,190 --> 01:03:31,830  
scientific investigations well there are

1511  
01:03:36,770 --> 01:03:34,200  
by private scientists but you know the

1512  
01:03:38,000 --> 01:03:36,780  
the you know the NIH National Institutes

1513  
01:03:39,860 --> 01:03:38,010

of Health they're not going to put any

1514

01:03:41,840 --> 01:03:39,870

money into it because you know it's just

1515

01:03:43,610 --> 01:03:41,850

not how it works well I think the

1516

01:03:47,080 --> 01:03:43,620

difference between Bigfoot

1517

01:03:49,240 --> 01:03:47,090

and some object in the sky that could

1518

01:03:51,890 --> 01:03:49,250

potentially cause an air traffic

1519

01:03:54,080 --> 01:03:51,900

disaster are two different things you

1520

01:03:56,540 --> 01:03:54,090

know and I I think you know I still

1521

01:03:58,520 --> 01:03:56,550

think that you know this is gonna sound

1522

01:04:01,970 --> 01:03:58,530

conspiratorial but I do believe that

1523

01:04:04,430 --> 01:04:01,980

when something is sound enough that the

1524

01:04:07,520 --> 01:04:04,440

government is possibly looking into it

1525

01:04:10,010 --> 01:04:07,530

like there are some reports that were

1526

01:04:14,000 --> 01:04:10,020

let's say John Greenwald was able to get

1527

01:04:16,010 --> 01:04:14,010

some NORAD reports can you hang on we

1528

01:04:18,230 --> 01:04:16,020

have a call coming in right now okay

1529

01:04:19,850 --> 01:04:18,240

caller please say your first name how

1530

01:04:23,390 --> 01:04:19,860

are you welcome to the show and pose

1531

01:04:25,790 --> 01:04:23,400

your question largeness been calling

1532

01:04:29,810 --> 01:04:25,800

again Sam let's just you sound better

1533

01:04:31,970 --> 01:04:29,820

this time yeah I was wondering with the

1534

01:04:34,820 --> 01:04:31,980

kind of leaning towards evidence that

1535

01:04:38,050 --> 01:04:34,830

can stir Mia is actually happening with

1536

01:04:41,360 --> 01:04:38,060

comets bring bring organic material that

1537

01:04:42,950 --> 01:04:41,370

couldn't you know a major event like a

1538

01:04:45,590 --> 01:04:42,960

supernova or something bring multiple

1539

01:04:48,140 --> 01:04:45,600

comets of the same organic material on

1540

01:04:50,060 --> 01:04:48,150

it and thus that's why we have some of

1541

01:04:51,860 --> 01:04:50,070

our human early type forms maybe

1542

01:04:54,340 --> 01:04:51,870

throughout the four regions of space

1543

01:04:56,630 --> 01:04:54,350

that would explain two arms two legs

1544

01:04:59,090 --> 01:04:56,640

because it came from the same type of

1545

01:05:01,610 --> 01:04:59,100

bacteria or whatever it was all these

1546

01:05:04,640 --> 01:05:01,620

comments she has permanent are you

1547

01:05:05,720 --> 01:05:04,650

saying like initial life that was spread

1548

01:05:08,660 --> 01:05:05,730

throughout the galaxy

1549

01:05:10,820 --> 01:05:08,670

right there may be a singular event that

1550

01:05:13,160 --> 01:05:10,830

carried the same organisms hmm

1551

01:05:17,780 --> 01:05:13,170

interesting what do you say to that

1552

01:05:20,210 --> 01:05:17,790

Michael okay well I think that would

1553

01:05:21,860 --> 01:05:20,220

apply if it was something like DNA I

1554

01:05:23,840 --> 01:05:21,870

mean once you if you start with

1555

01:05:25,370 --> 01:05:23,850

something simple as a cell or a virus

1556

01:05:26,990 --> 01:05:25,380

there's no reason why you're going to

1557

01:05:28,790 --> 01:05:27,000

end up with bipedalism there's nothing

1558

01:05:30,680 --> 01:05:28,800

special about bipedalism effect it's

1559

01:05:33,230 --> 01:05:30,690

it's really not all that great as

1560

01:05:36,860 --> 01:05:33,240

evidenced by our bad knees and bad backs

1561

01:05:39,560 --> 01:05:36,870

and so on Quadra peel ISM you know and

1562

01:05:42,170 --> 01:05:39,570

and the whole tetrapod for limbs as they

1563

01:05:45,890 --> 01:05:42,180

evolved from fish amphibians to you know

1564

01:05:48,260 --> 01:05:45,900

land dwelling mammals you know are

1565

01:05:52,070 --> 01:05:48,270

designed for a particular reason that is

1566

01:05:54,410 --> 01:05:52,080

is not that well-suited for the land in

1567

01:05:55,760 --> 01:05:54,420

others there's no reason why that would

1568

01:05:57,590 --> 01:05:55,770

be the particular way it would come

1569

01:06:00,500 --> 01:05:57,600

about on another plan

1570

01:06:02,390 --> 01:06:00,510

so but but if if we found life on

1571

01:06:05,240 --> 01:06:02,400

another planet that was also a double

1572

01:06:07,610 --> 01:06:05,250

helix that is the replicating molecules

1573

01:06:09,380 --> 01:06:07,620

or double helix like our DNA that would

1574

01:06:12,050 --> 01:06:09,390

be pretty suspicious the chances of that

1575

01:06:14,270 --> 01:06:12,060

happening either the laws of nature

1576

01:06:16,520 --> 01:06:14,280

inevitably lead to that would be one

1577

01:06:19,430 --> 01:06:16,530

conclusion or we have a common origin

1578

01:06:20,690 --> 01:06:19,440

let's say we found life on Mars and it

1579

01:06:23,930 --> 01:06:20,700

was you know the same kind of

1580

01:06:25,820 --> 01:06:23,940

self-replicating molecules DNA double

1581

01:06:28,370 --> 01:06:25,830

helix that we have here that would be

1582

01:06:30,470 --> 01:06:28,380

strongly suspicious that that there's a

1583

01:06:32,810 --> 01:06:30,480

single origin of those two life-forms

1584

01:06:36,080 --> 01:06:32,820

which is why Paul Davies proposes that

1585

01:06:38,990 --> 01:06:36,090

we look for light extraterrestrial life

1586

01:06:41,240 --> 01:06:39,000

here on earth that is a second Genesis a

1587

01:06:44,540 --> 01:06:41,250

different kind of life-form of a

1588

01:06:46,760 --> 01:06:44,550

life-form that's not based on DNA it has

1589

01:06:48,530 --> 01:06:46,770

some other self-replicating that that

1590

01:06:50,860 --> 01:06:48,540

would be an example of either a second

1591

01:06:54,470 --> 01:06:50,870

Genesis on earth or an extraterrestrial

1592

01:06:57,080 --> 01:06:54,480

panspermia type event so you know

1593

01:07:01,190 --> 01:06:57,090

doesn't like the octopus maybe not being

1594

01:07:03,260 --> 01:07:01,200

the firmly known you know not coming

1595

01:07:05,930 --> 01:07:03,270

from any known species before and I saw

1596

01:07:08,450 --> 01:07:05,940

a recent article I believe in science

1597

01:07:10,160 --> 01:07:08,460

that said that the octopus didn't seem

1598

01:07:12,860 --> 01:07:10,170

to evolve from anything and seemed to be

1599

01:07:15,620 --> 01:07:12,870

a separate species of its own well

1600

01:07:17,750 --> 01:07:15,630

certainly a separate species but but no

1601

01:07:19,940 --> 01:07:17,760

no we know the origins of of octopi

1602

01:07:22,010 --> 01:07:19,950

they're just really unusual creatures

1603

01:07:24,230 --> 01:07:22,020

and apparently a lot smarter than we

1604

01:07:25,700 --> 01:07:24,240

previously thought they have a lot of

1605

01:07:27,680 --> 01:07:25,710

their intelligence built throughout

1606

01:07:29,840 --> 01:07:27,690

their whole body not in a particular

1607

01:07:31,250 --> 01:07:29,850

head unit like we do but spread

1608

01:07:32,920 --> 01:07:31,260

throughout their tentacles

1609

01:07:35,120 --> 01:07:32,930

you know the whole nervous system is

1610

01:07:37,910 --> 01:07:35,130

it's more like a distributed

1611

01:07:38,900 --> 01:07:37,920

intelligence and that brings us back to

1612

01:07:40,490 --> 01:07:38,910

that previous question we were

1613

01:07:42,710 --> 01:07:40,500

discussing earlier about what life would

1614

01:07:44,630 --> 01:07:42,720

be like on another planet again we're

1615

01:07:47,510 --> 01:07:44,640

not just carbon chauvinist as Sagan said

1616

01:07:49,580 --> 01:07:47,520

or bipedal chauvinist like I said but

1617

01:07:51,800 --> 01:07:49,590

yeah but even what what would

1618

01:07:54,380 --> 01:07:51,810

intelligence look like what why does it

1619

01:07:57,800 --> 01:07:54,390

have to be a brain yeah why do you have

1620

01:08:00,470 --> 01:07:57,810

to have it all in one mass as you just

1621

01:08:01,850 --> 01:08:00,480

pointed out the octopus is smart and it

1622

01:08:03,470 --> 01:08:01,860

doesn't really have a brain anything

1623

01:08:05,990 --> 01:08:03,480

like ours that intelligence is

1624

01:08:08,330 --> 01:08:06,000

distributed through its its body you

1625

01:08:11,359 --> 01:08:08,340

know so maybe it's like that on on some

1626

01:08:13,279 --> 01:08:11,369

other planet sure you know the the thing

1627

01:08:15,289 --> 01:08:13,289

that comes up as if there are a lot of

1628

01:08:17,329 --> 01:08:15,299

planets in the Goldilocks zone that have

1629

01:08:20,419 --> 01:08:17,339

similar properties or same distance from

1630

01:08:22,280 --> 01:08:20,429

the Sun and are bombarded through plans

1631

01:08:25,039 --> 01:08:22,290

permeate through with the same type of

1632

01:08:27,050 --> 01:08:25,049

organic or DNA material then you might

1633

01:08:30,470 --> 01:08:27,060

have some other characteristics between

1634

01:08:32,990 --> 01:08:30,480

those species that at all correct that's

1635

01:08:37,789 --> 01:08:33,000

right so that's the idea of a convergent

1636

01:08:39,079 --> 01:08:37,799

evolution you know there there's that

1637

01:08:42,919 --> 01:08:39,089

there's certain similarities between

1638

01:08:45,079 --> 01:08:42,929

species because of their ancestry so

1639

01:08:47,479 --> 01:08:45,089

like I mentioned the tetrapod for limb

1640

01:08:49,129 --> 01:08:47,489

you know our arm your arm that you know

1641

01:08:51,050 --> 01:08:49,139

has the single bone and then double

1642

01:08:52,849 --> 01:08:51,060

bones the ulnar and radius and then the

1643

01:08:55,329 --> 01:08:52,859

carpals metacarpals and phalanges your

1644

01:08:58,399 --> 01:08:55,339

wrist bone and and hand and finger bones

1645

01:09:00,229 --> 01:08:58,409

those are actually quite similar to lots

1646

01:09:04,760 --> 01:09:00,239

of other species including my dog who's

1647

01:09:06,229 --> 01:09:04,770

barking at the moment he's not an

1648

01:09:10,459 --> 01:09:06,239

extraterrestrial but he thinks he is

1649

01:09:14,539 --> 01:09:10,469

sometimes I'm moving the other room here

1650

01:09:16,249 --> 01:09:14,549

the you know so there's one reason

1651  
01:09:18,229 --> 01:09:16,259  
that's one reason why species tend to

1652  
01:09:20,419 --> 01:09:18,239  
look alike because they have common

1653  
01:09:22,309 --> 01:09:20,429  
ancestors the other reason is is they

1654  
01:09:24,050 --> 01:09:22,319  
they evolved in a similar environment so

1655  
01:09:25,340 --> 01:09:24,060  
I mentioned that you know if you want to

1656  
01:09:28,550 --> 01:09:25,350  
fly in the air you have to have

1657  
01:09:30,349 --> 01:09:28,560  
something like a wing it's aerodynamic

1658  
01:09:32,629 --> 01:09:30,359  
and you know and so on you have to have

1659  
01:09:35,180 --> 01:09:32,639  
bones that are super lightweight and you

1660  
01:09:38,059 --> 01:09:35,190  
know so bats and pterodactyls and birds

1661  
01:09:41,209 --> 01:09:38,069  
no relationship at all except for way

1662  
01:09:43,010 --> 01:09:41,219  
way back evolutionarily wise but have

1663  
01:09:45,169 --> 01:09:43,020

similar wing structures simply because

1664

01:09:47,959 --> 01:09:45,179

that's what you need to fly and fish all

1665

01:09:50,349 --> 01:09:47,969

have fusiform bodies as do marine

1666

01:09:52,640 --> 01:09:50,359

mammals even though they're not related

1667

01:09:54,050 --> 01:09:52,650

evolutionarily they look alike because

1668

01:09:56,979 --> 01:09:54,060

that's what you have to look like to

1669

01:09:59,959 --> 01:09:56,989

move through water with any speed at all

1670

01:10:02,120 --> 01:09:59,969

so yeah you know again if a planet

1671

01:10:03,919 --> 01:10:02,130

another planet had water and there were

1672

01:10:05,830 --> 01:10:03,929

creatures in it they're gonna have to

1673

01:10:08,360 --> 01:10:05,840

look something like fish if they move

1674

01:10:10,459 --> 01:10:08,370

alright then well thanks so much up

1675

01:10:12,410 --> 01:10:10,469

Michael I feel like we're gonna run out

1676

01:10:14,090 --> 01:10:12,420

of time it's and you know I know we have

1677

01:10:15,979 --> 01:10:14,100

45 minutes left but it seems like I've

1678

01:10:18,229 --> 01:10:15,989

got a million questions I want to ask

1679

01:10:19,640 --> 01:10:18,239

you and one of the things up I heard you

1680

01:10:23,000 --> 01:10:19,650

bring up a Roswell of course I want to

1681

01:10:25,280 --> 01:10:23,010

talk about that but also I want to talk

1682

01:10:29,330 --> 01:10:25,290

about I I produce

1683

01:10:32,350 --> 01:10:29,340

on another show of and I also Seth

1684

01:10:35,630 --> 01:10:32,360

Shostak also said about the observer

1685

01:10:37,940 --> 01:10:35,640

doesn't hold up but I want to just tell

1686

01:10:40,370 --> 01:10:37,950

you quickly about my sighting and just I

1687

01:10:44,480 --> 01:10:40,380

want you to tell me that I'm crazy for

1688

01:10:47,270 --> 01:10:44,490

seeing what I did and I I'm someone who

1689

01:10:49,520 --> 01:10:47,280

in my field of fine arts and antiques I

1690

01:10:52,520 --> 01:10:49,530

also a fennec eight documents I

1691

01:10:54,530 --> 01:10:52,530

authenticate paintings so I'm I really

1692

01:10:57,890 --> 01:10:54,540

really pay attention when I'm looking at

1693

01:10:59,930 --> 01:10:57,900

something and what had happened was back

1694

01:11:02,660 --> 01:10:59,940

in 2006 I was out your way I was in

1695

01:11:04,040 --> 01:11:02,670

Carmel Valley sitting in a hot tub I was

1696

01:11:06,620 --> 01:11:04,050

not drinking course that's the first

1697

01:11:08,780 --> 01:11:06,630

thing someone asked I wasn't drinking on

1698

01:11:11,870 --> 01:11:08,790

any substance at all it was dusk and

1699

01:11:14,440 --> 01:11:11,880

this disc came right over my head it

1700

01:11:18,290 --> 01:11:14,450

probably may be a thousand feet up

1701

01:11:21,440 --> 01:11:18,300

perfectly round shaped like a silver

1702

01:11:23,240 --> 01:11:21,450

dollar with like a bluish glow and the

1703

01:11:24,920 --> 01:11:23,250

thing that astonished me the most about

1704

01:11:27,170 --> 01:11:24,930

the whole situation was that there was

1705

01:11:30,050 --> 01:11:27,180

absolutely no sound at all and it

1706

01:11:31,850 --> 01:11:30,060

stopped it it can I wouldn't want to

1707

01:11:34,160 --> 01:11:31,860

guess the how fast it was going wasn't

1708

01:11:36,200 --> 01:11:34,170

going super fast but it stopped and then

1709

01:11:38,510 --> 01:11:36,210

it made a perfect 45-degree angle out

1710

01:11:39,920 --> 01:11:38,520

toward Monterey I called the police

1711

01:11:42,110 --> 01:11:39,930

department I didn't know how to report

1712

01:11:45,320 --> 01:11:42,120

it and all that but I just want I want

1713

01:11:48,080 --> 01:11:45,330

to hear how you would think something

1714

01:11:51,770 --> 01:11:48,090

like that could be explained in an in a

1715

01:11:53,350 --> 01:11:51,780

prosaic way oh boy well you know it's

1716

01:11:56,600 --> 01:11:53,360

hard to say because I wasn't there and

1717

01:11:57,740 --> 01:11:56,610

you know I'd like to have seen it so you

1718

01:11:59,930 --> 01:11:57,750

think it's around not trying

1719

01:12:03,260 --> 01:11:59,940

triangular-shaped yeah there's a lot of

1720

01:12:05,170 --> 01:12:03,270

triangle UFOs being reported right now

1721

01:12:08,720 --> 01:12:05,180

but this one was the old-fashioned I

1722

01:12:10,400 --> 01:12:08,730

guess the flying saucer if you will yeah

1723

01:12:12,200 --> 01:12:10,410

and that's what really got me into this

1724

01:12:15,530 --> 01:12:12,210

you know doing this show and everything

1725

01:12:17,840 --> 01:12:15,540

was yep yep I don't know you know maybe

1726

01:12:19,310 --> 01:12:17,850

there's one explanation I don't know

1727

01:12:21,860 --> 01:12:19,320

about for yours but for these kinds of

1728

01:12:23,540 --> 01:12:21,870

things is experimental aircraft either

1729

01:12:25,760 --> 01:12:23,550

private experimental aircraft or

1730

01:12:27,140 --> 01:12:25,770

government you know we didn't know what

1731

01:12:29,930 --> 01:12:27,150

this we didn't know about the u-2 spy

1732

01:12:32,960 --> 01:12:29,940

plane until you know you're the one got

1733

01:12:34,430 --> 01:12:32,970

shot down and we didn't know about the

1734

01:12:36,440 --> 01:12:34,440

stealth bomber so that was made public

1735

01:12:38,850 --> 01:12:36,450

now we see I see it every year flies

1736

01:12:40,229 --> 01:12:38,860

over my house on January 1st

1737

01:12:43,439 --> 01:12:40,239

over the Rose Parade and I live in

1738

01:12:45,030 --> 01:12:43,449

Pasadena and you know so that always oh

1739

01:12:46,770 --> 01:12:45,040

these things always make me wonder well

1740

01:12:48,330 --> 01:12:46,780

what else have they got that they if

1741

01:12:50,070 --> 01:12:48,340

they're flying now that we don't know

1742

01:12:52,320 --> 01:12:50,080

about that's you know super cool

1743

01:12:54,870 --> 01:12:52,330

technology it's stealthy it's this it's

1744

01:12:56,490 --> 01:12:54,880

that and you know they're had there were

1745

01:12:59,250 --> 01:12:56,500

experiments in the 50s with you know

1746

01:13:01,050 --> 01:12:59,260

saucer-shaped airplanes and so on they

1747

01:13:03,270 --> 01:13:01,060

never became commercial but they're

1748

01:13:04,229 --> 01:13:03,280

examples you can see them online you

1749

01:13:05,640 --> 01:13:04,239

know maybe it was something like that

1750

01:13:08,790 --> 01:13:05,650

I don't know you know it's just hard to

1751

01:13:10,649 --> 01:13:08,800

say I mean the propulsion part of it is

1752

01:13:13,050 --> 01:13:10,659

what really baffled me the most like how

1753

01:13:15,300 --> 01:13:13,060

could it move without making any sound

1754

01:13:16,649 --> 01:13:15,310

at all if we figured that out I've heard

1755

01:13:18,240 --> 01:13:16,659

you say before that you know the

1756

01:13:20,100 --> 01:13:18,250

government can't keep secrets it seems

1757

01:13:22,800 --> 01:13:20,110

like that technology would be out there

1758

01:13:25,979 --> 01:13:22,810

well yeah I'm gonna modify that I used

1759

01:13:29,070 --> 01:13:25,989

to say that it's true but when I read

1760

01:13:31,620 --> 01:13:29,080

Ben Rich's book about the skunk works

1761

01:13:34,680 --> 01:13:31,630

uh-huh developed the u-2 spy plane and

1762

01:13:36,780 --> 01:13:34,690

the and the sr-71 blackbird in Burbank

1763

01:13:38,370 --> 01:13:36,790

you know that's right in LA you know

1764

01:13:40,709 --> 01:13:38,380

it's like none of us knew about that so

1765

01:13:41,910 --> 01:13:40,719

governments can keep secrets and not

1766

01:13:43,140 --> 01:13:41,920

necessarily very good about it

1767

01:13:46,379 --> 01:13:43,150

particularly when you have things like

1768

01:13:48,240 --> 01:13:46,389

WikiLeaks and and you know Snowden and

1769

01:13:50,580 --> 01:13:48,250

the NSA and all that we we eventually do

1770

01:13:51,600 --> 01:13:50,590

find out about these things so it could

1771

01:13:52,979 --> 01:13:51,610

be you know experimental aircraft

1772

01:13:55,590 --> 01:13:52,989

something like that you know when the

1773

01:13:57,000 --> 01:13:55,600

stealth bomber is coming at you it is

1774

01:13:58,890 --> 01:13:57,010

silent you can't hear it

1775

01:14:01,649 --> 01:13:58,900

when it goes over and past then you hear

1776

01:14:03,149 --> 01:14:01,659

the the engines but you know but I mean

1777

01:14:05,550 --> 01:14:03,159

you describe it as moving away from you

1778

01:14:07,290 --> 01:14:05,560

from Carmel Valley out to Monterey I

1779

01:14:10,649 --> 01:14:07,300

know that area very well I used to

1780

01:14:13,050 --> 01:14:10,659

bicycle up there all the time and yeah

1781

01:14:15,000 --> 01:14:13,060

so you know I don't know I'm trying to

1782

01:14:16,950 --> 01:14:15,010

remember if there's any Air Force bases

1783

01:14:21,390 --> 01:14:16,960

near there's a Navy base right in

1784

01:14:23,490 --> 01:14:21,400

Monterey yeah that's okay yeah yeah all

1785

01:14:24,930 --> 01:14:23,500

right well here's so I would say you're

1786

01:14:27,030 --> 01:14:24,940

not crazy I don't think you were

1787

01:14:30,030 --> 01:14:27,040

hallucinating in the hot tub I seriously

1788

01:14:32,340 --> 01:14:30,040

doubt that as an explanation I think

1789

01:14:34,410 --> 01:14:32,350

that's more for you know like abduction

1790

01:14:36,780 --> 01:14:34,420

experiences I think most most the time

1791

01:14:38,939 --> 01:14:36,790

when people see something that they call

1792

01:14:40,590 --> 01:14:38,949

a UFO it's actually something in the in

1793

01:14:44,340 --> 01:14:40,600

the atmosphere it's in space it's

1794

01:14:45,930 --> 01:14:44,350

whatever you know I got a I got admit I

1795

01:14:47,879 --> 01:14:45,940

was on the fence when I first served the

1796

01:14:50,609 --> 01:14:47,889

show about abduction accounts totally on

1797

01:14:52,810 --> 01:14:50,619

the fence about it and and you know to

1798

01:14:55,780 --> 01:14:52,820

be honest I didn't even believe they

1799

01:14:58,649 --> 01:14:55,790

they were possible or happened or a part

1800

01:15:03,729 --> 01:14:58,659

of reality or anything like that but

1801

01:15:06,939 --> 01:15:03,739

then I met Travis Walton and I really I

1802

01:15:09,280 --> 01:15:06,949

don't have any doubts about Travis

1803

01:15:11,890 --> 01:15:09,290

Walton when I'm speaking to a Maitai and

1804

01:15:13,689 --> 01:15:11,900

his story I just wondered if you ever

1805

01:15:16,060 --> 01:15:13,699

looked into that particular case I have

1806

01:15:18,490 --> 01:15:16,070

absolutely I've met him he and I were on

1807

01:15:21,339 --> 01:15:18,500

a TV show together and I spent some time

1808

01:15:24,339 --> 01:15:21,349

with him and one yes I concur he's a

1809

01:15:26,859 --> 01:15:24,349

super nice guy comes off very reasonable

1810

01:15:29,770 --> 01:15:26,869

and and seems like a thoughtful guy

1811

01:15:30,939 --> 01:15:29,780

doesn't seem crazy or poor or deceptive

1812

01:15:33,370 --> 01:15:30,949

or anything like that on the other hand

1813

01:15:34,689 --> 01:15:33,380

I don't buy a story I just don't I just

1814

01:15:36,490 --> 01:15:34,699

don't buy it I you know I don't know if

1815

01:15:39,339 --> 01:15:36,500

he's making it up or if he's you know

1816

01:15:41,169 --> 01:15:39,349

confabulated or or misremember I don't

1817

01:15:43,569 --> 01:15:41,179

know I you know it's hard to say what's

1818

01:15:44,859 --> 01:15:43,579

inside somebody's head but I just don't

1819

01:15:46,660 --> 01:15:44,869

buy the story I mean there's too many

1820

01:15:49,510 --> 01:15:46,670

holes in it you know the pressure to get

1821

01:15:52,479 --> 01:15:49,520

the job done he was late and you know

1822

01:15:53,979 --> 01:15:52,489

and you know the inconsistencies and the

1823

01:15:55,629 --> 01:15:53,989

stories with you know some of the

1824

01:15:58,660 --> 01:15:55,639

buddies and other people that try to

1825

01:16:00,010 --> 01:15:58,670

confirm it including his employers you

1826

01:16:01,660 --> 01:16:00,020

know there was there's too many holes in

1827

01:16:03,580 --> 01:16:01,670

it for me I I think there was something

1828

01:16:05,169 --> 01:16:03,590

else going on there I had to call

1829

01:16:07,479 --> 01:16:05,179

somebody a liar and say well he made it

1830

01:16:08,979 --> 01:16:07,489

up but you know I think I don't know

1831

01:16:10,770 --> 01:16:08,989

what the right way to say it is he

1832

01:16:13,720 --> 01:16:10,780

confabulate it or you know I don't know

1833

01:16:15,850 --> 01:16:13,730

well you know one of the things I don't

1834

01:16:18,459 --> 01:16:15,860

know how deeply you spoke to him but one

1835

01:16:20,500 --> 01:16:18,469

of the things I really really got from

1836

01:16:22,589 --> 01:16:20,510

him is he wished that it never happened

1837

01:16:26,140 --> 01:16:22,599

to him and I really believe that's

1838

01:16:28,479 --> 01:16:26,150

that's true also what about the five

1839

01:16:31,180 --> 01:16:28,489

days he was missing them looking for him

1840

01:16:35,350 --> 01:16:31,190

do you think he was just hiding

1841

01:16:37,419 --> 01:16:35,360

somewhere what woody maybe yeah you know

1842

01:16:39,609 --> 01:16:37,429

it's like people are we surprised that

1843

01:16:41,709 --> 01:16:39,619

people make stuff up or hide or do

1844

01:16:44,109 --> 01:16:41,719

whatever but that it happens all the

1845

01:16:45,729 --> 01:16:44,119

time I mean people just make stuff up

1846

01:16:48,010 --> 01:16:45,739

they do they lie all the time to get

1847

01:16:49,600 --> 01:16:48,020

caught all the time and you have only to

1848

01:16:51,850 --> 01:16:49,610

look at you know political history of

1849

01:16:54,490 --> 01:16:51,860

America to know that and and and those

1850

01:16:56,200 --> 01:16:54,500

are professionals you know but in other

1851  
01:16:58,720 --> 01:16:56,210  
walks of life yeah people just make

1852  
01:17:01,330 --> 01:16:58,730  
stuff up it's been one of the sort of

1853  
01:17:03,640 --> 01:17:01,340  
enlightened discoveries I've made by

1854  
01:17:05,160 --> 01:17:03,650  
just dint of getting older and more

1855  
01:17:06,990 --> 01:17:05,170  
experienced in

1856  
01:17:09,000 --> 01:17:07,000  
dealing with people that cannot be

1857  
01:17:11,220 --> 01:17:09,010  
people just lie people you know people

1858  
01:17:13,500 --> 01:17:11,230  
that you trust they just look you right

1859  
01:17:15,540 --> 01:17:13,510  
in the eye and they lie and it's amazing

1860  
01:17:17,570 --> 01:17:15,550  
to me but it's true and we know from the

1861  
01:17:21,110 --> 01:17:17,580  
research particularly like by Dan Ariely

1862  
01:17:24,510 --> 01:17:21,120  
at Duke that you know people lie about

1863  
01:17:26,100 --> 01:17:24,520

10 to 15 percent now that is to say if

1864

01:17:27,720 --> 01:17:26,110

you give them these tasks in which they

1865

01:17:28,680 --> 01:17:27,730

have to turn in a little answer sheet

1866

01:17:30,570 --> 01:17:28,690

and they get paid for the number of

1867

01:17:33,870 --> 01:17:30,580

correct answers let's - Duke who kind of

1868

01:17:35,400 --> 01:17:33,880

like puzzle you know which it's

1869

01:17:37,080 --> 01:17:35,410

impossible to get the number that they

1870

01:17:38,790 --> 01:17:37,090

say that they get you know they but they

1871

01:17:40,530 --> 01:17:38,800

don't make huge lies they don't like

1872

01:17:42,390 --> 01:17:40,540

like lie a hundred percent you know

1873

01:17:43,950 --> 01:17:42,400

double the the number that they got

1874

01:17:46,200 --> 01:17:43,960

right they don't they lie about 10 to 15

1875

01:17:48,090 --> 01:17:46,210

percent we know from studies on personal

1876

01:17:49,560 --> 01:17:48,100

ads that people put on dating sites you

1877

01:17:52,350 --> 01:17:49,570

know everybody exaggerates their height

1878

01:17:54,360 --> 01:17:52,360

they their weight their income you know

1879

01:17:56,970 --> 01:17:54,370

you know various things about 10 or 15

1880

01:17:58,919 --> 01:17:56,980

percent so people just we all lie we all

1881

01:18:01,470 --> 01:17:58,929

lie a lot regularly pretty much daily

1882

01:18:03,120 --> 01:18:01,480

and then you know and then you know

1883

01:18:04,830 --> 01:18:03,130

sometimes people just make up whoppers

1884

01:18:07,400 --> 01:18:04,840

there's you know what about what about

1885

01:18:11,970 --> 01:18:07,410

the polygraph test that everyone passed

1886

01:18:13,380 --> 01:18:11,980

one was well neutral yeah well first of

1887

01:18:14,340 --> 01:18:13,390

all we I'm skeptical of the polygraph

1888

01:18:15,959 --> 01:18:14,350

entirely

1889

01:18:17,280 --> 01:18:15,969

you know I've we've debunked that and

1890

01:18:19,020 --> 01:18:17,290

skeptic I've done TV shows in the

1891

01:18:20,430 --> 01:18:19,030

polygraph I can tell your listeners how

1892

01:18:21,540 --> 01:18:20,440

to beat the polygraph it's pretty easy

1893

01:18:23,580 --> 01:18:21,550

to do

1894

01:18:25,350 --> 01:18:23,590

because yeah but you have to know how to

1895

01:18:29,189 --> 01:18:25,360

beat it you know these are these are

1896

01:18:32,090 --> 01:18:29,199

just kids I don't know I think we're

1897

01:18:34,530 --> 01:18:32,100

going to agree to disagree on Travis I I

1898

01:18:36,300 --> 01:18:34,540

would someone up on the message board

1899

01:18:38,160 --> 01:18:36,310

one to know why you think he was lying

1900

01:18:42,810 --> 01:18:38,170

what what part made you think he was

1901

01:18:44,520 --> 01:18:42,820

lying well you know the motives for

1902

01:18:46,800 --> 01:18:44,530

lying were there's late for the job

1903

01:18:49,080 --> 01:18:46,810

wasn't going to get paid and so on but

1904

01:18:50,939 --> 01:18:49,090

more to the point you know just the

1905

01:18:53,310 --> 01:18:50,949

improbability of what it is he says

1906

01:18:55,950 --> 01:18:53,320

happened you know it's just it's an

1907

01:19:00,570 --> 01:18:55,960

extraordinary claim and the evidence was

1908

01:19:02,250 --> 01:19:00,580

in my opinion not extraordinary well it

1909

01:19:05,100 --> 01:19:02,260

just seemed like there's an awful lot on

1910

01:19:07,830 --> 01:19:05,110

the line just for being late for work

1911

01:19:09,360 --> 01:19:07,840

well that's true but you know there's a

1912

01:19:11,250 --> 01:19:09,370

lot of motives people have that are not

1913

01:19:13,320 --> 01:19:11,260

obvious as well I mean why would it

1914

01:19:14,760 --> 01:19:13,330

alien an abductee make up a story about

1915

01:19:17,130 --> 01:19:14,770

that because they're it's embarrassing

1916

01:19:18,930 --> 01:19:17,140

or whatever well but but people get a

1917

01:19:19,230 --> 01:19:18,940

lot of value out of the attention that

1918

01:19:25,770 --> 01:19:19,240

they

1919

01:19:27,450 --> 01:19:25,780

has it's not the money we wrote a book

1920

01:19:28,950 --> 01:19:27,460

and made a movie made a lot of money I

1921

01:19:31,830 --> 01:19:28,960

don't I really don't think that's the

1922

01:19:33,900 --> 01:19:31,840

motive that most people have it's it's

1923

01:19:37,350 --> 01:19:33,910

just you know this I don't know it's the

1924

01:19:38,730 --> 01:19:37,360

fantasy it's like when I met together

1925

01:19:40,740 --> 01:19:38,740

wrote communion

1926

01:19:42,480 --> 01:19:40,750

you know Whitley cerebral yeah Willy's

1927

01:19:44,220 --> 01:19:42,490

Reaper yeah I met him on Bill Maher so

1928

01:19:46,230 --> 01:19:44,230

actually the old show politically

1929

01:19:48,660 --> 01:19:46,240

incorrect back in the late 90s we were

1930

01:19:51,060 --> 01:19:48,670

both on and in the greenroom and he

1931

01:19:53,010 --> 01:19:51,070

again seemed like a super nice guy

1932

01:19:54,690 --> 01:19:53,020

and you know not the kind of guy that

1933

01:19:56,640 --> 01:19:54,700

would make stuff up or whatever but you

1934

01:19:58,740 --> 01:19:56,650

know we got another call coming and hang

1935

01:20:01,920 --> 01:19:58,750

on just a minute please

1936

01:20:03,960 --> 01:20:01,930

I'm not done with Travis either hello

1937

01:20:06,780 --> 01:20:03,970

caller please identify yourself and pose

1938

01:20:11,010 --> 01:20:06,790

a question hi my name is Peggy from Las

1939

01:20:14,130 --> 01:20:11,020

Vegas hey Peggy how are you I'm good

1940

01:20:14,880 --> 01:20:14,140

good I'm mad now I want to talk to mr.

1941

01:20:19,020 --> 01:20:14,890

Shermer

1942

01:20:19,520 --> 01:20:19,030

all right you do that hi Michael hi

1943

01:20:22,500 --> 01:20:19,530

there

1944

01:20:24,930 --> 01:20:22,510

Michael I think I'm old and I'm cranky

1945

01:20:27,410 --> 01:20:24,940

so I might come across crankier than I

1946

01:20:32,520 --> 01:20:27,420

actually a.m.

1947

01:20:34,080 --> 01:20:32,530

probably not what you say although you

1948

01:20:35,730 --> 01:20:34,090

know it's defending you at first and I

1949

01:20:38,100 --> 01:20:35,740

think there's a lot of Merit in your

1950

01:20:44,510 --> 01:20:38,110

argument but as the time goes on you

1951

01:20:49,230 --> 01:20:44,520

begin to kind of adapt a adopt a

1952

01:20:52,560 --> 01:20:49,240

superior superiority tone and pretty

1953

01:20:56,730 --> 01:20:52,570

much start debunking debunking the

1954

01:20:58,350 --> 01:20:56,740

dunking debunking almost like here's

1955

01:21:01,050 --> 01:20:58,360

what I'm hearing I don't want to believe

1956

01:21:02,520 --> 01:21:01,060

in this so I'm not even going to listen

1957

01:21:07,470 --> 01:21:02,530

to it I'm just going to reach for any

1958

01:21:11,580 --> 01:21:07,480

excuse I can possibly think of to show

1959

01:21:15,870 --> 01:21:11,590

how this cannot be true well I'm hit

1960

01:21:20,490 --> 01:21:15,880

I've had sleep paralysis my whole life

1961

01:21:22,410 --> 01:21:20,500

I'm very old I've never seen aliens okay

1962

01:21:24,390 --> 01:21:22,420

yeah well not everybody does what have

1963

01:21:28,830 --> 01:21:24,400

you what what is your sense presents

1964

01:21:31,110 --> 01:21:28,840

been what did my what well what was your

1965

01:21:31,830 --> 01:21:31,120

experience in sleep paralysis what did

1966

01:21:33,120 --> 01:21:31,840

you experience

1967

01:21:38,760 --> 01:21:33,130

oh I just

1968

01:21:40,740 --> 01:21:38,770

no that's all yeah case but some people

1969

01:21:43,020 --> 01:21:40,750

have more than that they report I

1970

01:21:47,820 --> 01:21:43,030

understand I understand that but I don't

1971

01:21:49,800 --> 01:21:47,830

think you can write off all alien I'm

1972

01:21:55,640 --> 01:21:49,810

sure some of the people are crazy some

1973

01:21:58,800 --> 01:21:55,650

of the people have sleep paralysis pee

1974

01:22:01,260 --> 01:21:58,810

are you even open to the possibility

1975

01:22:04,320 --> 01:22:01,270

that any of these things happened if you

1976

01:22:07,500 --> 01:22:04,330

don't sound like you are well well when

1977

01:22:09,800 --> 01:22:07,510

our hosts just explained his UFO

1978

01:22:12,270 --> 01:22:09,810

sighting experience I said I don't know

1979

01:22:14,820 --> 01:22:12,280

no you did say you didn't know but you

1980

01:22:16,980 --> 01:22:14,830

came up with the fact that stealth

1981

01:22:19,920 --> 01:22:16,990

bombers don't make any noise well he

1982

01:22:22,560 --> 01:22:19,930

asked the host asked what would be a

1983

01:22:25,770 --> 01:22:22,570

possible prison explanation and I gave

1984

01:22:27,870 --> 01:22:25,780

one I don't have any is there anything

1985

01:22:31,830 --> 01:22:27,880

that piques your interest in the UFO

1986

01:22:32,730 --> 01:22:31,840

field any sightings well I think Roswell

1987

01:22:35,670 --> 01:22:32,740

is one of the more interesting ones

1988

01:22:39,720 --> 01:22:35,680

because it didn't become Roswell until

1989

01:22:42,450 --> 01:22:39,730

the 1980s you know in in the in the 70s

1990

01:22:44,820 --> 01:22:42,460

there would say in the 60s there was a

1991

01:22:46,350 --> 01:22:44,830

study published about them I was just

1992

01:22:48,600 --> 01:22:46,360

say in the 50s there was study published

1993

01:22:52,800 --> 01:22:48,610

about the most prominent sightings of

1994

01:22:55,770 --> 01:22:52,810

the 1940s and the top500 and Roswell

1995

01:22:57,660 --> 01:22:55,780

wasn't even on the list and so winded

1996

01:23:01,650 --> 01:22:57,670

Roswell become Roswell and the answer is

1997

01:23:04,440 --> 01:23:01,660

after a film was made based on a

1998

01:23:06,120 --> 01:23:04,450

best-selling book right right and so it

1999

01:23:07,890 --> 01:23:06,130

really the Roswell story is not about

2000

01:23:09,990 --> 01:23:07,900

aliens an extraterrestrial it's about

2001  
01:23:11,700 --> 01:23:10,000  
myth-making it's about how stories take

2002  
01:23:14,520 --> 01:23:11,710  
on a life of their own and how people

2003  
01:23:18,060 --> 01:23:14,530  
add to the story and you're in your mind

2004  
01:23:20,570 --> 01:23:18,070  
it's a myth oh yes absolutely because we

2005  
01:23:24,690 --> 01:23:20,580  
know what what it was it was a hit

2006  
01:23:26,960 --> 01:23:24,700  
Oh Peggy I'm gonna take over from here

2007  
01:23:30,090 --> 01:23:26,970  
because I do want to talk about Roswell

2008  
01:23:31,230 --> 01:23:30,100  
alright okay fine thanks for the call

2009  
01:23:34,830 --> 01:23:31,240  
okay bye

2010  
01:23:36,660 --> 01:23:34,840  
so I I have I have my opinions on

2011  
01:23:39,330 --> 01:23:36,670  
Roswell and of course I could have let

2012  
01:23:42,510 --> 01:23:39,340  
Peggy you know on but I I do want to

2013  
01:23:44,790 --> 01:23:42,520

hear your side of it and I'll start out

2014

01:23:46,940 --> 01:23:44,800

by saying this why would the Army Air

2015

01:23:50,600 --> 01:23:46,950

Force post the story that they

2016

01:23:57,110 --> 01:23:50,610

posted saying that they captured a disk

2017

01:23:59,450 --> 01:23:57,120

or a flying saucer right well I mean

2018

01:24:02,420 --> 01:23:59,460

again if Roswell is such a big thing how

2019

01:24:04,100 --> 01:24:02,430

come it was not a big thing until you

2020

01:24:06,980 --> 01:24:04,110

know until the 1980s

2021

01:24:09,710 --> 01:24:06,990

okay I'll address that from what I know

2022

01:24:11,780 --> 01:24:09,720

is this was right after World War two

2023

01:24:14,150 --> 01:24:11,790

everyone really respected the government

2024

01:24:17,210 --> 01:24:14,160

we won the war blah blah blah they paid

2025

01:24:20,510 --> 01:24:17,220

attention if someone said do not talk

2026

01:24:22,940 --> 01:24:20,520

about it they kept their word and so

2027

01:24:25,400 --> 01:24:22,950

many people once the cat was let out of

2028

01:24:28,220 --> 01:24:25,410

the bag in the early 80s late 70s early

2029

01:24:30,950 --> 01:24:28,230

80s whenever it was then you know people

2030

01:24:34,430 --> 01:24:30,960

set up other well this was one account

2031

01:24:38,570 --> 01:24:34,440

one person that was involved in you know

2032

01:24:42,230 --> 01:24:38,580

the on the plane bringing the pieces

2033

01:24:44,180 --> 01:24:42,240

over to Wright Field said yes this

2034

01:24:45,650 --> 01:24:44,190

really did happen and you know I guess I

2035

01:24:47,570 --> 01:24:45,660

can not talk about it because other

2036

01:24:50,240 --> 01:24:47,580

people are talking about it

2037

01:24:51,440 --> 01:24:50,250

so they were I think people respected

2038

01:24:52,840 --> 01:24:51,450

the government more and listened to them

2039

01:24:55,760 --> 01:24:52,850

when they said keep your mouth shut

2040

01:24:58,490 --> 01:24:55,770

yes well here's I found the the

2041

01:25:01,310 --> 01:24:58,500

reference on that 1967 you apologist Ted

2042

01:25:05,420 --> 01:25:01,320

glyco published report on the UFO wave

2043

01:25:06,650 --> 01:25:05,430

of 1947 he listed 843 UFO sightings

2044

01:25:09,230 --> 01:25:06,660

carried by the news media

2045

01:25:11,300 --> 01:25:09,240

Roswell didn't even make the list no

2046

01:25:14,030 --> 01:25:11,310

crash debris no alien bodies no

2047

01:25:15,860 --> 01:25:14,040

eyewitnesses no conspiracies Roswell

2048

01:25:17,720 --> 01:25:15,870

began in 1980 with a National Inquirer

2049

01:25:20,150 --> 01:25:17,730

story so I don't think instead of

2050

01:25:21,650 --> 01:25:20,160

government cover-up I think it was

2051  
01:25:23,210 --> 01:25:21,660  
nothing it was no one thought much about

2052  
01:25:25,250 --> 01:25:23,220  
it because it was much to do about

2053  
01:25:27,350 --> 01:25:25,260  
nothing you know it was just crash

2054  
01:25:29,630 --> 01:25:27,360  
debris from a high-altitude surveillance

2055  
01:25:32,420 --> 01:25:29,640  
balloon listening for acoustic

2056  
01:25:35,060 --> 01:25:32,430  
signatures of Soviet nuclear exhale

2057  
01:25:37,220 --> 01:25:35,070  
titude test explosions okay then why

2058  
01:25:39,770 --> 01:25:37,230  
would the why would the Army say that

2059  
01:25:42,080 --> 01:25:39,780  
they captured a disc I mean these are

2060  
01:25:45,680 --> 01:25:42,090  
people that handled well the the nuclear

2061  
01:25:48,250 --> 01:25:45,690  
weapons were on the airbase that you

2062  
01:25:50,660 --> 01:25:48,260  
know I mean the highest I would think

2063  
01:25:52,580 --> 01:25:50,670

you know people guarding these type of

2064

01:25:54,320 --> 01:25:52,590

weapons and things like that why would

2065

01:25:56,990 --> 01:25:54,330

they actually go out on a limb and say

2066

01:26:00,620 --> 01:25:57,000

that well okay first of all in you know

2067

01:26:03,050 --> 01:26:00,630

in the 1995 and 97 reports issued by

2068

01:26:04,760 --> 01:26:03,060

the Pentagon that the the the the disc

2069

01:26:06,820 --> 01:26:04,770

story came from flying you know

2070

01:26:09,080 --> 01:26:06,830

experimental disc flying disc

2071

01:26:11,750 --> 01:26:09,090

technologies that the Air Force was

2072

01:26:14,120 --> 01:26:11,760

testing and then the bodies came from

2073

01:26:15,470 --> 01:26:14,130

these you know at the bra morphic

2074

01:26:18,260 --> 01:26:15,480

dummies that they were heaving out of

2075

01:26:19,700 --> 01:26:18,270

these high-altitude balloons testing you

2076

01:26:21,350 --> 01:26:19,710

know what what it's like to jump out of

2077

01:26:23,450 --> 01:26:21,360

a hundred thousand from a hundred

2078

01:26:24,379 --> 01:26:23,460

thousand feet and then you know so in

2079

01:26:26,300 --> 01:26:24,389

other words they piece together a

2080

01:26:27,800 --> 01:26:26,310

plausible story of how the little

2081

01:26:30,200 --> 01:26:27,810

components came together over the

2082

01:26:34,340 --> 01:26:30,210

decades to form the myth that you know

2083

01:26:36,550 --> 01:26:34,350

the myth of Roswell again it was nothing

2084

01:26:40,580 --> 01:26:36,560

in 1947 no one thought twice about it

2085

01:26:42,320 --> 01:26:40,590

okay but okay first of all I still don't

2086

01:26:44,870 --> 01:26:42,330

really have a clear answer on why they

2087

01:26:47,810 --> 01:26:44,880

would say they captured a disc Saturn

2088

01:26:50,120 --> 01:26:47,820

yeah governments do live government

2089

01:26:52,640 --> 01:26:50,130

yeah but why would they lie I mean they

2090

01:26:54,590 --> 01:26:52,650

didn't Roswell as a small town they

2091

01:26:56,060 --> 01:26:54,600

didn't have to say anything basically no

2092

01:26:58,490 --> 01:26:56,070

one had to put anything in the paper but

2093

01:27:00,860 --> 01:26:58,500

they did the other thing about the

2094

01:27:04,189 --> 01:27:00,870

dummies those came out five years after

2095

01:27:06,169 --> 01:27:04,199

Roswell correct I think the explanation

2096

01:27:08,570 --> 01:27:06,179

for that is that people are conflating

2097

01:27:11,000 --> 01:27:08,580

memories across many decades into one

2098

01:27:13,459 --> 01:27:11,010

one event we know that human memory is

2099

01:27:16,160 --> 01:27:13,469

not reliable particularly after decades

2100

01:27:18,770 --> 01:27:16,170

we all confabulate make errors in our

2101

01:27:20,600 --> 01:27:18,780

mistake in our memories of our own lives

2102

01:27:23,270 --> 01:27:20,610

that we can't get straight this happens

2103

01:27:25,220 --> 01:27:23,280

all the time okay so you remember where

2104

01:27:28,729 --> 01:27:25,230

you were when Kennedy was assassinated I

2105

01:27:30,260 --> 01:27:28,739

do well and I was in third grade yeah

2106

01:27:32,629 --> 01:27:30,270

you probably still remember it and

2107

01:27:34,760 --> 01:27:32,639

something like this I could flash bulb

2108

01:27:35,930 --> 01:27:34,770

memories are not that reliable actually

2109

01:27:37,820 --> 01:27:35,940

they're not there's been studies on

2110

01:27:41,330 --> 01:27:37,830

flashbulb memories they're called and

2111

01:27:44,050 --> 01:27:41,340

they're not that reliable all right I I

2112

01:27:47,300 --> 01:27:44,060

can't see how anyone could confuse a

2113

01:27:48,979 --> 01:27:47,310

time in a date and what did they see in

2114

01:27:51,740 --> 01:27:48,989

the desert you're saying that they saw

2115

01:27:54,050 --> 01:27:51,750

something else at a time this is I'm

2116

01:27:55,669 --> 01:27:54,060

giving you the Pentagon story and there

2117

01:27:57,950 --> 01:27:55,679

and the Pentagon only came up with the

2118

01:27:59,780 --> 01:27:57,960

story simply because you know 50 years

2119

01:28:01,520 --> 01:27:59,790

after the fact you know the public kept

2120

01:28:03,379 --> 01:28:01,530

bugging him about what was this and like

2121

01:28:05,479 --> 01:28:03,389

well we don't know maybe it was this

2122

01:28:07,879 --> 01:28:05,489

here here's a couple of things we were

2123

01:28:10,370 --> 01:28:07,889

doing out in the desert back around that

2124

01:28:11,720 --> 01:28:10,380

time maybe this is what people saw you

2125

01:28:13,970 --> 01:28:11,730

know we don't know for sure that's what

2126

01:28:14,450 --> 01:28:13,980

you know people saw think they saw when

2127

01:28:16,160 --> 01:28:14,460

they think they

2128

01:28:18,140 --> 01:28:16,170

saw something or when we just don't know

2129

01:28:20,390 --> 01:28:18,150

you know the you know the evidence is

2130

01:28:22,270 --> 01:28:20,400

too flimsy either way but we do know

2131

01:28:24,260 --> 01:28:22,280

that you know the government was

2132

01:28:27,200 --> 01:28:24,270

experimenting in the Cold War with

2133

01:28:31,910 --> 01:28:27,210

technologies you know about detecting

2134

01:28:33,440 --> 01:28:31,920

Soviet nuclear device nuclear tests and

2135

01:28:35,209 --> 01:28:33,450

of course they're not going to tell the

2136

01:28:36,830 --> 01:28:35,219

public that they're not gonna come out

2137

01:28:38,420 --> 01:28:36,840

and you know and say hey this is what we

2138

01:28:40,310 --> 01:28:38,430

did they're gonna make up a story about

2139

01:28:42,500 --> 01:28:40,320

you know weather balloons and disks or

2140

01:28:44,720 --> 01:28:42,510

whatever so you know does the government

2141

01:28:45,979 --> 01:28:44,730

lie to cover up natural secrets yes they

2142

01:28:48,040 --> 01:28:45,989

do they do that all the time but that

2143

01:28:51,830 --> 01:28:48,050

doesn't mean there's extraterrestrials

2144

01:28:53,360 --> 01:28:51,840

no ice I still think you know I

2145

01:28:55,220 --> 01:28:53,370

understand exactly what you're saying

2146

01:28:57,890 --> 01:28:55,230

about Roswell becoming a myth because I

2147

01:29:01,490 --> 01:28:57,900

have said that many times that it has

2148

01:29:03,979 --> 01:29:01,500

carried into there there's so much more

2149

01:29:05,870 --> 01:29:03,989

there's a lot of moving parts when there

2150

01:29:09,110 --> 01:29:05,880

didn't really have to be and you know

2151

01:29:13,250 --> 01:29:09,120

they make a parade and dress up and they

2152

01:29:16,520 --> 01:29:13,260

have the cafe and there are points where

2153

01:29:18,200 --> 01:29:16,530

some something can become part myth but

2154

01:29:20,660 --> 01:29:18,210

I do think that they're the nuts and

2155

01:29:22,729 --> 01:29:20,670

bolts of the story in the beginning I

2156

01:29:24,920 --> 01:29:22,739

understand what you're also saying about

2157

01:29:27,070 --> 01:29:24,930

it not being presented as one of the

2158

01:29:28,910 --> 01:29:27,080

cases but again I think that's all

2159

01:29:32,330 --> 01:29:28,920

pointing to the fact that it was

2160

01:29:34,100 --> 01:29:32,340

hush-hush to everybody and not repo you

2161

01:29:36,220 --> 01:29:34,110

know that newspaper article came out one

2162

01:29:40,250 --> 01:29:36,230

day the next day they said they had a

2163

01:29:42,590 --> 01:29:40,260

weather balloon right so I think that's

2164

01:29:44,090 --> 01:29:42,600

why that didn't show up yeah well we

2165

01:29:45,709 --> 01:29:44,100

know good we know the government all

2166

01:29:47,930 --> 01:29:45,719

governments lie to their citizens about

2167

01:29:50,870 --> 01:29:47,940

lots of things we've there's pretty much

2168

01:29:52,340 --> 01:29:50,880

on the nightly news you know we just

2169

01:29:55,010 --> 01:29:52,350

found out that the government lied about

2170

01:29:56,959 --> 01:29:55,020

Iraq and they're you know in Afghanistan

2171

01:29:58,670 --> 01:29:56,969

and this and that you know this this is

2172

01:30:00,500 --> 01:29:58,680

pretty common but the fact that they lie

2173

01:30:02,420 --> 01:30:00,510

about that doesn't mean you know

2174

01:30:04,520 --> 01:30:02,430

someone's that theory about something is

2175

01:30:06,110 --> 01:30:04,530

true it just means you know we know that

2176

01:30:08,209 --> 01:30:06,120

governments do that all right

2177

01:30:09,500 --> 01:30:08,219

um there's a guy that keeps up that said

2178

01:30:11,660 --> 01:30:09,510

you an article this week that keeps

2179

01:30:14,270 --> 01:30:11,670

posting on the chat room so I'm going to

2180

01:30:17,450 --> 01:30:14,280

have you say it you had something very

2181

01:30:18,950 --> 01:30:17,460

similar to a paranormal situation

2182

01:30:20,840 --> 01:30:18,960

happened to you that kind of that kind

2183

01:30:23,830 --> 01:30:20,850

of shook your skeptic world do you want

2184

01:30:26,330 --> 01:30:23,840

to quickly tell that story oh sure

2185

01:30:27,690 --> 01:30:26,340

that's one of my more popular scientific

2186

01:30:29,580 --> 01:30:27,700

american columns Oh

2187

01:30:31,080 --> 01:30:29,590

I should also point out another one that

2188

01:30:32,790 --> 01:30:31,090

that happened to me was an alien

2189

01:30:33,690 --> 01:30:32,800

abduction experience I had since we're

2190

01:30:37,110 --> 01:30:33,700

on that subject

2191

01:30:39,000 --> 01:30:37,120

well I team yeah back in 1983 I was

2192

01:30:42,690 --> 01:30:39,010

abducted by aliens I lost ninety minutes

2193

01:30:44,550 --> 01:30:42,700

of time missing time and you know I knew

2194

01:30:46,710 --> 01:30:44,560

for sure that the my abductees were

2195

01:30:49,110 --> 01:30:46,720

aliens and you know all right all right

2196

01:30:50,550 --> 01:30:49,120

what's the joke well it's not a joke now

2197

01:30:52,320 --> 01:30:50,560

I've written about this in my books and

2198

01:30:54,780 --> 01:30:52,330

so on I was in the middle of the race

2199

01:30:56,460 --> 01:30:54,790

across America the 3,000 mile non-stop

2200

01:30:58,830 --> 01:30:56,470

transcontinental bike race from LA to

2201  
01:31:01,110 --> 01:30:58,840  
New York and I'd gone 83 straight hours

2202  
01:31:03,870 --> 01:31:01,120  
without sleep and I'd ridden 1,200 80

2203  
01:31:06,030 --> 01:31:03,880  
miles on my bike and from Santa Monica

2204  
01:31:08,490 --> 01:31:06,040  
all the way into Nebraska without

2205  
01:31:10,380 --> 01:31:08,500  
stopping and I was hallucinating it was

2206  
01:31:12,120 --> 01:31:10,390  
an interesting hallucination because the

2207  
01:31:14,370 --> 01:31:12,130  
aliens were my support crew members

2208  
01:31:15,930 --> 01:31:14,380  
people I knew but I knew that they were

2209  
01:31:18,930 --> 01:31:15,940  
aliens because they had stiff little

2210  
01:31:20,940 --> 01:31:18,940  
fingers which was a reference in my mind

2211  
01:31:23,430 --> 01:31:20,950  
a you know an old memory from my

2212  
01:31:25,230 --> 01:31:23,440  
childhood of a TV show called the

2213  
01:31:27,450 --> 01:31:25,240

invaders starring Roy Thinnes I think

2214

01:31:29,850 --> 01:31:27,460

was on CBS where the aliens were taking

2215

01:31:31,590 --> 01:31:29,860

over the earth you know human by human

2216

01:31:33,180 --> 01:31:31,600

by taking over their bodies is like the

2217

01:31:37,130 --> 01:31:33,190

invasion of the body snatchers kind of

2218

01:31:39,690 --> 01:31:37,140

thing and so I inculcated that memory

2219

01:31:41,610 --> 01:31:39,700

into the hallucination I was having that

2220

01:31:44,310 --> 01:31:41,620

was induced by sleep deprivation and

2221

01:31:47,100 --> 01:31:44,320

fatigue right there on the side of the

2222

01:31:48,840 --> 01:31:47,110

road in in Nebraska with people I knew

2223

01:31:50,580 --> 01:31:48,850

that you know and I knew that they

2224

01:31:52,200 --> 01:31:50,590

didn't know that I knew and it was a

2225

01:31:54,450 --> 01:31:52,210

whole elaborate thing and you know after

2226

01:31:56,610 --> 01:31:54,460

I got some sleep I realized how crazy

2227

01:31:58,800 --> 01:31:56,620

was you can Google Shermer , alien

2228

01:32:00,750 --> 01:31:58,810

abduction experience and you'll see me

2229

01:32:02,580 --> 01:32:00,760

talking about it the next day on

2230

01:32:04,590 --> 01:32:02,590

television on ABC's Wide World of Sports

2231

01:32:07,020 --> 01:32:04,600

telling Eric Hyden in the van there oh

2232

01:32:07,850 --> 01:32:07,030

man I had an amazing hallucination last

2233

01:32:10,500 --> 01:32:07,860

night here it is

2234

01:32:11,460 --> 01:32:10,510

so that really happened to me now the

2235

01:32:13,650 --> 01:32:11,470

other one you're referring to is a

2236

01:32:17,190 --> 01:32:13,660

column I did last year in Scientific

2237

01:32:18,600 --> 01:32:17,200

American on this unusual experience my

2238

01:32:20,040 --> 01:32:18,610

wife and I had when we got married my

2239

01:32:24,330 --> 01:32:20,050

wife's from Cologne Germany she came

2240

01:32:26,070 --> 01:32:24,340

here to be with me and so we decided to

2241

01:32:27,600 --> 01:32:26,080

get married at the Beverly Hills

2242

01:32:30,450 --> 01:32:27,610

courthouse and then have a ceremony at

2243

01:32:32,820 --> 01:32:30,460

my house with my family but she was

2244

01:32:34,650 --> 01:32:32,830

feeling kind of blue that she was alone

2245

01:32:37,410 --> 01:32:34,660

no friends or family here was just my

2246

01:32:40,680 --> 01:32:37,420

friends and family and months before she

2247

01:32:42,180 --> 01:32:40,690

had shipped out her stuff and I just had

2248

01:32:44,560 --> 01:32:42,190

it stored

2249

01:32:46,000 --> 01:32:44,570

including our grandfather's radio he had

2250

01:32:50,050 --> 01:32:46,010

this little transistor radio Philips

2251

01:32:51,400 --> 01:32:50,060

radio from the 1970s and her and her

2252

01:32:52,660 --> 01:32:51,410

grandfather used to listen to this and I

2253

01:32:54,730 --> 01:32:52,670

was sort of the father figure in her

2254

01:32:57,130 --> 01:32:54,740

life because her father was not part of

2255

01:32:59,170 --> 01:32:57,140

her life so that was meaningful to her

2256

01:33:00,280 --> 01:32:59,180

but it didn't work and I spent a long

2257

01:33:02,320 --> 01:33:00,290

time trying to get it working and put

2258

01:33:04,300 --> 01:33:02,330

new batteries in and I tried to fix it

2259

01:33:06,310 --> 01:33:04,310

in it anyway it was dead so I stuffed it

2260

01:33:09,430 --> 01:33:06,320

in the back of a drawer in our bedroom

2261

01:33:11,020 --> 01:33:09,440

in a in a desk and that was that for

2262

01:33:13,990 --> 01:33:11,030

months nothing happened and but today we

2263

01:33:15,490 --> 01:33:14,000

got married that you know the radio all

2264

01:33:17,080 --> 01:33:15,500

of a sudden came on and music was

2265

01:33:19,900 --> 01:33:17,090

playing and was like I couldn't figure

2266

01:33:21,640 --> 01:33:19,910

it out is like maybe my iphone is on and

2267

01:33:23,290 --> 01:33:21,650

they left my laptop and my iTunes on

2268

01:33:25,300 --> 01:33:23,300

which I never do but wasn't that maybe

2269

01:33:26,530 --> 01:33:25,310

the neighbors are playing music wasn't

2270

01:33:29,890 --> 01:33:26,540

that and all of a sudden we figured out

2271

01:33:31,780 --> 01:33:29,900

the music's coming from this desk so we

2272

01:33:34,200 --> 01:33:31,790

open it up and now there's a radio

2273

01:33:36,760 --> 01:33:34,210

perfectly tuned to a station no static

2274

01:33:38,950 --> 01:33:36,770

and it was you know some romantic song

2275

01:33:41,020 --> 01:33:38,960

and it was very moving

2276

01:33:42,730 --> 01:33:41,030

Farzin radio played the rest of the day

2277

01:33:45,670 --> 01:33:42,740

and night and in the next day it went

2278

01:33:47,770 --> 01:33:45,680

dad's been dead ever since so you know

2279

01:33:50,590 --> 01:33:47,780

for us it was you know meaningful

2280

01:33:53,110 --> 01:33:50,600

experience we really appreciated it

2281

01:33:55,270 --> 01:33:53,120

Jennifer's especially my wife was felt

2282

01:33:56,860 --> 01:33:55,280

connected to her grandfather in some way

2283

01:33:59,710 --> 01:33:56,870

you know he was there symbolically or

2284

01:34:01,150 --> 01:33:59,720

whatever you know who knows and so we

2285

01:34:03,700 --> 01:34:01,160

you know we just kind of left it open as

2286

01:34:07,000 --> 01:34:03,710

as an experience to enjoy and appreciate

2287

01:34:10,780 --> 01:34:07,010

with emotional significance for us but

2288

01:34:12,010 --> 01:34:10,790

that's all yeah okay well it's up I

2289

01:34:13,630 --> 01:34:12,020

think it's kind of good that you

2290

01:34:16,660 --> 01:34:13,640

actually wrote about it and I'm not

2291

01:34:18,370 --> 01:34:16,670

saying you know I've had a couple of

2292

01:34:21,190 --> 01:34:18,380

other things happen in my life that

2293

01:34:23,200 --> 01:34:21,200

we're very very unusual and I think

2294

01:34:25,420 --> 01:34:23,210

sometimes if things are just hard to

2295

01:34:26,830 --> 01:34:25,430

explain well one of the interesting

2296

01:34:28,030 --> 01:34:26,840

things about that because I wrote in

2297

01:34:29,920 --> 01:34:28,040

Scientific American I have a million

2298

01:34:32,080 --> 01:34:29,930

readers you know people a lot of people

2299

01:34:33,550 --> 01:34:32,090

wrote me I got a few you know letters

2300

01:34:35,200 --> 01:34:33,560

going how can you say there's Shermer

2301

01:34:37,890 --> 01:34:35,210

you've you've betrayed the skepticism

2302

01:34:40,180 --> 01:34:37,900

it's like no you didn't read my article

2303

01:34:42,610 --> 01:34:40,190

but most of the letters I got tons and

2304

01:34:44,440 --> 01:34:42,620

tons of letters all had experiences

2305

01:34:46,090 --> 01:34:44,450

people have weird experiences like that

2306

01:34:48,330 --> 01:34:46,100

nothing quite like the radio but the

2307

01:34:51,340 --> 01:34:48,340

equivalent of that in some other way and

2308

01:34:53,050 --> 01:34:51,350

you know hundreds of them so I it made

2309

01:34:55,480 --> 01:34:53,060

me realize okay this is really

2310

01:34:57,220 --> 01:34:55,490

interesting you know people have

2311

01:34:59,950 --> 01:34:57,230

most experiences just weird stuff

2312

01:35:01,740 --> 01:34:59,960

happens a lot now there's a question up

2313

01:35:04,570 --> 01:35:01,750

on the message board and then I have

2314

01:35:05,740 --> 01:35:04,580

like I said I got a bunch of emails I'm

2315

01:35:08,200 --> 01:35:05,750

going to try to get through some of them

2316

01:35:12,550 --> 01:35:08,210

but have you ever looked into the

2317

01:35:14,020 --> 01:35:12,560

enhanced general ramey memo that someone

2318

01:35:15,580 --> 01:35:14,030

was in San Francisco was actually

2319

01:35:16,210 --> 01:35:15,590

working on for several years to enhance

2320

01:35:18,580 --> 01:35:16,220

now

2321

01:35:20,080 --> 01:35:18,590

ramie is the one who's standing next to

2322

01:35:21,610 --> 01:35:20,090

the weather balloon

2323

01:35:23,230 --> 01:35:21,620

this is the last Roswell question and

2324

01:35:25,470 --> 01:35:23,240

then asking I'm standing next to the

2325

01:35:28,330 --> 01:35:25,480

Roswell balloon with a memo in his hand

2326

01:35:30,220 --> 01:35:28,340

and holding out the debris of the

2327

01:35:32,560 --> 01:35:30,230

weather balloon in the picture that they

2328

01:35:34,090 --> 01:35:32,570

said it was not a flying saucer was a

2329

01:35:36,700 --> 01:35:34,100

weather balloon type of thing in his

2330

01:35:40,480 --> 01:35:36,710

hand he has a memo and that was enhanced

2331

01:35:43,920 --> 01:35:40,490

in in that enhancement it shows clearly

2332

01:35:45,610 --> 01:35:43,930

that it says a recovering body

2333

01:35:49,690 --> 01:35:45,620

recovering bodies

2334

01:35:52,960 --> 01:35:49,700

victus I haven't seen that okay so we'll

2335

01:35:54,550 --> 01:35:52,970

move on I'm gonna ask this question here

2336

01:35:56,890 --> 01:35:54,560

that someone emailed in what are your

2337

01:35:59,710 --> 01:35:56,900

personal guidelines for accepting some

2338

01:36:01,300 --> 01:35:59,720

item as fact obviously you cannot

2339

01:36:03,520 --> 01:36:01,310

believe that why you have personally

2340

01:36:05,290 --> 01:36:03,530

seen or 98 percent of the world would

2341

01:36:07,510 --> 01:36:05,300

not exist for you I'm not sure exactly

2342

01:36:09,580 --> 01:36:07,520

what that means what are your rules for

2343

01:36:13,420 --> 01:36:09,590

the reasonable acceptance of items as

2344

01:36:15,280 --> 01:36:13,430

fact be it existence of Borneo which I

2345

01:36:18,520 --> 01:36:15,290

assume that you have never visited or

2346

01:36:21,010 --> 01:36:18,530

ball lightning well I've been to Borneo

2347

01:36:23,050 --> 01:36:21,020

and I think I may have seen in ball

2348

01:36:24,700 --> 01:36:23,060

lightning but his point is that you know

2349

01:36:26,950 --> 01:36:24,710

like for example how would I know that

2350

01:36:29,020 --> 01:36:26,960

the Roman Empire existed since you know

2351

01:36:30,280 --> 01:36:29,030

with none of us were there yeah and

2352

01:36:32,590 --> 01:36:30,290

that's our thing so it's a reasonable

2353

01:36:34,840 --> 01:36:32,600

question has to do with the field of

2354

01:36:37,510 --> 01:36:34,850

epistemology and philosophy how do we

2355

01:36:38,920 --> 01:36:37,520

know anything that we know so there's

2356

01:36:40,720 --> 01:36:38,930

different theories about this but you

2357

01:36:42,600 --> 01:36:40,730

know it first it begins with just a kind

2358

01:36:45,010 --> 01:36:42,610

of a reality check that is we have a

2359

01:36:48,100 --> 01:36:45,020

reasonable amount of experience with our

2360

01:36:50,170 --> 01:36:48,110

senses of cross-checking modalities say

2361

01:36:51,940 --> 01:36:50,180

what something looks like what it feels

2362

01:36:53,710 --> 01:36:51,950

like but it sounds like you know that

2363

01:36:55,510 --> 01:36:53,720

kind of thing and and we come to some

2364

01:36:57,250 --> 01:36:55,520

kind of a consensus amongst observers

2365

01:36:59,080 --> 01:36:57,260

that you know if the quacks like a duck

2366

01:37:01,270 --> 01:36:59,090

you know waddles like a duck you know

2367

01:37:03,940 --> 01:37:01,280

it's probably a duck something like that

2368

01:37:06,250 --> 01:37:03,950

now it now it gets a little trickier

2369

01:37:07,750 --> 01:37:06,260

when you're talking about theories like

2370

01:37:08,620 --> 01:37:07,760

how do we know global warming is real

2371

01:37:11,080 --> 01:37:08,630

and human cause

2372

01:37:13,990 --> 01:37:11,090

you know to pick up the controversy one

2373

01:37:15,490 --> 01:37:14,000

out of the headlines and and so there we

2374

01:37:17,919 --> 01:37:15,500

talk to you you hear this this phrase

2375

01:37:20,530 --> 01:37:17,929

the consensus science what does that

2376

01:37:23,290 --> 01:37:20,540

mean I mean science is not a democracy

2377

01:37:24,820 --> 01:37:23,300

we don't vote I mean you either have the

2378

01:37:26,890 --> 01:37:24,830

evidence or you don't well okay but

2379

01:37:28,810 --> 01:37:26,900

these are complicated Sciences the

2380

01:37:32,110 --> 01:37:28,820

models are really tricky the math is

2381

01:37:33,790 --> 01:37:32,120

very difficult and you know if you said

2382

01:37:35,620 --> 01:37:33,800

if you send me one of these climate

2383

01:37:37,510 --> 01:37:35,630

papers I can't tell you know if it's

2384

01:37:38,680 --> 01:37:37,520

saying something important or not and

2385

01:37:42,280 --> 01:37:38,690

and that's why we have to have the

2386

01:37:44,500 --> 01:37:42,290

expert so that's why the UN has that you

2387

01:37:46,570 --> 01:37:44,510

know a committee of you know scientists

2388

01:37:48,430 --> 01:37:46,580

that just sit there and discuss well you

2389

01:37:50,470 --> 01:37:48,440

know what are the what's the value of

2390

01:37:52,570 --> 01:37:50,480

this particular data set or for that

2391

01:37:54,010 --> 01:37:52,580

experiment or this research and then

2392

01:37:56,680 --> 01:37:54,020

they come up with a consensus now they

2393

01:37:58,360 --> 01:37:56,690

might they might be wrong but but the

2394

01:38:00,430 --> 01:37:58,370

fact that there's so many lines of

2395

01:38:03,280 --> 01:38:00,440

evidence leads us to be confident that

2396

01:38:05,229 --> 01:38:03,290

it's probably real it's probably human

2397

01:38:09,280 --> 01:38:05,239

human the real and human cause something

2398

01:38:12,490 --> 01:38:09,290

like that and you know so once you move

2399

01:38:14,050 --> 01:38:12,500

into the realm of like theories then in

2400

01:38:16,570 --> 01:38:14,060

science there has to be not just

2401  
01:38:18,520 --> 01:38:16,580  
evidence but some kind of a consensus

2402  
01:38:20,169 --> 01:38:18,530  
amongst people that know what they're

2403  
01:38:21,370 --> 01:38:20,179  
looking at that that do this for a

2404  
01:38:23,410 --> 01:38:21,380  
living

2405  
01:38:26,050 --> 01:38:23,420  
there's a consensus that it's it's real

2406  
01:38:28,330 --> 01:38:26,060  
and the reason the paranormal and

2407  
01:38:31,870 --> 01:38:28,340  
related subjects the supernatural

2408  
01:38:34,479 --> 01:38:31,880  
miracles God UFOs aliens and so forth

2409  
01:38:37,180 --> 01:38:34,489  
don't have a consensus is that because

2410  
01:38:38,439 --> 01:38:37,190  
they're they're not replicable hey

2411  
01:38:40,770 --> 01:38:38,449  
they're not replicable you can't you

2412  
01:38:43,419 --> 01:38:40,780  
know run the experiment in the lab some

2413  
01:38:46,330 --> 01:38:43,429

PSP stuff you can do and they always

2414

01:38:49,180 --> 01:38:46,340

they almost always fail the tests but

2415

01:38:51,340 --> 01:38:49,190

you know one-off events like a UFO

2416

01:38:53,500 --> 01:38:51,350

sighting like the experience you had I

2417

01:38:55,780 --> 01:38:53,510

don't know you know we can't run that

2418

01:38:58,060 --> 01:38:55,790

and we can try to track it down and find

2419

01:38:59,740 --> 01:38:58,070

you know some you know with a local Air

2420

01:39:01,930 --> 01:38:59,750

Force Base where you flying anything

2421

01:39:03,760 --> 01:39:01,940

that night that kind of thing and if you

2422

01:39:05,350 --> 01:39:03,770

if you get an explanation okay well

2423

01:39:07,810 --> 01:39:05,360

that's good you know Phoenix lights you

2424

01:39:14,459 --> 01:39:07,820

know players okay thank you

2425

01:39:17,320 --> 01:39:14,469

yeah so I don't agree with you both but

2426

01:39:19,300 --> 01:39:17,330

other Phoenix lights but but I have

2427

01:39:20,709 --> 01:39:19,310

while we're on and I'll talk to you

2428

01:39:21,980 --> 01:39:20,719

about that in just a second but while

2429

01:39:25,230 --> 01:39:21,990

we're on

2430

01:39:28,230 --> 01:39:25,240

scepticism I found the the general ramey

2431

01:39:30,510 --> 01:39:28,240

memo if you google general ramey memo

2432

01:39:33,600 --> 01:39:30,520

comes up all over the place here and to

2433

01:39:35,130 --> 01:39:33,610

me that's a classic example of what I

2434

01:39:37,020 --> 01:39:35,140

call pattern isset II you know find or

2435

01:39:38,370 --> 01:39:37,030

you know sort of priming the brain to

2436

01:39:40,290 --> 01:39:38,380

see things a certain way it's a good

2437

01:39:41,970 --> 01:39:40,300

pattern because if the words weren't

2438

01:39:43,710 --> 01:39:41,980

there and the victims of the wreck in

2439

01:39:46,350 --> 01:39:43,720

the disabled ship you know these words

2440

01:39:48,180 --> 01:39:46,360

if they if the words were not typed in

2441

01:39:51,870 --> 01:39:48,190

there below the kind of dark and murky

2442

01:39:53,490 --> 01:39:51,880

type I I don't think I could read it see

2443

01:39:56,130 --> 01:39:53,500

I think people are reading into this

2444

01:39:57,810 --> 01:39:56,140

more than may actually be there well as

2445

01:40:00,450 --> 01:39:57,820

what I got to say about that as

2446

01:40:02,370 --> 01:40:00,460

technology improves there's going to be

2447

01:40:04,020 --> 01:40:02,380

a program eventually that's going to be

2448

01:40:05,730 --> 01:40:04,030

able to crack that we'll see what

2449

01:40:07,530 --> 01:40:05,740

happens I don't know because you know

2450

01:40:08,640 --> 01:40:07,540

that if the original data is no good

2451  
01:40:12,120 --> 01:40:08,650  
then it doesn't matter how sophisticated

2452  
01:40:14,700 --> 01:40:12,130  
your your you know try your computer

2453  
01:40:17,730 --> 01:40:14,710  
program is in you know like I look at

2454  
01:40:20,670 --> 01:40:17,740  
these enhanced process composite and so

2455  
01:40:22,140 --> 01:40:20,680  
I don't know you know that like the

2456  
01:40:24,090 --> 01:40:22,150  
flatbed scanner can you know you can

2457  
01:40:25,980 --> 01:40:24,100  
scan stuff and then you enhance it but

2458  
01:40:27,120 --> 01:40:25,990  
if the original is too murky if the

2459  
01:40:29,220 --> 01:40:27,130  
evidence isn't there

2460  
01:40:31,260 --> 01:40:29,230  
it's like making the fake UFO

2461  
01:40:32,880 --> 01:40:31,270  
photographs with fishing line on a pole

2462  
01:40:35,070 --> 01:40:32,890  
and dangling something in front of your

2463  
01:40:36,840 --> 01:40:35,080

camera you can't you really can't see

2464

01:40:38,820 --> 01:40:36,850

the fishing line it's it's it's

2465

01:40:40,740 --> 01:40:38,830

invisible to the film invisible to the

2466

01:40:42,600 --> 01:40:40,750

camera lens it doesn't matter how

2467

01:40:44,310 --> 01:40:42,610

enhanced the photograph is or what

2468

01:40:47,130 --> 01:40:44,320

computers you use the data is just not

2469

01:40:49,770 --> 01:40:47,140

there yeah and I we know who you know

2470

01:40:51,750 --> 01:40:49,780

there is a person that is famous for

2471

01:40:54,330 --> 01:40:51,760

doing that that there's a bunch of UFO

2472

01:40:56,190 --> 01:40:54,340

videos and pictures out there so I know

2473

01:40:58,620 --> 01:40:56,200

who you're talking about

2474

01:41:01,860 --> 01:40:58,630

but okay we're on the lines of

2475

01:41:04,860 --> 01:41:01,870

skepticism do you think that James Randi

2476  
01:41:07,050 --> 01:41:04,870  
you know the amazing Randi has hurt the

2477  
01:41:08,670 --> 01:41:07,060  
skepticism movement since it was

2478  
01:41:10,920 --> 01:41:08,680  
revealed that he knew his partner was

2479  
01:41:13,500 --> 01:41:10,930  
living under assumed identity for years

2480  
01:41:17,820 --> 01:41:13,510  
after making a career as someone

2481  
01:41:20,340 --> 01:41:17,830  
advocating for the truth oh I don't know

2482  
01:41:21,750 --> 01:41:20,350  
I don't think the skeptical movement has

2483  
01:41:22,920 --> 01:41:21,760  
affected one way or the other by that

2484  
01:41:25,050 --> 01:41:22,930  
because you know Randy's pretty much

2485  
01:41:27,300 --> 01:41:25,060  
retired now and it isn't actively

2486  
01:41:28,590 --> 01:41:27,310  
involved in the movement at all I don't

2487  
01:41:31,020 --> 01:41:28,600  
think it had an effect one way or the

2488  
01:41:33,300 --> 01:41:31,030

other I mean no one really know about it

2489

01:41:34,500 --> 01:41:33,310

I mean came out gay years ago and you

2490

01:41:38,760 --> 01:41:34,510

know if

2491

01:41:41,220 --> 01:41:38,770

that film so you know the fact that you

2492

01:41:43,050 --> 01:41:41,230

know person a is you know not not as

2493

01:41:45,390 --> 01:41:43,060

honest as we thought they were it

2494

01:41:48,750 --> 01:41:45,400

doesn't it doesn't affect it any more

2495

01:41:52,140 --> 01:41:48,760

than say a pastor turns out to be a

2496

01:41:54,540 --> 01:41:52,150

hypocrite effects of religions claims

2497

01:41:56,910 --> 01:41:54,550

they're the claims have to stand or fall

2498

01:42:00,000 --> 01:41:56,920

on their own regardless of the person's

2499

01:42:01,770 --> 01:42:00,010

you know morality or values okay you

2500

01:42:04,200 --> 01:42:01,780

said just a minute ago Phoenix lights I

2501

01:42:07,320 --> 01:42:04,210

said I'd address that was just flares

2502

01:42:10,410 --> 01:42:07,330

now I know the news showed there were

2503

01:42:14,760 --> 01:42:10,420

definitely flares that night and there's

2504

01:42:16,380 --> 01:42:14,770

who knows why exactly a coincidence it

2505

01:42:18,330 --> 01:42:16,390

was the same night but this didn't this

2506

01:42:21,840 --> 01:42:18,340

wasn't just in Phoenix where people saw

2507

01:42:25,290 --> 01:42:21,850

this huge triangle some talking about it

2508

01:42:27,660 --> 01:42:25,300

being up to a mile wide that it came

2509

01:42:30,750 --> 01:42:27,670

down through a valley and was seen you

2510

01:42:33,510 --> 01:42:30,760

know for two hours or so before the film

2511

01:42:36,360 --> 01:42:33,520

you see the flares were shot around well

2512

01:42:38,070 --> 01:42:36,370

there were different as I recall they

2513

01:42:40,700 --> 01:42:38,080

were two two different two different

2514

01:42:43,070 --> 01:42:40,710

events that night two different things

2515

01:42:46,920 --> 01:42:43,080

here I got it I'm pulling up our own

2516

01:42:52,770 --> 01:42:46,930

article on this and skeptic Phoenix

2517

01:42:55,080 --> 01:42:52,780

lights explained again let's see well

2518

01:42:56,700 --> 01:42:55,090

yeah anyway so sorry I don't have that

2519

01:42:58,980 --> 01:42:56,710

at the tip of my tongue but if I recall

2520

01:43:01,200 --> 01:42:58,990

it was two different places to different

2521

01:43:03,240 --> 01:43:01,210

events that made it look like it was one

2522

01:43:05,190 --> 01:43:03,250

event of these things moving when in

2523

01:43:09,630 --> 01:43:05,200

fact it wasn't one event it was two

2524

01:43:11,310 --> 01:43:09,640

events but if you it was seen through

2525

01:43:14,600 --> 01:43:11,320

several miles different parts of Arizona

2526

01:43:17,670 --> 01:43:14,610

on the same evening yeah early on and

2527

01:43:20,730 --> 01:43:17,680

then later on there were flares shot up

2528

01:43:23,670 --> 01:43:20,740

are dropped actually in the valley there

2529

01:43:25,800 --> 01:43:23,680

and a lot of people confuse that with

2530

01:43:27,570 --> 01:43:25,810

just saying oh it was the flares but

2531

01:43:32,610 --> 01:43:27,580

there was also a pilot that went up to

2532

01:43:34,770 --> 01:43:32,620

actually see this thing and has given

2533

01:43:37,190 --> 01:43:34,780

some testimony about what he saw you

2534

01:43:41,250 --> 01:43:37,200

know and also I'm sure you know about

2535

01:43:44,840 --> 01:43:41,260

Governor Fife Symington yes yes I have

2536

01:43:47,620 --> 01:43:44,850

met him in change of his story and so on

2537

01:43:50,450 --> 01:43:47,630

I'm not convinced let's see there was

2538

01:43:54,650 --> 01:43:50,460

this reading here the night of March

2539

01:43:56,030 --> 01:43:54,660

13th news of 8:30 p.m. citing travel

2540

01:43:57,650 --> 01:43:56,040

fast or a large number of people were

2541

01:43:59,390 --> 01:43:57,660

outside with video cameras when the

2542

01:44:01,910 --> 01:43:59,400

second and unrelated event happened at

2543

01:44:02,540 --> 01:44:01,920

10:00 p.m. in the sky southwest of

2544

01:44:05,390 --> 01:44:02,550

Phoenix

2545

01:44:07,670 --> 01:44:05,400

string of Lights appeared in this guy

2546

01:44:09,170 --> 01:44:07,680

and slowly sank until they disappeared

2547

01:44:10,850 --> 01:44:09,180

behind the nearby its trailer mountain

2548

01:44:12,500 --> 01:44:10,860

range this was later shown to be a

2549

01:44:15,230 --> 01:44:12,510

string of flares dropped by the Maryland

2550

01:44:19,130 --> 01:44:15,240

Air National Guard over the north tack

2551  
01:44:20,690 --> 01:44:19,140  
military range dr. Lynn katti featured

2552  
01:44:22,880 --> 01:44:20,700  
prominently on the Dateline program

2553  
01:44:24,320 --> 01:44:22,890  
about this can repeat all she wants to

2554  
01:44:26,510 --> 01:44:24,330  
NBC in other media that these lights

2555  
01:44:28,010 --> 01:44:26,520  
were magical and intelligent and later

2556  
01:44:29,810 --> 01:44:28,020  
showed up just outside her living room

2557  
01:44:31,250 --> 01:44:29,820  
but the videotape that's taken that

2558  
01:44:32,900 --> 01:44:31,260  
night by many people show without a

2559  
01:44:34,370 --> 01:44:32,910  
doubt that this was a string of mundane

2560  
01:44:36,320 --> 01:44:34,380  
lights that fell and disappeared behind

2561  
01:44:37,850 --> 01:44:36,330  
the range exactly as the string of

2562  
01:44:40,310 --> 01:44:37,860  
flares dropped by the military planes

2563  
01:44:42,320 --> 01:44:40,320

would have the problem developed later

2564

01:44:44,330 --> 01:44:42,330

when people conflated reports of the two

2565

01:44:46,940 --> 01:44:44,340

sightings for the many people who had

2566

01:44:48,140 --> 01:44:46,950

seen the earlier v-shaped thing pass

2567

01:44:50,060 --> 01:44:48,150

directly over their heads the

2568

01:44:51,040 --> 01:44:50,070

explanation the flares no made no sense

2569

01:44:53,720 --> 01:44:51,050

whatsoever

2570

01:44:55,940 --> 01:44:53,730

news organizations didn't differentiate

2571

01:44:58,150 --> 01:44:55,950

between the two events a report on the

2572

01:45:00,650 --> 01:44:58,160

Stanly identification blah blah blah

2573

01:45:03,770 --> 01:45:00,660

anyway so I think that's the problem I

2574

01:45:05,810 --> 01:45:03,780

think people are you know conflating two

2575

01:45:07,430 --> 01:45:05,820

events into one and that's why it seems

2576

01:45:09,770 --> 01:45:07,440

like well how could that be flares it

2577

01:45:12,530 --> 01:45:09,780

was shaped differently and triangular

2578

01:45:15,080 --> 01:45:12,540

shaped and and so about what about the

2579

01:45:17,000 --> 01:45:15,090

triangular shaped as for the people who

2580

01:45:19,160 --> 01:45:17,010

swore they saw a black triangular shape

2581

01:45:21,140 --> 01:45:19,170

joining the five lights of the V that's

2582

01:45:23,150 --> 01:45:21,150

a classic contrast effect of the human

2583

01:45:25,940 --> 01:45:23,160

eye in a variant Ellen case a man who

2584

01:45:27,800 --> 01:45:25,950

swore he saw a black shape joining the

2585

01:45:29,510 --> 01:45:27,810

lights of the veep saw it passed

2586

01:45:31,400 --> 01:45:29,520

directly in front of the moon at that

2587

01:45:34,790 --> 01:45:31,410

point he saw not a black shape but wavy

2588

01:45:36,110 --> 01:45:34,800

lines pass over the undimmed moon so

2589

01:45:38,600 --> 01:45:36,120

rather than conclude that he had seen

2590

01:45:40,100 --> 01:45:38,610

the contrails of planes the man whose

2591

01:45:41,900 --> 01:45:40,110

perception had already been heavily

2592

01:45:43,460 --> 01:45:41,910

influenced by the UFO explanation

2593

01:45:45,650 --> 01:45:43,470

concluded instead that the pilot of the

2594

01:45:47,300 --> 01:45:45,660

alien craft had turned his spaceship

2595

01:45:49,940 --> 01:45:47,310

transparent right at the moment so the

2596

01:45:52,250 --> 01:45:49,950

man could see the moon through it in

2597

01:45:55,540 --> 01:45:52,260

other words it was just it was it was

2598

01:45:57,750 --> 01:45:55,550

just a series of planes flying in a

2599

01:46:01,380 --> 01:45:57,760

triangular shape

2600

01:46:03,180 --> 01:46:01,390

which the mind then fills in with you

2601  
01:46:05,939 --> 01:46:03,190  
know the the spacecraft itself same

2602  
01:46:07,729 --> 01:46:05,949  
thing with that Leslie Kean talks about

2603  
01:46:09,900 --> 01:46:07,739  
in her book that I wrote about in

2604  
01:46:12,360 --> 01:46:09,910  
Scientific American this is a classic

2605  
01:46:16,380 --> 01:46:12,370  
case here essentially this column I

2606  
01:46:18,689 --> 01:46:16,390  
wrote the Major General Wilfred Bowers

2607  
01:46:22,040 --> 01:46:18,699  
account of the sighting so this is the

2608  
01:46:24,120 --> 01:46:22,050  
case of the Belgian UFO wave 1989-90

2609  
01:46:25,979 --> 01:46:24,130  
hundreds of people saw a majestic

2610  
01:46:28,110 --> 01:46:25,989  
triangular craft with a span of

2611  
01:46:30,419 --> 01:46:28,120  
approximately 120 feet and powerful

2612  
01:46:32,760 --> 01:46:30,429  
beaming spotlights moving very slowly

2613  
01:46:34,979 --> 01:46:32,770

without making any significant noise but

2614

01:46:40,140 --> 01:46:34,989

in several cases accelerating to very

2615

01:46:42,479 --> 01:46:40,150

high speeds and then and Leslie Keens

2616

01:46:44,729 --> 01:46:42,489

book this is how she describes that same

2617

01:46:47,130 --> 01:46:44,739

incident common sense tells us that if a

2618

01:46:48,959 --> 01:46:47,140

government had developed a huge craft

2619

01:46:51,390 --> 01:46:48,969

that can hover motionless only a few

2620

01:46:52,919 --> 01:46:51,400

hundred feet up and then speed up in the

2621

01:46:54,570 --> 01:46:52,929

blink of an eye all without making a

2622

01:46:56,280 --> 01:46:54,580

sound such technology would have

2623

01:46:58,500 --> 01:46:56,290

revolutionized both air travel and

2624

01:47:00,090 --> 01:46:58,510

modern warfare and probably physics as

2625

01:47:02,880 --> 01:47:00,100

well close quote

2626

01:47:04,380 --> 01:47:02,890

note how the 120 foot craft becomes by

2627

01:47:08,090 --> 01:47:04,390

the way how did how does anyone know

2628

01:47:11,220 --> 01:47:08,100

it's 120 feet how do you know start and

2629

01:47:13,620 --> 01:47:11,230

notes at 1 20 foot craft becomes huge

2630

01:47:16,200 --> 01:47:13,630

how moving very slowly changes to can

2631

01:47:18,180 --> 01:47:16,210

hover motionless how without making any

2632

01:47:19,140 --> 01:47:18,190

significant noise shifts to without

2633

01:47:21,180 --> 01:47:19,150

making a sound

2634

01:47:23,790 --> 01:47:21,190

and how accelerating to very high speeds

2635

01:47:24,330 --> 01:47:23,800

transforms into speed off in the blink

2636

01:47:26,419 --> 01:47:24,340

of an eye

2637

01:47:29,910 --> 01:47:26,429

so it's this language transmute a

2638

01:47:33,060 --> 01:47:29,920

transmutation that happens a lot in UFO

2639

01:47:34,530 --> 01:47:33,070

narratives you know and again people it

2640

01:47:39,120 --> 01:47:34,540

was traveling at this speed it was this

2641

01:47:41,370 --> 01:47:39,130

size how do you know well you know a lot

2642

01:47:46,020 --> 01:47:41,380

of it's just best guessed but what about

2643

01:47:49,290 --> 01:47:46,030

the there was well again Fife Symington

2644

01:47:51,030 --> 01:47:49,300

is a pilot would he the thing he saw go

2645

01:47:53,640 --> 01:47:51,040

over his head

2646

01:47:55,650 --> 01:47:53,650

how could he mistake that for a jet

2647

01:47:57,720 --> 01:47:55,660

formation same way you and I would I

2648

01:47:59,250 --> 01:47:57,730

mean if the his brain works like my

2649

01:48:01,410 --> 01:47:59,260

brain works like your brain works fills

2650

01:48:03,570 --> 01:48:01,420

in the fills in the gaps you can see

2651  
01:48:05,760 --> 01:48:03,580  
these you know illusions where you know

2652  
01:48:07,650 --> 01:48:05,770  
you put just the you know three little

2653  
01:48:10,570 --> 01:48:07,660  
Pacman type shapes in a certain

2654  
01:48:13,870 --> 01:48:10,580  
orientation and you see a triangle

2655  
01:48:15,730 --> 01:48:13,880  
right at I'm not I'm not so sure I'm not

2656  
01:48:18,400 --> 01:48:15,740  
so sure I don't I don't really agree

2657  
01:48:19,330 --> 01:48:18,410  
with you on that when it comes to

2658  
01:48:21,310 --> 01:48:19,340  
someone like him

2659  
01:48:22,900 --> 01:48:21,320  
and I know you can probably say that you

2660  
01:48:24,100 --> 01:48:22,910  
know why is he a better observer but

2661  
01:48:26,980 --> 01:48:24,110  
someone that as a pilot a commercial

2662  
01:48:29,230 --> 01:48:26,990  
pilot is going to be we only have three

2663  
01:48:32,470 --> 01:48:29,240

minutes left so and I feel like I've got

2664

01:48:34,120 --> 01:48:32,480

a million questions to ask you I just

2665

01:48:38,440 --> 01:48:34,130

feel like you haven't been on long

2666

01:48:41,800 --> 01:48:38,450

enough but here is a question that I

2667

01:48:43,630 --> 01:48:41,810

promised a person I'd ask often UFO

2668

01:48:46,450 --> 01:48:43,640

researchers are accused of taking their

2669

01:48:49,120 --> 01:48:46,460

positions because they quote make money

2670

01:48:50,800 --> 01:48:49,130

unquote from books or appearances as a

2671

01:48:52,690 --> 01:48:50,810

publisher yourself what do you think

2672

01:48:55,570 --> 01:48:52,700

about the balance between research and

2673

01:48:57,970 --> 01:48:55,580

profit what about the big business that

2674

01:48:59,890 --> 01:48:57,980

skepticism has become in the last few

2675

01:49:05,140 --> 01:48:59,900

years do you think that it's harming

2676

01:49:07,630 --> 01:49:05,150

your message it's a fair point but I

2677

01:49:09,940 --> 01:49:07,640

actually don't think the people on the

2678

01:49:11,950 --> 01:49:09,950

other side believers so to speak do what

2679

01:49:13,330 --> 01:49:11,960

they do to make money so I wouldn't even

2680

01:49:15,490 --> 01:49:13,340

make that argument in the first place I

2681

01:49:16,930 --> 01:49:15,500

know some people do but I don't and

2682

01:49:20,830 --> 01:49:16,940

second there's not big money in

2683

01:49:22,090 --> 01:49:20,840

skepticism I can assure you and third I

2684

01:49:23,860 --> 01:49:22,100

mean most of the stuff that I write

2685

01:49:25,960 --> 01:49:23,870

about like if I was writing about UFOs

2686

01:49:27,220 --> 01:49:25,970

if it turned out to be true this

2687

01:49:29,410 --> 01:49:27,230

wouldn't be a bad thing first of all I

2688

01:49:32,020 --> 01:49:29,420

wouldn't hurt me in any way I wouldn't

2689

01:49:33,520 --> 01:49:32,030

care if I had to revive my chapter 7 and

2690

01:49:35,800 --> 01:49:33,530

why people believe weird things or

2691

01:49:39,160 --> 01:49:35,810

whatever this would make no difference

2692

01:49:41,500 --> 01:49:39,170

to me financially or or reputation wise

2693

01:49:42,970 --> 01:49:41,510

and and if anything in terms of like

2694

01:49:45,430 --> 01:49:42,980

government cover-ups and that sort of

2695

01:49:47,470 --> 01:49:45,440

thing you know NASA would love to find

2696

01:49:49,260 --> 01:49:47,480

evidence of extraterrestrial

2697

01:49:52,600 --> 01:49:49,270

intelligence anything from egg to

2698

01:49:54,520 --> 01:49:52,610

bacterial grade to you know something

2699

01:49:55,720 --> 01:49:54,530

that can fly spaceships you know think

2700

01:49:57,250 --> 01:49:55,730

I'm much easier it would be to convince

2701

01:49:59,020 --> 01:49:57,260

Congress particularly a Republican

2702

01:50:00,310 --> 01:49:59,030

Congress that you know we really need to

2703

01:50:02,110 --> 01:50:00,320

get on this because they could be

2704

01:50:04,630 --> 01:50:02,120

dangerous they could be like the Soviets

2705

01:50:06,160 --> 01:50:04,640

or you know whatever a threat to our our

2706

01:50:08,560 --> 01:50:06,170

airspace that we we need to allocate

2707

01:50:12,280 --> 01:50:08,570

more funds for it if anything it would

2708

01:50:15,130 --> 01:50:12,290

have the galvanizing effect to improve

2709

01:50:18,340 --> 01:50:15,140

the research that you know ufo-ologists

2710

01:50:20,050 --> 01:50:18,350

want more of and so contrary to the

2711

01:50:22,030 --> 01:50:20,060

argument that they cover it up I think

2712

01:50:23,940 --> 01:50:22,040

just the opposite would be true okay we

2713

01:50:26,190 --> 01:50:23,950

have just one minute left

2714

01:50:27,780 --> 01:50:26,200

well I really don't have any time to go

2715

01:50:29,580 --> 01:50:27,790

into anything but I want to ask you if

2716

01:50:31,410 --> 01:50:29,590

there was one case out there that you

2717

01:50:35,030 --> 01:50:31,420

thought really needed to be looked in

2718

01:50:39,000 --> 01:50:35,040

just real quickly please one case well

2719

01:50:41,070 --> 01:50:39,010

you mean in terms of UFOs yeah now

2720

01:50:42,930 --> 01:50:41,080

there's no one that sticks out I like

2721

01:50:45,480 --> 01:50:42,940

Roswell because of its of its

2722

01:50:48,060 --> 01:50:45,490

myth-making qualities but not not as

2723

01:50:50,400 --> 01:50:48,070

evidence for that you know I would just

2724

01:50:53,220 --> 01:50:50,410

I guess if I personally wanted to see

2725

01:50:54,840 --> 01:50:53,230

something it would be area 51 okay want

2726

01:50:57,200 --> 01:50:54,850

to see what the cool new technologies

2727

01:50:59,310 --> 01:50:57,210

are now I got it I gotta go I'm afraid

2728

01:51:00,750 --> 01:50:59,320

thanks so much Michael it's been a real

2729

01:51:02,640 --> 01:51:00,760

pleasure you're welcome

2730

01:51:04,110 --> 01:51:02,650

all right thanks everyone and thank you

2731

01:51:07,800 --> 01:51:04,120

key for helping out with a live show

2732

01:51:10,080 --> 01:51:07,810

Peggy for the Facebook page we have dr.

2733

01:51:12,660 --> 01:51:10,090

Kevin Randle coming up next week thank

2734

01:51:14,130 --> 01:51:12,670

you all for listening and we'll be back

2735

01:51:16,530 --> 01:51:14,140

you can listen live next week right here

2736

01:51:18,300 --> 01:51:16,540

on the Dark Matter digital network