

UFO DEBRIS UPDATE

AN IN DEPTH LOOK AT THE RECENT PENTAGON
RELEASE ON MATERIALS RESEARCH RELATED TO
UFOS AND A CLOSER LOOK AT THE RISE OF THE
SUPERALLOYS IN THE POST-ROSWELL ERA

Anthony Braglia's

UFO Explorations

Original Research. Independent Reporting.

PENTAGON ADMITS IT HAS UFO DEBRIS,
RELEASES TEST RESULTS



UFONN
SUNDAY

1
00:00:03,290 --> 00:00:17,750

[Music]

2
00:00:22,550 --> 00:00:20,070
and hello from philadelphia frank here

3
00:00:23,750 --> 00:00:22,560
with yet another episode of ufo news

4
00:00:25,910 --> 00:00:23,760
network sunday and

5
00:00:27,910 --> 00:00:25,920
we've got a big show lined up for you

6
00:00:30,150 --> 00:00:27,920
everybody uh so uh let me

7
00:00:31,349 --> 00:00:30,160
not waste any time and bring in my

8
00:00:33,590 --> 00:00:31,359
trusty co-host

9
00:00:34,870 --> 00:00:33,600
chant hannah chan how are you tonight

10
00:00:36,790 --> 00:00:34,880
you ready to go

11
00:00:39,510 --> 00:00:36,800
i am good talking to you frank we had a

12
00:00:42,630 --> 00:00:39,520
really interesting uh week so far

13
00:00:44,869 --> 00:00:42,640

with a article that tony bergelia worked

14

00:00:45,910 --> 00:00:44,879

very hard on came out on february 8th of

15

00:00:50,069 --> 00:00:45,920

this year

16

00:00:53,189 --> 00:00:50,079

and it's about interesting pentagon

17

00:00:55,189 --> 00:00:53,199

admission that he feels is noteworthy

18

00:00:57,590 --> 00:00:55,199

the title of the article is pentagon

19

00:00:59,990 --> 00:00:57,600

admits it has ufo debris releases

20

00:01:00,869 --> 00:01:00,000

test results what's your take on this

21

00:01:02,470 --> 00:01:00,879

prank

22

00:01:03,990 --> 00:01:02,480

uh well we knew this was coming of

23

00:01:05,910 --> 00:01:04,000

course uh tony

24

00:01:08,149 --> 00:01:05,920

is really one of my oldest friends in

25

00:01:09,030 --> 00:01:08,159

this ufo business it's been almost 12

26

00:01:12,310 --> 00:01:09,040

years

27

00:01:15,030 --> 00:01:12,320

since we first started corresponding and

28

00:01:16,870 --> 00:01:15,040

basically uh very early on i was kind of

29

00:01:19,429 --> 00:01:16,880

floundering around like a lot of people

30

00:01:22,310 --> 00:01:19,439

do in this ufo field and

31

00:01:22,950 --> 00:01:22,320

looking for decent information uh decent

32

00:01:30,789 --> 00:01:22,960

uh

33

00:01:32,469 --> 00:01:30,799

this ufo craziness is all about

34

00:01:34,630 --> 00:01:32,479

and uh one of the first people whose

35

00:01:37,590 --> 00:01:34,640

work i came across was tony's

36

00:01:39,190 --> 00:01:37,600

and uh instantly i was struck that this

37

00:01:42,069 --> 00:01:39,200

guy kind of gets it he was

38

00:01:42,870 --> 00:01:42,079

really looking closely at the materials

39

00:01:46,149 --> 00:01:42,880

aspect

40

00:01:49,429 --> 00:01:46,159

of the ufo phenomenon and i thought that

41

00:01:52,550 --> 00:01:49,439

that is exactly the right direction i

42

00:01:54,789 --> 00:01:52,560

wrote him a a little fan email and we

43

00:01:56,550 --> 00:01:54,799

corresponded from there and uh the rest

44

00:01:58,870 --> 00:01:56,560

is kind of history you know uh

45

00:02:00,310 --> 00:01:58,880

uh if it wasn't for tony brigalia this

46

00:02:02,789 --> 00:02:00,320

show probably wouldn't exist

47

00:02:04,069 --> 00:02:02,799

uh hannah you and i well probably

48

00:02:06,389 --> 00:02:04,079

wouldn't be friends

49

00:02:07,990 --> 00:02:06,399

so uh you know uh that it's a sort of

50

00:02:09,990 --> 00:02:08,000

the the butterfly effect

51
00:02:11,670 --> 00:02:10,000
you know in terms of the way things

52
00:02:14,390 --> 00:02:11,680
worked out so yeah i'm

53
00:02:15,670 --> 00:02:14,400
extremely grateful to tony again if it

54
00:02:17,110 --> 00:02:15,680
wasn't for him

55
00:02:19,350 --> 00:02:17,120
uh you wouldn't be listening to this

56
00:02:22,390 --> 00:02:19,360
show right now i'm pretty certain and

57
00:02:22,949 --> 00:02:22,400
uh i'll be forever grateful to him for

58
00:02:25,990 --> 00:02:22,959
that

59
00:02:28,630 --> 00:02:26,000
but uh he has a continued to work on uh

60
00:02:29,750 --> 00:02:28,640
this uh subject uh the materials related

61
00:02:32,710 --> 00:02:29,760
to ufos

62
00:02:35,030 --> 00:02:32,720
uh for you know he was well established

63
00:02:37,030 --> 00:02:35,040

in it 12 years ago so who knows

64

00:02:38,309 --> 00:02:37,040

my guess is maybe as many as 20 years

65

00:02:39,990 --> 00:02:38,319

he's been working on it

66

00:02:42,630 --> 00:02:40,000

and of course i got the bug a little bit

67

00:02:44,630 --> 00:02:42,640

too and uh followed up and i was

68

00:02:46,229 --> 00:02:44,640

looking at some things on my own and i

69

00:02:46,869 --> 00:02:46,239

think i've turned up a few things which

70

00:02:48,949 --> 00:02:46,879

we'll

71

00:02:50,229 --> 00:02:48,959

double back and talk about a little bit

72

00:02:52,150 --> 00:02:50,239

as the show goes on

73

00:02:53,270 --> 00:02:52,160

uh but basically uh the show is going to

74

00:02:56,550 --> 00:02:53,280

be uh divided

75

00:02:58,229 --> 00:02:56,560

into uh uh four different segments i'm

76

00:03:01,190 --> 00:02:58,239

going to talk about uh

77

00:03:02,470 --> 00:03:01,200

of course uh tony's article and uh the

78

00:03:05,030 --> 00:03:02,480

reaction to it

79

00:03:07,030 --> 00:03:05,040

i'm going to talk about robert bigelow's

80

00:03:07,830 --> 00:03:07,040

long-standing research into ufo

81

00:03:09,830 --> 00:03:07,840

materials

82

00:03:12,309 --> 00:03:09,840

uh one thing you'll find is the people

83

00:03:14,149 --> 00:03:12,319

who are seriously in the ufos

84

00:03:16,149 --> 00:03:14,159

they are not overlooking this topic

85

00:03:19,350 --> 00:03:16,159

there are so many topics out there

86

00:03:22,630 --> 00:03:19,360

that get so much attention you know uh a

87

00:03:23,430 --> 00:03:22,640

hypnotic regression of uh uh contact

88

00:03:26,229 --> 00:03:23,440

ease and

89

00:03:27,990 --> 00:03:26,239

uh crop circles and uh cattle

90

00:03:30,390 --> 00:03:28,000

mutilations and things like that

91

00:03:31,030 --> 00:03:30,400

i mean uh frankly uh it's uh the sort of

92

00:03:32,949 --> 00:03:31,040

thing that

93

00:03:34,949 --> 00:03:32,959

does not interest me at all uh something

94

00:03:38,550 --> 00:03:34,959

that does interest me is this uh

95

00:03:41,910 --> 00:03:38,560

this very tangible uh research uh into

96

00:03:43,430 --> 00:03:41,920

the history of uh

97

00:03:44,949 --> 00:03:43,440

materials advancement and the

98

00:03:47,110 --> 00:03:44,959

post-roswell era

99

00:03:47,990 --> 00:03:47,120

and what they're working on right up to

100

00:03:50,789 --> 00:03:48,000

this day

101
00:03:52,149 --> 00:03:50,799
and looking to move the entire uh

102
00:03:55,190 --> 00:03:52,159
materials uh

103
00:03:57,110 --> 00:03:55,200
industry forward and uh frankly uh

104
00:03:58,550 --> 00:03:57,120
it already has and that will continue to

105
00:04:01,509 --> 00:03:58,560
make our lives better

106
00:04:02,390 --> 00:04:01,519
so it's really important and interesting

107
00:04:05,110 --> 00:04:02,400
i'm also going to

108
00:04:07,110 --> 00:04:05,120
delve into the content of the defense

109
00:04:09,270 --> 00:04:07,120
intelligence research documents

110
00:04:10,470 --> 00:04:09,280
uh five different papers that were sent

111
00:04:13,429 --> 00:04:10,480
to tony

112
00:04:14,789 --> 00:04:13,439
three of them were already out there

113
00:04:16,550 --> 00:04:14,799

they didn't really get the attention

114

00:04:19,270 --> 00:04:16,560

that they deserved so i'm gonna go

115

00:04:19,909 --> 00:04:19,280

uh into them a little bit more and two

116

00:04:22,069 --> 00:04:19,919

others are

117

00:04:22,950 --> 00:04:22,079

new releases entirely i'm gonna get into

118

00:04:24,790 --> 00:04:22,960

that and

119

00:04:26,790 --> 00:04:24,800

then finally i'm gonna talk about the

120

00:04:28,390 --> 00:04:26,800

rise of super alloys in the post

121

00:04:31,030 --> 00:04:28,400

post-roswell era

122

00:04:33,030 --> 00:04:31,040

maybe a little bit of speculation

123

00:04:36,150 --> 00:04:33,040

combined with a little bit of history

124

00:04:39,110 --> 00:04:36,160

but i think uh considering uh how the

125

00:04:41,510 --> 00:04:39,120

super alloys are really exploded in the

126
00:04:42,390 --> 00:04:41,520
1950s again in the immediate aftermath

127
00:04:44,390 --> 00:04:42,400
of roswell

128
00:04:46,230 --> 00:04:44,400
i think it's our well worth going into

129
00:04:49,030 --> 00:04:46,240
so uh let's uh let's get to it

130
00:04:51,030 --> 00:04:49,040
and let's uh talk about the story itself

131
00:04:54,710 --> 00:04:51,040
it came out monday

132
00:04:56,870 --> 00:04:54,720
uh like i already mentioned we

133
00:04:58,950 --> 00:04:56,880
we had a heads up on it obviously tony

134
00:05:01,350 --> 00:04:58,960
told me that he had gotten these results

135
00:05:03,670 --> 00:05:01,360
and sent me a little bit about it and uh

136
00:05:05,430 --> 00:05:03,680
if you're uh following uh ufo news

137
00:05:07,189 --> 00:05:05,440
network sunday over on twitter

138
00:05:09,909 --> 00:05:07,199

or belong to the facebook group

139

00:05:10,629 --> 00:05:09,919

obviously you got the the little teaser

140

00:05:12,710 --> 00:05:10,639

trailers

141

00:05:14,310 --> 00:05:12,720

uh at the end of january and into the

142

00:05:15,510 --> 00:05:14,320

early part of this month uh that this

143

00:05:17,510 --> 00:05:15,520

sort of thing was coming

144

00:05:19,909 --> 00:05:17,520

so we knew it was coming we're ready for

145

00:05:22,629 --> 00:05:19,919

it and it came out on monday

146

00:05:23,990 --> 00:05:22,639

and uh the results are finally out uh

147

00:05:27,350 --> 00:05:24,000

tony released the article on

148

00:05:30,870 --> 00:05:27,360

monday pentagon admits it has ufo debris

149

00:05:34,150 --> 00:05:30,880

releases test results and let me go

150

00:05:35,990 --> 00:05:34,160

initially to the article first first

151

00:05:37,510 --> 00:05:36,000

paragraph i'll read to you

152

00:05:40,150 --> 00:05:37,520

a stunning admission by the us

153

00:05:41,990 --> 00:05:40,160

government that it possesses ufo debris

154

00:05:43,749 --> 00:05:42,000

was recently made in response to a

155

00:05:45,510 --> 00:05:43,759

freedom of information act requests

156

00:05:46,070 --> 00:05:45,520

filed over three years ago by this

157

00:05:48,550 --> 00:05:46,080

author

158

00:05:50,550 --> 00:05:48,560

uh just as an aside yeah of course we

159

00:05:51,350 --> 00:05:50,560

had we had talked about his uh for your

160

00:05:54,230 --> 00:05:51,360

requests

161

00:05:54,950 --> 00:05:54,240

and his frustration at not getting them

162

00:05:57,029 --> 00:05:54,960

filled

163

00:05:58,150 --> 00:05:57,039

you know certainly in that uh three year

164

00:05:59,749 --> 00:05:58,160

ago of course uh

165

00:06:01,830 --> 00:05:59,759

you know as soon as that new york times

166

00:06:03,670 --> 00:06:01,840

article came out that discussed the ufo

167

00:06:05,350 --> 00:06:03,680

debris and materials and all that

168

00:06:07,670 --> 00:06:05,360

i mean he filed that right away and it

169

00:06:09,590 --> 00:06:07,680

took three years to get the thing filled

170

00:06:11,830 --> 00:06:09,600

in a reply letter going back to the

171

00:06:13,990 --> 00:06:11,840

article the u.s defense intelligence

172

00:06:16,070 --> 00:06:14,000

agency has ended decades of speculation

173

00:06:18,230 --> 00:06:16,080

by verifying that ufo material

174

00:06:20,230 --> 00:06:18,240

has indeed been recovered now officially

175

00:06:22,070 --> 00:06:20,240

referred to as uap

176

00:06:24,070 --> 00:06:22,080

rather than ufos some of this material

177

00:06:25,510 --> 00:06:24,080

was placed with a defense contractor for

178

00:06:28,150 --> 00:06:25,520

analysis and storage

179

00:06:29,510 --> 00:06:28,160

in specialized facilities incredibly

180

00:06:30,710 --> 00:06:29,520

part of the information released

181

00:06:33,110 --> 00:06:30,720

discusses material

182

00:06:34,710 --> 00:06:33,120

with shape recovery properties much like

183

00:06:38,870 --> 00:06:34,720

the memory metal debris found

184

00:06:42,870 --> 00:06:38,880

fallen at the roswell ufo crash in 1947.

185

00:06:45,990 --> 00:06:42,880

uh now i'm going to be a little bit

186

00:06:48,469 --> 00:06:46,000

less enthusiastic and my conclusions

187

00:06:49,510 --> 00:06:48,479

don't go quite as far as tony's does i'm

188

00:06:52,469 --> 00:06:49,520

going to go through

189

00:06:53,110 --> 00:06:52,479

sort of where i think uh things are at

190

00:06:56,790 --> 00:06:53,120

today

191

00:07:00,390 --> 00:06:56,800

uh but still uh you know no reason to uh

192

00:07:00,830 --> 00:07:00,400

allow any sort of uh minor disagreements

193

00:07:04,950 --> 00:07:00,840

or

194

00:07:07,189 --> 00:07:04,960

in the way

195

00:07:08,550 --> 00:07:07,199

of what i think is very important

196

00:07:12,230 --> 00:07:08,560

regarding this field

197

00:07:18,150 --> 00:07:15,990

okay okay yeah and uh so uh yeah

198

00:07:20,150 --> 00:07:18,160

uh chant hannah let's uh let's go to you

199

00:07:20,710 --> 00:07:20,160

uh that's uh uh the story was out on

200

00:07:22,309 --> 00:07:20,720

monday

201
00:07:24,150 --> 00:07:22,319
and uh you have any thoughts to jump in

202
00:07:25,350 --> 00:07:24,160
with at this point well i have some

203
00:07:28,070 --> 00:07:25,360
random thoughts uh

204
00:07:28,870 --> 00:07:28,080
first of all uh the title of the article

205
00:07:31,749 --> 00:07:28,880
i think it's

206
00:07:33,189 --> 00:07:31,759
uh pentagon admits it has ufo debris

207
00:07:36,550 --> 00:07:33,199
releases test results

208
00:07:37,430 --> 00:07:36,560
the key word admits uh what is your take

209
00:07:40,550 --> 00:07:37,440
on that

210
00:07:43,110 --> 00:07:40,560
and are there any uh critics of uh the

211
00:07:44,150 --> 00:07:43,120
title that uh tony bergelia used for

212
00:07:46,150 --> 00:07:44,160
well yeah

213
00:07:47,430 --> 00:07:46,160

everybody is criticizing it because

214

00:07:49,510 --> 00:07:47,440

again that uh

215

00:07:51,029 --> 00:07:49,520

maybe a little bit of a cheeky headline

216

00:07:54,070 --> 00:07:51,039

i mean i like writing them

217

00:07:56,150 --> 00:07:54,080

i've written a few myself uh i think

218

00:07:57,830 --> 00:07:56,160

yeah in this day and age you've you've

219

00:07:59,270 --> 00:07:57,840

got to push things a little bit with the

220

00:08:01,589 --> 00:07:59,280

headlines and then

221

00:08:02,390 --> 00:08:01,599

uh stick to the facts uh in the article

222

00:08:06,150 --> 00:08:02,400

itself

223

00:08:08,550 --> 00:08:06,160

so uh yeah

224

00:08:11,110 --> 00:08:08,560

well i'll get into it but well let me

225

00:08:12,950 --> 00:08:11,120

let me get into it now because let me uh

226

00:08:14,469 --> 00:08:12,960

let me show you what he bases that on it

227

00:08:17,749 --> 00:08:14,479

that comes directly

228

00:08:19,589 --> 00:08:17,759

from uh the response from the dia

229

00:08:21,430 --> 00:08:19,599

that accompanied the foia uh this

230

00:08:23,430 --> 00:08:21,440

response to your freedom of information

231

00:08:26,070 --> 00:08:23,440

act request uh dated back to

232

00:08:27,830 --> 00:08:26,080

2017 you see he filed it like that

233

00:08:29,830 --> 00:08:27,840

within 10 days of the

234

00:08:31,670 --> 00:08:29,840

uh release of that initial new york

235

00:08:33,909 --> 00:08:31,680

times article that you submitted to the

236

00:08:36,149 --> 00:08:33,919

dia for information concerning

237

00:08:38,310 --> 00:08:36,159

uh requesting all information on test

238

00:08:41,190 --> 00:08:38,320

results from the uap material

239

00:08:42,709 --> 00:08:41,200

from bigelow aerospace so that's that's

240

00:08:44,630 --> 00:08:42,719

what he's sort of basing on requesting

241

00:08:45,269 --> 00:08:44,640

all information on test results from the

242

00:08:47,829 --> 00:08:45,279

uap

243

00:08:49,030 --> 00:08:47,839

material so i apologize for the delay so

244

00:08:51,509 --> 00:08:49,040

on and so forth

245

00:08:53,110 --> 00:08:51,519

so yeah that that's where things do get

246

00:08:55,750 --> 00:08:53,120

a little bit complicated

247

00:08:57,509 --> 00:08:55,760

i do have no doubt and i will get into

248

00:09:00,389 --> 00:08:57,519

this in a little bit more detail

249

00:09:01,190 --> 00:09:00,399

uh that uh robert bigelow has been able

250

00:09:04,470 --> 00:09:01,200

to re

251
00:09:06,550 --> 00:09:04,480
acquire uh curious fragments that

252
00:09:08,389 --> 00:09:06,560
he has had tested uh this is on the

253
00:09:10,310 --> 00:09:08,399
record he did it during uh

254
00:09:11,750 --> 00:09:10,320
the period while he was running the

255
00:09:14,150 --> 00:09:11,760
national institute for

256
00:09:14,949 --> 00:09:14,160
discovery science uh prior to his

257
00:09:17,350 --> 00:09:14,959
involvement

258
00:09:18,389 --> 00:09:17,360
with the atip asap uh there's no

259
00:09:21,110 --> 00:09:18,399
question about it

260
00:09:21,509 --> 00:09:21,120
that he did it he released the results

261
00:09:23,509 --> 00:09:21,519
i'll

262
00:09:24,949 --> 00:09:23,519
go into a little bit more detail on that

263
00:09:26,710 --> 00:09:24,959

later so uh

264

00:09:29,509 --> 00:09:26,720

he's been interested in this subject for

265

00:09:32,070 --> 00:09:29,519

a long time uh there's no doubt that

266

00:09:34,470 --> 00:09:32,080

uh he may very well have continued to

267

00:09:37,590 --> 00:09:34,480

hold on to them during the period

268

00:09:40,230 --> 00:09:37,600

that this uh this uh

269

00:09:41,110 --> 00:09:40,240

partnership uh with the uh the dia was

270

00:09:44,070 --> 00:09:41,120

ongoing

271

00:09:46,070 --> 00:09:44,080

uh yeah and uh other uh other materials

272

00:09:47,430 --> 00:09:46,080

uh fell into his uh possession uh

273

00:09:48,230 --> 00:09:47,440

perhaps between the time where he

274

00:09:52,070 --> 00:09:48,240

wrapped up

275

00:09:55,509 --> 00:09:52,080

uh nids which i think was around 2004.

276

00:09:57,670 --> 00:09:55,519

so and it is possible although i think

277

00:09:58,550 --> 00:09:57,680

uh less likely it is possible but that

278

00:10:00,949 --> 00:09:58,560

uh someone

279

00:10:02,790 --> 00:10:00,959

from the inside in the pentagon

280

00:10:03,670 --> 00:10:02,800

basically while your inside guy is lou

281

00:10:07,190 --> 00:10:03,680

elizondo

282

00:10:10,069 --> 00:10:07,200

somebody that he was uh

283

00:10:10,870 --> 00:10:10,079

working with or knew acquired curious

284

00:10:13,670 --> 00:10:10,880

debris

285

00:10:15,670 --> 00:10:13,680

inside within the the defense industry

286

00:10:18,790 --> 00:10:15,680

and then passed that back to bigelow

287

00:10:20,710 --> 00:10:18,800

to be tested i tend to think that's not

288

00:10:21,590 --> 00:10:20,720

the case uh for a bunch of reasons which

289

00:10:24,870 --> 00:10:21,600

i'll again

290

00:10:26,710 --> 00:10:24,880

elaborate on as we go along but

291

00:10:28,389 --> 00:10:26,720

that's where it's at uh that's uh the

292

00:10:30,310 --> 00:10:28,399

headline that tony wrote

293

00:10:31,590 --> 00:10:30,320

and uh i would like to ask you if you

294

00:10:34,310 --> 00:10:31,600

don't mind um

295

00:10:36,069 --> 00:10:34,320

the admits part of this title and then i

296

00:10:38,949 --> 00:10:36,079

want to touch on a few things regarding

297

00:10:41,829 --> 00:10:38,959

uh robert bigelow if you don't mind

298

00:10:43,110 --> 00:10:41,839

but uh you asked what uh anything i

299

00:10:46,710 --> 00:10:43,120

wanted to talk about

300

00:10:48,630 --> 00:10:46,720

i wanted to touch on the title of this

301
00:10:49,910 --> 00:10:48,640
article and then just a few things that

302
00:10:53,269 --> 00:10:49,920
robert bigelow was

303
00:10:56,550 --> 00:10:53,279
involved in regarding some patents but

304
00:10:57,350 --> 00:10:56,560
the admits part of this title do you see

305
00:10:59,670 --> 00:10:57,360
the admits

306
00:11:04,310 --> 00:10:59,680
part in this article at all where it

307
00:11:08,470 --> 00:11:06,550
well yeah uh basically it's the sentence

308
00:11:11,750 --> 00:11:08,480
requesting all information on

309
00:11:13,990 --> 00:11:11,760
test results from the uap material from

310
00:11:17,750 --> 00:11:14,000
bigelow aerospace

311
00:11:20,949 --> 00:11:17,760
okay so so do you feel that that may

312
00:11:24,310 --> 00:11:20,959
be it equals admits

313
00:11:26,150 --> 00:11:24,320

in other words is that what justifies

314

00:11:29,269 --> 00:11:26,160

the title of the article

315

00:11:29,750 --> 00:11:29,279

by tony well yeah i think uh that's uh

316

00:11:37,670 --> 00:11:29,760

that

317

00:11:40,230 --> 00:11:37,680

headline i'm asking because the

318

00:11:41,430 --> 00:11:40,240

naysayers are the detractors or critics

319

00:11:44,470 --> 00:11:41,440

of this title

320

00:11:46,710 --> 00:11:44,480

uh may be able to refer to you

321

00:11:47,509 --> 00:11:46,720

regarding your answer there in case they

322

00:11:50,470 --> 00:11:47,519

have not

323

00:11:51,750 --> 00:11:50,480

looked hard enough through the article

324

00:11:55,750 --> 00:11:51,760

or the article

325

00:11:56,069 --> 00:11:55,760

tony wrote in order to understand why he

326

00:11:58,389 --> 00:11:56,079

may

327

00:11:59,990 --> 00:11:58,399

have come to that conclusion i think

328

00:12:01,750 --> 00:12:00,000

what's important is uh

329

00:12:03,750 --> 00:12:01,760

more important is people actually read

330

00:12:05,670 --> 00:12:03,760

the article tony wrote and come to their

331

00:12:08,790 --> 00:12:05,680

own conclusion regarding whether

332

00:12:11,269 --> 00:12:08,800

uh uh you know what they feel

333

00:12:13,430 --> 00:12:11,279

uh the government decided to give to

334

00:12:16,629 --> 00:12:13,440

tony if it was of import or not

335

00:12:18,310 --> 00:12:16,639

now i wanted to mention uh the few a few

336

00:12:20,150 --> 00:12:18,320

patents by robert bigelow

337

00:12:21,509 --> 00:12:20,160

and why he might be interested in

338

00:12:23,590 --> 00:12:21,519

metamaterial

339

00:12:25,030 --> 00:12:23,600

or super alloys which you'll touch on

340

00:12:29,750 --> 00:12:25,040

later in the show

341

00:12:30,870 --> 00:12:29,760

and that is uh as early as 2006 i

342

00:12:34,069 --> 00:12:30,880

believe it was

343

00:12:36,310 --> 00:12:34,079

i'm sorry 2011 he got involved in

344

00:12:39,910 --> 00:12:36,320

spacecraft magnetic shield

345

00:12:40,790 --> 00:12:39,920

patent and uh that's an apparatus that

346

00:12:44,310 --> 00:12:40,800

he worked on

347

00:12:46,710 --> 00:12:44,320

um with uh looks like it was a

348

00:12:48,389 --> 00:12:46,720

filled it was created through a grant

349

00:12:50,870 --> 00:12:48,399

and then another was a cover for use

350

00:12:53,990 --> 00:12:50,880

with an inflatable modular structure

351

00:12:55,430 --> 00:12:54,000

and that's for a different planet and

352

00:12:58,470 --> 00:12:55,440

then a spacecraft

353

00:13:01,269 --> 00:12:58,480

shield a space a super

354

00:13:01,910 --> 00:13:01,279

let's see a space station configuration

355

00:13:03,670 --> 00:13:01,920

and

356

00:13:05,350 --> 00:13:03,680

then moving along because there's quite

357

00:13:06,949 --> 00:13:05,360

a few different spacecraft related

358

00:13:10,870 --> 00:13:06,959

patents here

359

00:13:14,389 --> 00:13:10,880

as early as as recent as

360

00:13:18,310 --> 00:13:14,399

2000 uh

361

00:13:20,230 --> 00:13:18,320

looks like 16 we have colm kelleher

362

00:13:21,990 --> 00:13:20,240

along with many other folks but i say

363

00:13:23,509 --> 00:13:22,000

colm kelleher because he's well known in

364

00:13:26,710 --> 00:13:23,519

the ufo community

365

00:13:28,389 --> 00:13:26,720

that worked on a water reuse system

366

00:13:30,230 --> 00:13:28,399

i am imagine it has to do with

367

00:13:32,829 --> 00:13:30,240

repurposing water

368

00:13:36,150 --> 00:13:32,839

and that was with the robert bigelow in

369

00:13:38,629 --> 00:13:36,160

2017. and then in 2017 we have colm

370

00:13:41,670 --> 00:13:38,639

kelleher involved with robert bigelow

371

00:13:44,150 --> 00:13:41,680

and a plethora of other folks regarding

372

00:13:46,949 --> 00:13:44,160

spacecraft carbon dioxide removal system

373

00:13:48,150 --> 00:13:46,959

every single one of these patents um or

374

00:13:50,230 --> 00:13:48,160

most of them

375

00:13:52,150 --> 00:13:50,240

looks like would involve a medal of some

376

00:13:53,110 --> 00:13:52,160

kind it makes sense to me why he would

377

00:13:56,150 --> 00:13:53,120

be interested

378

00:13:56,870 --> 00:13:56,160

that being robert bigelow in uh uh super

379

00:13:58,389 --> 00:13:56,880

alloy

380

00:14:00,230 --> 00:13:58,399

to be able to deal with the tough

381

00:14:03,509 --> 00:14:00,240

atmospheres that he might be uh

382

00:14:05,509 --> 00:14:03,519

steadily working on uh coming to

383

00:14:07,829 --> 00:14:05,519

fruition so the government can use them

384

00:14:10,710 --> 00:14:07,839

if they decide to go to another planet

385

00:14:11,189 --> 00:14:10,720

sure absolutely and uh you know you see

386

00:14:12,629 --> 00:14:11,199

keller

387

00:14:15,269 --> 00:14:12,639

uh do you have uh some of those other

388

00:14:16,710 --> 00:14:15,279

names uh that are involved in frontier

389

00:14:18,629 --> 00:14:16,720

you want to read a couple of those off i

390

00:14:19,990 --> 00:14:18,639

mean i might i don't have it in front of

391

00:14:21,269 --> 00:14:20,000

me what you've got in front of you so

392

00:14:21,910 --> 00:14:21,279

there might be some interesting names

393

00:14:23,829 --> 00:14:21,920

there

394

00:14:25,350 --> 00:14:23,839

what i'm going to do while i'm

395

00:14:26,710 --> 00:14:25,360

mentioning them is i'm going to also

396

00:14:28,230 --> 00:14:26,720

give you the link here so you have

397

00:14:30,470 --> 00:14:28,240

access to actually

398

00:14:32,310 --> 00:14:30,480

uh grabbing it so just one sec take me

399

00:14:34,069 --> 00:14:32,320

about to five seconds here

400

00:14:35,829 --> 00:14:34,079

all right so it looks like some of the

401

00:14:39,750 --> 00:14:35,839

other names involved here

402

00:14:43,030 --> 00:14:39,760

uh are uh lorenzo flores juan palata

403

00:14:46,310 --> 00:14:43,040

jared rugg derek johnson david birchler

404

00:14:48,389 --> 00:14:46,320

daniel krazan philip fowler and that was

405

00:14:50,629 --> 00:14:48,399

for the spacecraft carbon dioxide

406

00:14:53,509 --> 00:14:50,639

removal system in 2017

407

00:14:54,949 --> 00:14:53,519

then we also have the water reuse system

408

00:14:57,910 --> 00:14:54,959

which involved of course

409

00:14:58,710 --> 00:14:57,920

robert bigelow sherwin gromley called

410

00:15:01,670 --> 00:14:58,720

kelleher

411

00:15:02,870 --> 00:15:01,680

robert hill keith cooker um so i'm just

412

00:15:04,389 --> 00:15:02,880

going to see if

413

00:15:06,310 --> 00:15:04,399

yeah none of that none of those names

414

00:15:08,150 --> 00:15:06,320

immediately jump out to me as familiar

415

00:15:10,069 --> 00:15:08,160

but if they do to somebody else you know

416

00:15:11,990 --> 00:15:10,079

then here's your opportunity to follow

417

00:15:14,069 --> 00:15:12,000

up a little bit so that that's basically

418

00:15:15,350 --> 00:15:14,079

where that is uh but uh one thing i do

419

00:15:17,910 --> 00:15:15,360

want to stress and

420

00:15:19,990 --> 00:15:17,920

uh people get all always bogged down in

421

00:15:22,389 --> 00:15:20,000

the denotations and

422

00:15:24,150 --> 00:15:22,399

uh don't look at the connotation even if

423

00:15:26,310 --> 00:15:24,160

you disagree with the headline even if

424

00:15:28,230 --> 00:15:26,320

you disagree with some of uh tony's

425

00:15:29,990 --> 00:15:28,240

conclusions that article is really an

426

00:15:31,590 --> 00:15:30,000

excellent article because he does go

427

00:15:34,790 --> 00:15:31,600

into a lot of detail

428

00:15:37,030 --> 00:15:34,800

about uh the history of

429

00:15:38,069 --> 00:15:37,040

materials advancement especially in

430

00:15:40,470 --> 00:15:38,079

relation to

431

00:15:42,870 --> 00:15:40,480

uh nitinol throughout the article so

432

00:15:45,110 --> 00:15:42,880

that that's why it's so important

433

00:15:45,990 --> 00:15:45,120

yeah don't again uh don't get uh bogged

434

00:15:47,749 --> 00:15:46,000

down

435

00:15:49,990 --> 00:15:47,759

tony bergelia is not somebody like a

436

00:15:51,670 --> 00:15:50,000

corey good who just makes things up or

437

00:15:54,230 --> 00:15:51,680

uh you know some of the other fantasists

438

00:15:55,749 --> 00:15:54,240

that are out there in the field

439

00:15:57,590 --> 00:15:55,759

you don't have to agree with all of his

440

00:15:59,430 --> 00:15:57,600

conclusions about what he found

441

00:16:00,710 --> 00:15:59,440

to take a closer look at what he found

442

00:16:02,710 --> 00:16:00,720

and get something out of it i

443

00:16:03,749 --> 00:16:02,720

that's that's uh that's a point that i

444

00:16:06,790 --> 00:16:03,759

really want to stress

445

00:16:08,949 --> 00:16:06,800

to everybody out there and another thing

446

00:16:09,509 --> 00:16:08,959

that has uh led to some criticism is of

447

00:16:12,389 --> 00:16:09,519

course

448

00:16:14,310 --> 00:16:12,399

uh mainstream publication so i have

449

00:16:15,110 --> 00:16:14,320

picked up on this and uh the most famous

450

00:16:18,069 --> 00:16:15,120

of that is

451

00:16:20,230 --> 00:16:18,079

uh the uh british tabloid the sun and uh

452

00:16:21,910 --> 00:16:20,240

people are uh finding issue with that

453

00:16:23,829 --> 00:16:21,920

the fact that the sun's owned by rupert

454

00:16:24,310 --> 00:16:23,839

murdoch it's uh something that's called

455

00:16:27,430 --> 00:16:24,320

a uh

456

00:16:29,910 --> 00:16:27,440

a red top over in england and it's uh uh

457

00:16:31,749 --> 00:16:29,920

not always uh necessarily held in

458

00:16:33,670 --> 00:16:31,759

high regard from a journalistic

459

00:16:35,430 --> 00:16:33,680

standpoint uh they picked up on the

460

00:16:36,790 --> 00:16:35,440

story and they're running with it and

461

00:16:39,110 --> 00:16:36,800

uh just the fact that they're running

462

00:16:41,350 --> 00:16:39,120

with it has uh brought some heat about

463

00:16:42,710 --> 00:16:41,360

uh brought some criticism about and i i

464

00:16:45,430 --> 00:16:42,720

think uh that is uh

465

00:16:45,829 --> 00:16:45,440

uh actually uh uh not a good thing again

466

00:16:49,269 --> 00:16:45,839

uh

467

00:16:49,990 --> 00:16:49,279

the headline and reading the article and

468

00:16:51,350 --> 00:16:50,000

saying hey

469

00:16:53,590 --> 00:16:51,360

that's actually a pretty interesting

470

00:16:57,269 --> 00:16:53,600

article and

471

00:16:58,629 --> 00:16:57,279

a few things about that the sun has uh

472

00:17:00,230 --> 00:16:58,639

and i know this can be taken

473

00:17:01,030 --> 00:17:00,240

tongue-in-cheek but it is actually a

474

00:17:04,549 --> 00:17:01,040

fact

475

00:17:07,350 --> 00:17:04,559

the sun has actually published many

476
00:17:08,390 --> 00:17:07,360
credit credible articles that were all

477
00:17:11,750 --> 00:17:08,400
fact related

478
00:17:14,789 --> 00:17:11,760
i know because i have uh

479
00:17:18,069 --> 00:17:14,799
to vet them all the time

480
00:17:20,549 --> 00:17:18,079
regarding certain content on facebook

481
00:17:21,990 --> 00:17:20,559
that i have to approve or not approve at

482
00:17:27,110 --> 00:17:22,000
times occasionally

483
00:17:29,909 --> 00:17:27,120
and um just moving along here

484
00:17:32,549 --> 00:17:29,919
we both know that it doesn't matter

485
00:17:34,789 --> 00:17:32,559
whether it was fox news or cnn

486
00:17:36,470 --> 00:17:34,799
or scientific journal that allowed this

487
00:17:38,549 --> 00:17:36,480
to be published

488
00:17:39,590 --> 00:17:38,559

folks would find a problem with it no

489

00:17:42,310 --> 00:17:39,600

matter what

490

00:17:42,710 --> 00:17:42,320

and that's just how the ufo community is

491

00:17:44,470 --> 00:17:42,720

well

492

00:17:46,230 --> 00:17:44,480

that's how that's how every every

493

00:17:48,710 --> 00:17:46,240

community is uh

494

00:17:49,350 --> 00:17:48,720

there's been criticism of the fact that

495

00:17:51,750 --> 00:17:49,360

uh some

496

00:17:53,350 --> 00:17:51,760

uh tsa folks have appeared on with that

497

00:17:54,630 --> 00:17:53,360

tucker carlson and they don't like some

498

00:17:56,630 --> 00:17:54,640

of his other content

499

00:17:57,909 --> 00:17:56,640

so suddenly they have a problem with the

500

00:18:00,950 --> 00:17:57,919

ufc honestly

501
00:18:01,590 --> 00:18:00,960
more so with the ufo community i i say

502
00:18:05,830 --> 00:18:01,600
that

503
00:18:07,909 --> 00:18:05,840
because uh in the ufo community uh

504
00:18:10,070 --> 00:18:07,919
i have found often times a lot of

505
00:18:12,789 --> 00:18:10,080
criticism that was unwarranted

506
00:18:13,990 --> 00:18:12,799
but it's usually by people who like to

507
00:18:16,390 --> 00:18:14,000
just troll for the sake

508
00:18:17,270 --> 00:18:16,400
of doing it so i agree with what you're

509
00:18:19,510 --> 00:18:17,280
saying you know it's

510
00:18:22,470 --> 00:18:19,520
it it really doesn't matter whether it

511
00:18:27,590 --> 00:18:25,510
if it was the sun which is uh one of the

512
00:18:29,750 --> 00:18:27,600
biggest publications on the internet

513
00:18:31,190 --> 00:18:29,760

i say good because it reaches more

514

00:18:33,909 --> 00:18:31,200

people so that they'll become more

515

00:18:35,909 --> 00:18:33,919

educated on this topic

516

00:18:37,029 --> 00:18:35,919

okay and uh yeah i do want to jump back

517

00:18:39,510 --> 00:18:37,039

to a quote

518

00:18:41,350 --> 00:18:39,520

from tony's original article the

519

00:18:42,150 --> 00:18:41,360

information provided in the foyer

520

00:18:44,390 --> 00:18:42,160

response

521

00:18:46,390 --> 00:18:44,400

seems to represent reports that are

522

00:18:48,630 --> 00:18:46,400

directly relevant to what was learned

523

00:18:50,789 --> 00:18:48,640

uh from the study of view of the ufo

524

00:18:52,950 --> 00:18:50,799

debris and how insight gained from those

525

00:18:55,350 --> 00:18:52,960

studies might be applied in the future

526
00:18:55,990 --> 00:18:55,360
but does not include a detailing of the

527
00:18:57,909 --> 00:18:56,000
found debris

528
00:18:59,270 --> 00:18:57,919
itself so that that's pretty important

529
00:19:01,510 --> 00:18:59,280
you know tony kind of

530
00:19:03,029 --> 00:19:01,520
uh reins back in and the actual article

531
00:19:05,510 --> 00:19:03,039
itself is compared with

532
00:19:06,470 --> 00:19:05,520
you know again a headline that is uh by

533
00:19:08,150 --> 00:19:06,480
design

534
00:19:09,590 --> 00:19:08,160
intended to draw attention to the

535
00:19:12,150 --> 00:19:09,600
article and like i say

536
00:19:13,990 --> 00:19:12,160
i think honestly if you're not doing

537
00:19:17,029 --> 00:19:14,000
that or not trying to do that

538
00:19:19,350 --> 00:19:17,039

then you know your material is going to

539

00:19:21,510 --> 00:19:19,360

get lost to tell you the truth

540

00:19:23,510 --> 00:19:21,520

so so that so there's so there's that

541

00:19:26,470 --> 00:19:23,520

now certainly this has not gotten lost

542

00:19:28,150 --> 00:19:26,480

and uh it did prompt uh ufo uh

543

00:19:31,430 --> 00:19:28,160

researcher roger glassell

544

00:19:31,990 --> 00:19:31,440

uh to uh contact uh susan huff i believe

545

00:19:35,029 --> 00:19:32,000

is how

546

00:19:35,590 --> 00:19:35,039

uh or susan go i believe it might be or

547

00:19:37,270 --> 00:19:35,600

guff

548

00:19:39,310 --> 00:19:37,280

i'm not sure exactly how her last name

549

00:19:40,789 --> 00:19:39,320

is pronounced but uh there you see a

550

00:19:43,110 --> 00:19:40,799

g-o-u-g-h

551
00:19:44,150 --> 00:19:43,120
uh she is a defense uh department

552
00:19:46,950 --> 00:19:44,160
spokesperson

553
00:19:48,710 --> 00:19:46,960
and uh her her response to all this

554
00:19:50,390 --> 00:19:48,720
roger those appear to be copies of a

555
00:19:52,549 --> 00:19:50,400
legitimate four-year request and the

556
00:19:55,110 --> 00:19:52,559
response provided to the requester

557
00:19:55,669 --> 00:19:55,120
uh and yeah i mean we're not doubting

558
00:19:58,710 --> 00:19:55,679
that

559
00:20:00,710 --> 00:19:58,720
in fact uh the titles of all the uh

560
00:20:02,310 --> 00:20:00,720
uh the durds that were released uh were

561
00:20:03,830 --> 00:20:02,320
available before and uh

562
00:20:05,669 --> 00:20:03,840
they are legitimate there's no doubt

563
00:20:07,909 --> 00:20:05,679

about that i'm aware that those

564

00:20:10,710 --> 00:20:07,919

there have been some social media

565

00:20:14,230 --> 00:20:10,720

chatter uh regarding those so i would

566

00:20:18,230 --> 00:20:14,240

like to also point for you

567

00:20:19,909 --> 00:20:18,240

okay

568

00:20:21,669 --> 00:20:19,919

that read a little weird uh but uh

569

00:20:23,909 --> 00:20:21,679

that's uh obviously a quick and uh

570

00:20:25,909 --> 00:20:23,919

a real quick response uh the testing

571

00:20:27,750 --> 00:20:25,919

referred to in the documents released by

572

00:20:29,270 --> 00:20:27,760

the defense intelligence agency under

573

00:20:31,510 --> 00:20:29,280

the freedom of information act

574

00:20:32,470 --> 00:20:31,520

was of known materials conducted for

575

00:20:34,710 --> 00:20:32,480

study purposes

576
00:20:36,630 --> 00:20:34,720
uh pursuant to the advanced aerospace

577
00:20:37,270 --> 00:20:36,640
threat and identification program's

578
00:20:39,750 --> 00:20:37,280
mission

579
00:20:40,390 --> 00:20:39,760
of establishing a center of expertise

580
00:20:43,190 --> 00:20:40,400
for

581
00:20:44,230 --> 00:20:43,200
advanced aerospace technology any claims

582
00:20:46,950 --> 00:20:44,240
that the tests

583
00:20:48,950 --> 00:20:46,960
are of debris are inaccurate and

584
00:20:50,789 --> 00:20:48,960
misleading so

585
00:20:52,390 --> 00:20:50,799
you know i mean that's where that's at

586
00:20:55,430 --> 00:20:52,400
and i i wouldn't be uh

587
00:20:57,190 --> 00:20:55,440
uh terribly uh concerned about that uh

588
00:20:59,190 --> 00:20:57,200

again the the proof is in the pudding

589

00:21:01,830 --> 00:20:59,200

the proof is in there the actual uh

590

00:21:02,630 --> 00:21:01,840

uh releases themselves the actual papers

591

00:21:05,029 --> 00:21:02,640

themselves and

592

00:21:05,669 --> 00:21:05,039

like i said i'm going to dig into them a

593

00:21:09,669 --> 00:21:05,679

little bit

594

00:21:11,669 --> 00:21:09,679

more as we go along and uh

595

00:21:12,950 --> 00:21:11,679

and again how you want to interpret them

596

00:21:13,990 --> 00:21:12,960

or how you want to interpret the

597

00:21:16,630 --> 00:21:14,000

interpretation

598

00:21:18,710 --> 00:21:16,640

that uh uh well all that leads you into

599

00:21:20,230 --> 00:21:18,720

is a lot of uh traps of language

600

00:21:23,029 --> 00:21:20,240

arguments and that's uh

601
00:21:24,149 --> 00:21:23,039
uh not what we're here to get into so uh

602
00:21:27,270 --> 00:21:24,159
basically that's that

603
00:21:28,470 --> 00:21:27,280
that's the story and uh we'll uh we'll

604
00:21:31,029 --> 00:21:28,480
be ready to move on

605
00:21:33,669 --> 00:21:31,039
to the other topic and get into a little

606
00:21:37,350 --> 00:21:33,679
bit more about uh robert bigelow

607
00:21:38,950 --> 00:21:37,360
and uh his long time interest uh this

608
00:21:40,630 --> 00:21:38,960
isn't really going to take that long

609
00:21:42,710 --> 00:21:40,640
so uh chan if you have any follow up on

610
00:21:45,909 --> 00:21:42,720
that this will uh just basically

611
00:21:49,270 --> 00:21:45,919
at the nin's website again uh bigelow uh

612
00:21:50,310 --> 00:21:49,280
has when he was running nins uh did in

613
00:21:53,590 --> 00:21:50,320

fact acquire

614

00:21:54,149 --> 00:21:53,600

uh anomalous uh debris uh including the

615

00:21:58,470 --> 00:21:54,159

uh

616

00:22:01,830 --> 00:21:58,480

also apparently

617

00:22:05,990 --> 00:22:01,840

acquired implants retrieved by

618

00:22:08,149 --> 00:22:06,000

dr roger lear and had those tested

619

00:22:10,149 --> 00:22:08,159

published the test results and in fact

620

00:22:11,830 --> 00:22:10,159

they're not anomalous they're

621

00:22:13,270 --> 00:22:11,840

at least relating that to the test

622

00:22:15,350 --> 00:22:13,280

results that he published that their

623

00:22:16,789 --> 00:22:15,360

their uh ordinary materials so uh

624

00:22:19,909 --> 00:22:16,799

nothing fancy there

625

00:22:22,230 --> 00:22:19,919

let's also remember that hal put off uh

626
00:22:26,310 --> 00:22:22,240
was involved in this a-tip program

627
00:22:28,710 --> 00:22:26,320
and uh uh he is uh

628
00:22:29,590 --> 00:22:28,720
had access to the the infamous uh

629
00:22:32,549 --> 00:22:29,600
business uh

630
00:22:33,590 --> 00:22:32,559
bismuth magnesium arts parts piece for

631
00:22:35,909 --> 00:22:33,600
some time

632
00:22:37,909 --> 00:22:35,919
that may well have uh fallen into the

633
00:22:42,310 --> 00:22:37,919
hands of robert bigelow

634
00:22:45,350 --> 00:22:42,320
in a 2007 presentation before

635
00:22:48,149 --> 00:22:45,360
the uh contact in the desert audience

636
00:22:50,390 --> 00:22:48,159
jacques villa talked extensively about

637
00:22:53,510 --> 00:22:50,400
his own research into the materials

638
00:22:57,750 --> 00:22:53,520

and also discussed some materials that

639

00:22:59,350 --> 00:22:57,760

were known to exist or thought to exist

640

00:23:00,789 --> 00:22:59,360

but that he didn't necessarily have

641

00:23:04,310 --> 00:23:00,799

access to

642

00:23:05,909 --> 00:23:04,320

one of those items listed was in fact

643

00:23:08,390 --> 00:23:05,919

material that apparently bigelow

644

00:23:11,110 --> 00:23:08,400

recovered at the skinwalker ranch

645

00:23:12,630 --> 00:23:11,120

so there's that and plus again there may

646

00:23:14,789 --> 00:23:12,640

be some other material

647

00:23:15,830 --> 00:23:14,799

that we don't know about that that he

648

00:23:18,870 --> 00:23:15,840

was able to

649

00:23:21,430 --> 00:23:18,880

acquire now a few months back

650

00:23:22,870 --> 00:23:21,440

it was reported that there was a a

651

00:23:26,149 --> 00:23:22,880

10-month report

652

00:23:30,070 --> 00:23:26,159

provided by bigelow to the pentagon

653

00:23:30,630 --> 00:23:30,080

uh i assume elizondo uh for uh for his

654

00:23:33,590 --> 00:23:30,640

read

655

00:23:34,789 --> 00:23:33,600

a very lengthy thick report we know very

656

00:23:37,029 --> 00:23:34,799

little about what's in it

657

00:23:39,110 --> 00:23:37,039

but my guess is that uh certainly some

658

00:23:41,990 --> 00:23:39,120

of it covered the materials

659

00:23:43,990 --> 00:23:42,000

and again i think uh there is some

660

00:23:46,710 --> 00:23:44,000

question here as to whether or not

661

00:23:48,630 --> 00:23:46,720

the pentagon itself uh something from uh

662

00:23:49,990 --> 00:23:48,640

within the defense department went over

663

00:23:51,590 --> 00:23:50,000

to bigelow for testing

664

00:23:53,750 --> 00:23:51,600

i'm a little bit skeptical of that i

665

00:23:54,549 --> 00:23:53,760

need to see in fact i'm very skeptical

666

00:23:57,190 --> 00:23:54,559

of that

667

00:23:58,230 --> 00:23:57,200

uh for reasons that uh the the military

668

00:24:01,350 --> 00:23:58,240

has its own

669

00:24:03,029 --> 00:24:01,360

uh well-researched labs much better than

670

00:24:04,710 --> 00:24:03,039

bigelow could have put together in a

671

00:24:06,789 --> 00:24:04,720

very short period of time

672

00:24:08,390 --> 00:24:06,799

the dia is right down the street from a

673

00:24:10,870 --> 00:24:08,400

naval research lab

674

00:24:12,710 --> 00:24:10,880

uh the the military has access and

675

00:24:14,789 --> 00:24:12,720

long-standing uh working relationship

676

00:24:17,590 --> 00:24:14,799

with the battelle memorial institute

677

00:24:18,310 --> 00:24:17,600

certainly on the the limited funds that

678

00:24:20,789 --> 00:24:18,320

bigelow

679

00:24:22,149 --> 00:24:20,799

uh had to put something together uh he

680

00:24:23,029 --> 00:24:22,159

couldn't have matched the kind of work

681

00:24:25,110 --> 00:24:23,039

that those uh

682

00:24:27,669 --> 00:24:25,120

organizations could have done so i think

683

00:24:30,230 --> 00:24:27,679

it's highly unlikely unless

684

00:24:31,750 --> 00:24:30,240

again by chance uh that uh somebody

685

00:24:33,190 --> 00:24:31,760

within the defense department was able

686

00:24:35,669 --> 00:24:33,200

to get their hands on something

687

00:24:36,470 --> 00:24:35,679

and pass it over to bigelow for for a

688

00:24:38,230 --> 00:24:36,480

test at his

689

00:24:40,070 --> 00:24:38,240

uh whatever facilities he was able to

690

00:24:43,350 --> 00:24:40,080

cobble together out there in vegas

691

00:24:44,149 --> 00:24:43,360

but um still uh you know i would need to

692

00:24:46,549 --> 00:24:44,159

see more

693

00:24:48,950 --> 00:24:46,559

before i i hold it out there as a

694

00:24:50,870 --> 00:24:48,960

possibility but i would need to see more

695

00:24:52,789 --> 00:24:50,880

before i said that was a certainty but

696

00:24:55,590 --> 00:24:52,799

obviously there's no question

697

00:24:56,789 --> 00:24:55,600

materials were of great interest to this

698

00:24:58,549 --> 00:24:56,799

particular research

699

00:24:59,990 --> 00:24:58,559

and to a lot of other research that's

700

00:25:02,390 --> 00:25:00,000

gone on uh in

701

00:25:04,310 --> 00:25:02,400

and around the ufo field going back

702

00:25:07,190 --> 00:25:04,320

almost 75 years now

703

00:25:08,870 --> 00:25:07,200

so there's that there's the the robert

704

00:25:11,990 --> 00:25:08,880

the robert bigelow update

705

00:25:12,710 --> 00:25:12,000

and then basically what i want to do now

706

00:25:15,350 --> 00:25:12,720

is to go

707

00:25:16,310 --> 00:25:15,360

and do a little bit more detail on those

708

00:25:29,830 --> 00:25:16,320

uh

709

00:25:32,950 --> 00:25:29,840

next topic

710

00:25:34,549 --> 00:25:32,960

yes i just wanted to mention for our uh

711

00:25:37,190 --> 00:25:34,559

listener's sake uh

712

00:25:38,630 --> 00:25:37,200

that uh linda molten howe uh claimed

713

00:25:41,510 --> 00:25:38,640

that she and art bell

714

00:25:43,110 --> 00:25:41,520

um of course if people don't know who

715

00:25:46,390 --> 00:25:43,120

art bell was he was the co

716

00:25:48,870 --> 00:25:46,400

the original uh late night host

717

00:25:49,750 --> 00:25:48,880

uh i'm sorry the host of coast to coast

718

00:25:52,029 --> 00:25:49,760

am

719

00:25:53,510 --> 00:25:52,039

and he acquired the medal with her in

720

00:25:57,430 --> 00:25:53,520

1996

721

00:25:59,750 --> 00:25:57,440

um and uh on linda moulton house website

722

00:26:01,990 --> 00:25:59,760

which is on earthfiles.com

723

00:26:02,950 --> 00:26:02,000

she has a tiny little screen grab that

724

00:26:05,590 --> 00:26:02,960

says

725

00:26:06,630 --> 00:26:05,600

granddad spent a total of 26 weeks in

726
00:26:08,549 --> 00:26:06,640
the team

727
00:26:10,710 --> 00:26:08,559
that examined and debriefed the lone

728
00:26:13,190 --> 00:26:10,720
survivor of the roswell crash

729
00:26:14,230 --> 00:26:13,200
granddad's affiliation with the project

730
00:26:16,070 --> 00:26:14,240
in quotes

731
00:26:18,310 --> 00:26:16,080
ended when the occupant was to be

732
00:26:21,510 --> 00:26:18,320
transported to a long-term facility

733
00:26:22,310 --> 00:26:21,520
he was placed on board a usaf transport

734
00:26:24,789 --> 00:26:22,320
aircraft

735
00:26:26,630 --> 00:26:24,799
that was to be sent to washington dc the

736
00:26:28,149 --> 00:26:26,640
aircraft and all aboard disappeared

737
00:26:30,630 --> 00:26:28,159
under the mysterious and disturbing

738
00:26:32,789 --> 00:26:30,640

circumstances in route to washington dc

739

00:26:34,149 --> 00:26:32,799

above this little tiny screen grab that

740

00:26:36,710 --> 00:26:34,159

she has

741

00:26:38,470 --> 00:26:36,720

of the text i just relayed to you all

742

00:26:41,669 --> 00:26:38,480

there is a picture of

743

00:26:44,950 --> 00:26:41,679

a mysterious bismuth and magnesium zinc

744

00:26:48,310 --> 00:26:44,960

metal is what it says here as a title

745

00:26:48,710 --> 00:26:48,320

uh from bottom of wedge-shaped ufo uh on

746

00:26:51,029 --> 00:26:48,720

her

747

00:26:52,310 --> 00:26:51,039

research updates so it's just important

748

00:26:54,870 --> 00:26:52,320

that uh folks

749

00:26:55,990 --> 00:26:54,880

understand a little bit of background

750

00:26:57,750 --> 00:26:56,000

alleged history

751
00:26:59,510 --> 00:26:57,760
regarding this meta material that

752
00:27:01,590 --> 00:26:59,520
continuously comes up

753
00:27:02,710 --> 00:27:01,600
when people talk about it in the ufo

754
00:27:04,390 --> 00:27:02,720
community

755
00:27:06,390 --> 00:27:04,400
yeah there are a lot of pieces that are

756
00:27:08,630 --> 00:27:06,400
floating around that uh

757
00:27:09,909 --> 00:27:08,640
you know have been tested uh some of

758
00:27:11,830 --> 00:27:09,919
them uh

759
00:27:13,110 --> 00:27:11,840
have come up very curious not all of

760
00:27:15,590 --> 00:27:13,120
them most of them

761
00:27:18,470 --> 00:27:15,600
uh basically get explained as uh you

762
00:27:21,350 --> 00:27:18,480
know being a mundane explainable not uh

763
00:27:22,230 --> 00:27:21,360

not necessary yeah nothing that would

764

00:27:24,310 --> 00:27:22,240

indicate that

765

00:27:25,750 --> 00:27:24,320

it might have been manufactured from

766

00:27:26,710 --> 00:27:25,760

some other planet some advanced

767

00:27:30,230 --> 00:27:26,720

civilization well

768

00:27:33,990 --> 00:27:30,240

allegedly and according to linda howe

769

00:27:37,110 --> 00:27:34,000

and uh i'm sorry it was

770

00:27:39,990 --> 00:27:37,120

the long they they both believe

771

00:27:40,389 --> 00:27:40,000

that if there's enough terror hurts uh

772

00:27:41,990 --> 00:27:40,399

that

773

00:27:43,669 --> 00:27:42,000

it's hit with it being the amount of

774

00:27:47,110 --> 00:27:43,679

material that uh

775

00:27:49,350 --> 00:27:47,120

uh was paid for by tsa i think it was

776
00:27:51,590 --> 00:27:49,360
35 grand they paid for it

777
00:27:53,830 --> 00:27:51,600
that with it's hit hit with enough

778
00:27:56,870 --> 00:27:53,840
terahertz it will actually float

779
00:27:59,110 --> 00:27:56,880
float in the air so uh

780
00:28:00,230 --> 00:27:59,120
that's also important for our listeners

781
00:28:01,990 --> 00:28:00,240
to understand yeah

782
00:28:03,750 --> 00:28:02,000
that claim is out there and you know i'd

783
00:28:05,830 --> 00:28:03,760
like to see it if it's by but uh

784
00:28:07,510 --> 00:28:05,840
you know i am uh about that particular

785
00:28:09,269 --> 00:28:07,520
that piece in particular i am

786
00:28:10,549 --> 00:28:09,279
uh uh more than a little bit skeptical

787
00:28:14,070 --> 00:28:10,559
about yeah

788
00:28:14,950 --> 00:28:14,080

so am i so so uh ready to move on to uh

789

00:28:18,389 --> 00:28:14,960

the next segment

790

00:28:20,789 --> 00:28:18,399

okay okay so

791

00:28:23,269 --> 00:28:20,799

let's get into the meet a little bit of

792

00:28:23,669 --> 00:28:23,279

these papers and provide an overview of

793

00:28:26,710 --> 00:28:23,679

these

794

00:28:29,750 --> 00:28:26,720

overview papers that were

795

00:28:32,470 --> 00:28:29,760

commissioned by bigelow and

796

00:28:33,190 --> 00:28:32,480

turned over to the defense intelligence

797

00:28:35,350 --> 00:28:33,200

agency

798

00:28:37,909 --> 00:28:35,360

uh let's start with the first one now

799

00:28:40,710 --> 00:28:37,919

this one had already been available

800

00:28:43,590 --> 00:28:40,720

it is a metallic glasses status and

801
00:28:47,029 --> 00:28:43,600
prospects for aerospace applications

802
00:28:49,510 --> 00:28:47,039
now uh we know that uh these papers were

803
00:28:52,149 --> 00:28:49,520
commissioned for a ufo program

804
00:28:53,590 --> 00:28:52,159
uh we don't know uh and uh i don't even

805
00:28:56,070 --> 00:28:53,600
think it's uh likely that

806
00:28:57,510 --> 00:28:56,080
the authors of these papers uh knew that

807
00:29:01,190 --> 00:28:57,520
they were writing for

808
00:29:04,789 --> 00:29:01,200
a ufo program it was after all the

809
00:29:07,190 --> 00:29:04,799
advanced aerospace weapons uh

810
00:29:08,070 --> 00:29:07,200
threat identification program or uh

811
00:29:11,750 --> 00:29:08,080
whatever

812
00:29:12,470 --> 00:29:11,760
uh acronym they used to commission these

813
00:29:14,310 --> 00:29:12,480

follows so

814

00:29:16,310 --> 00:29:14,320

they may not they likely didn't even

815

00:29:16,950 --> 00:29:16,320

know that they were writing for a ufo

816

00:29:20,630 --> 00:29:16,960

program

817

00:29:23,990 --> 00:29:20,640

interested

818

00:29:24,789 --> 00:29:24,000

in metallic glasses well i can't say for

819

00:29:27,669 --> 00:29:24,799

sure but

820

00:29:28,310 --> 00:29:27,679

we certainly have had witness accounts

821

00:29:31,389 --> 00:29:28,320

where

822

00:29:33,110 --> 00:29:31,399

uh ufos appear to be glass-like or

823

00:29:34,310 --> 00:29:33,120

semi-transparent maybe that had

824

00:29:36,230 --> 00:29:34,320

something to do with it

825

00:29:38,789 --> 00:29:36,240

in the paper the author of john

826

00:29:40,870 --> 00:29:38,799

huffnagle of john hopkins university

827

00:29:42,070 --> 00:29:40,880

says that the metallic glasses at least

828

00:29:44,389 --> 00:29:42,080

that he's writing about

829

00:29:45,909 --> 00:29:44,399

uh aren't uh they're glass but uh they

830

00:29:47,669 --> 00:29:45,919

aren't transparent the way we think of a

831

00:29:48,310 --> 00:29:47,679

window glass or something along those

832

00:29:49,909 --> 00:29:48,320

lines

833

00:29:52,230 --> 00:29:49,919

but be that as it may it had already

834

00:29:54,070 --> 00:29:52,240

been available uh huffnegola seems

835

00:29:56,950 --> 00:29:54,080

dubious about any near-term

836

00:29:58,310 --> 00:29:56,960

usefulness in terms of aerospace or

837

00:30:01,350 --> 00:29:58,320

anything along those lines

838

00:30:02,789 --> 00:30:01,360

and that doesn't provide much detail

839

00:30:05,029 --> 00:30:02,799

regarding a specific

840

00:30:06,230 --> 00:30:05,039

potential applications so at the time of

841

00:30:09,190 --> 00:30:06,240

this writing

842

00:30:09,750 --> 00:30:09,200

my guess is that this particular field

843

00:30:12,549 --> 00:30:09,760

is uh

844

00:30:14,549 --> 00:30:12,559

uh very much in its nascent stages and

845

00:30:15,190 --> 00:30:14,559

uh of the five papers that were released

846

00:30:17,669 --> 00:30:15,200

together

847

00:30:18,230 --> 00:30:17,679

uh this was uh the least interesting to

848

00:30:21,190 --> 00:30:18,240

me

849

00:30:22,789 --> 00:30:21,200

uh with all due respect to uh huffnagle

850

00:30:25,669 --> 00:30:22,799

now uh the second paper

851

00:30:28,710 --> 00:30:25,679

was uh written by uh bruce tau uh this

852

00:30:31,350 --> 00:30:28,720

is a new release on the biomaterials and

853

00:30:32,710 --> 00:30:31,360

uh this was of a particular interest to

854

00:30:35,430 --> 00:30:32,720

tony because of his

855

00:30:37,510 --> 00:30:35,440

interest in nitinol and obviously uh i'm

856

00:30:38,470 --> 00:30:37,520

interested as well nitinol of course uh

857

00:30:42,990 --> 00:30:38,480

titanium

858

00:30:45,909 --> 00:30:43,000

uh it does go into some detail about the

859

00:30:48,070 --> 00:30:45,919

biocompatibility of titanium it is as

860

00:30:51,110 --> 00:30:48,080

far as i know the most biocompatible

861

00:30:54,710 --> 00:30:51,120

of all the metals and is used

862

00:30:57,909 --> 00:30:54,720

in biomaterials uh basically uh it also

863

00:30:58,870 --> 00:30:57,919

discusses nitinol in the uh biomaterial

864

00:31:01,669 --> 00:30:58,880

context that's

865

00:31:03,110 --> 00:31:01,679

used in a heart stents for example or

866

00:31:04,389 --> 00:31:03,120

works a little bit better than the old

867

00:31:06,630 --> 00:31:04,399

school balloons

868

00:31:08,070 --> 00:31:06,640

as far as uh keeping that heart pumping

869

00:31:10,149 --> 00:31:08,080

keeping people alive

870

00:31:11,750 --> 00:31:10,159

uh basically it's a pretty well

871

00:31:15,110 --> 00:31:11,760

established field

872

00:31:17,029 --> 00:31:15,120

uh that uh tao concludes uh there is

873

00:31:19,669 --> 00:31:17,039

opportunity for the future of course he

874

00:31:22,470 --> 00:31:19,679

doesn't uh go into too much detail

875

00:31:24,470 --> 00:31:22,480

in terms of what that might be but uh

876

00:31:25,990 --> 00:31:24,480

the the field is pretty well established

877

00:31:29,590 --> 00:31:26,000

has been around for a while

878

00:31:31,750 --> 00:31:29,600

uh why would they commission a report on

879

00:31:33,430 --> 00:31:31,760

biomaterials well again well we've heard

880

00:31:36,950 --> 00:31:33,440

these accounts of

881

00:31:37,669 --> 00:31:36,960

of the uh people going on board crafts

882

00:31:39,669 --> 00:31:37,679

and uh

883

00:31:42,310 --> 00:31:39,679

saying they've been able to fly these

884

00:31:43,830 --> 00:31:42,320

ufos uh with the power of their mind a

885

00:31:46,870 --> 00:31:43,840

lot of talk about

886

00:31:49,190 --> 00:31:46,880

uh et's with the this uh uh uh

887

00:31:50,630 --> 00:31:49,200

capability of uh uh psychic

888

00:31:53,430 --> 00:31:50,640

communication uh

889

00:31:54,630 --> 00:31:53,440

uh perhaps uh somehow uh uh materials

890

00:31:57,590 --> 00:31:54,640

involved with that uh

891

00:31:59,110 --> 00:31:57,600

uh i would think that that is uh uh some

892

00:32:02,470 --> 00:31:59,120

of the reasoning behind it

893

00:32:05,669 --> 00:32:02,480

although tao spoke directly

894

00:32:07,750 --> 00:32:05,679

to the use of biomaterials uh

895

00:32:09,110 --> 00:32:07,760

in the medical field currently we also

896

00:32:13,029 --> 00:32:09,120

know the military

897

00:32:14,389 --> 00:32:13,039

darpa and also uh the the rand institute

898

00:32:16,549 --> 00:32:14,399

has written extensively

899

00:32:18,149 --> 00:32:16,559

about the military's interest in uh

900

00:32:21,750 --> 00:32:18,159

developing a direct

901
00:32:22,950 --> 00:32:21,760
uh brain interface uh with uh technology

902
00:32:25,350 --> 00:32:22,960
uh compatibility

903
00:32:27,269 --> 00:32:25,360
uh being able to again uh sort of uh

904
00:32:28,870 --> 00:32:27,279
control vehicles with the power of the

905
00:32:31,830 --> 00:32:28,880
mind that sort of thing

906
00:32:33,350 --> 00:32:31,840
so uh you can see here why that

907
00:32:35,110 --> 00:32:33,360
particular field might be of some

908
00:32:38,310 --> 00:32:35,120
interest to those guys

909
00:32:40,310 --> 00:32:38,320
and the third uh paper we've got

910
00:32:42,389 --> 00:32:40,320
this one written by john williams from

911
00:32:45,669 --> 00:32:42,399
ohio state university again

912
00:32:47,909 --> 00:32:45,679
this had been available uh uh

913
00:32:49,909 --> 00:32:47,919

the uh i think uh the most interesting

914

00:32:52,950 --> 00:32:49,919

of the of the available papers

915

00:32:55,509 --> 00:32:52,960

uh covers uh titanium alloys and uh

916

00:32:58,230 --> 00:32:55,519

titanium super composites and that

917

00:33:00,630 --> 00:32:58,240

their use in hypersonic flight vehicles

918

00:33:03,029 --> 00:33:00,640

and also uh nickel-based super alloys

919

00:33:04,310 --> 00:33:03,039

super alloys excuse me i'm going to get

920

00:33:06,549 --> 00:33:04,320

into a little bit

921

00:33:07,830 --> 00:33:06,559

in more detail later on at an

922

00:33:09,909 --> 00:33:07,840

interesting term you

923

00:33:11,990 --> 00:33:09,919

might want to keep in mind that hasn't

924

00:33:12,389 --> 00:33:12,000

been thrown around in the ufo field that

925

00:33:14,230 --> 00:33:12,399

much

926
00:33:16,149 --> 00:33:14,240
hopefully it does a little bit more

927
00:33:21,190 --> 00:33:16,159
super alloys it's actually

928
00:33:23,509 --> 00:33:21,200
kind of an old term going back to uh

929
00:33:25,190 --> 00:33:23,519
the 40s and the immediate post roswell

930
00:33:26,070 --> 00:33:25,200
era but i'll get into a little bit more

931
00:33:28,549 --> 00:33:26,080
of that later

932
00:33:29,909 --> 00:33:28,559
uh but again hypersonic flight well you

933
00:33:32,549 --> 00:33:29,919
know what do ufos do

934
00:33:34,549 --> 00:33:32,559
uh they fly hypersonically so uh no

935
00:33:36,230 --> 00:33:34,559
surprise here as to why they might

936
00:33:38,070 --> 00:33:36,240
uh commission something along those

937
00:33:41,269 --> 00:33:38,080
lines uh

938
00:33:41,909 --> 00:33:41,279

metal and metallic spintronics uh by uh

939

00:33:44,230 --> 00:33:41,919

dr

940

00:33:45,190 --> 00:33:44,240

maxim soy of the university of texas at

941

00:33:47,990 --> 00:33:45,200

austin

942

00:33:49,909 --> 00:33:48,000

this one's a new release for the most

943

00:33:52,549 --> 00:33:49,919

part this paper deals with controlling

944

00:33:54,950 --> 00:33:52,559

the spin of electrons and computer chips

945

00:33:55,830 --> 00:33:54,960

making them faster and more energy

946

00:33:58,950 --> 00:33:55,840

efficient

947

00:34:02,389 --> 00:33:58,960

uh why again with these guys

948

00:34:03,190 --> 00:34:02,399

in a ufo or a project why would they be

949

00:34:06,630 --> 00:34:03,200

interested

950

00:34:08,230 --> 00:34:06,640

in electronic uh spin at the electronic

951
00:34:10,790 --> 00:34:08,240
level at the atomic level

952
00:34:11,669 --> 00:34:10,800
uh well uh uh this goes back to an

953
00:34:14,389 --> 00:34:11,679
interview that

954
00:34:16,230 --> 00:34:14,399
we did with uh gary nolan back in

955
00:34:19,909 --> 00:34:16,240
december of 2017

956
00:34:21,190 --> 00:34:19,919
right after the original new york times

957
00:34:22,869 --> 00:34:21,200
story came out

958
00:34:25,990 --> 00:34:22,879
he was nice enough to answer a few

959
00:34:29,030 --> 00:34:26,000
questions about uh the materials aspect

960
00:34:31,909 --> 00:34:29,040
if you remember uh the the story did uh

961
00:34:34,950 --> 00:34:31,919
in passing mentioned uh meta materials

962
00:34:37,349 --> 00:34:34,960
and uh materials recovered from crashes

963
00:34:38,629 --> 00:34:37,359

and of course uh tony in the immediate

964

00:34:41,030 --> 00:34:38,639

aftermath filed that

965

00:34:42,470 --> 00:34:41,040

lawyer request that was uh just uh uh

966

00:34:44,470 --> 00:34:42,480

answered that in the last

967

00:34:45,510 --> 00:34:44,480

few weeks or so but uh here's the quote

968

00:34:48,069 --> 00:34:45,520

from nolan

969

00:34:48,790 --> 00:34:48,079

again he's talking about isotopes and he

970

00:34:50,710 --> 00:34:48,800

gets it to

971

00:34:52,790 --> 00:34:50,720

spin a little bit down the road there

972

00:34:55,270 --> 00:34:52,800

are natural ratios of these

973

00:34:56,230 --> 00:34:55,280

isotopes that are largely governed by

974

00:34:59,270 --> 00:34:56,240

stellar decay

975

00:35:01,589 --> 00:34:59,280

processes centrifugal forces during

976

00:35:03,829 --> 00:35:01,599

planetary formation and proximity to

977

00:35:07,030 --> 00:35:03,839

gamma and other radiation sources

978

00:35:07,990 --> 00:35:07,040

the ratios vary only slightly across the

979

00:35:10,390 --> 00:35:08,000

solar system

980

00:35:12,710 --> 00:35:10,400

significant variations and isotope

981

00:35:14,710 --> 00:35:12,720

ratios imply either engineering of the

982

00:35:16,310 --> 00:35:14,720

ratios for a purpose

983

00:35:17,829 --> 00:35:16,320

which is certainly possible we do that

984

00:35:20,630 --> 00:35:17,839

here that's my side

985

00:35:21,589 --> 00:35:20,640

not from gary or that the materials came

986

00:35:24,630 --> 00:35:21,599

from somewhere

987

00:35:26,710 --> 00:35:24,640

that does not play by our rules my

988

00:35:28,150 --> 00:35:26,720

suspicion is that a foundational

989

00:35:30,950 --> 00:35:28,160

difference in the is the

990

00:35:32,950 --> 00:35:30,960

nuclear spin of these isotopes and other

991

00:35:34,390 --> 00:35:32,960

quantum features associated

992

00:35:35,750 --> 00:35:34,400

with different arrangements of the

993

00:35:36,710 --> 00:35:35,760

nuclear shells and the different

994

00:35:39,349 --> 00:35:36,720

isotopes

995

00:35:41,430 --> 00:35:39,359

that affects how they behave contribute

996

00:35:42,150 --> 00:35:41,440

in these composites or metamaterial

997

00:35:43,910 --> 00:35:42,160

structures

998

00:35:45,510 --> 00:35:43,920

so there you there you're getting that

999

00:35:48,790 --> 00:35:45,520

nuclear spin that

1000

00:35:49,270 --> 00:35:48,800

spin at the electron level uh that is uh

1001
00:35:52,069 --> 00:35:49,280
what

1002
00:35:53,349 --> 00:35:52,079
i think that uh that paper which again

1003
00:35:56,069 --> 00:35:53,359
doesn't necessarily

1004
00:35:57,109 --> 00:35:56,079
uh seem to imply any direct connection

1005
00:35:59,270 --> 00:35:57,119
to ufos

1006
00:36:00,790 --> 00:35:59,280
but that could well be the reason for

1007
00:36:01,430 --> 00:36:00,800
the commissioning of that particular

1008
00:36:04,550 --> 00:36:01,440
paper

1009
00:36:06,230 --> 00:36:04,560
and uh finally uh meta materials for

1010
00:36:08,550 --> 00:36:06,240
aerospace applications

1011
00:36:09,910 --> 00:36:08,560
uh this one had been available as well

1012
00:36:12,790 --> 00:36:09,920
uh an interesting paper

1013
00:36:14,870 --> 00:36:12,800

written by professor gennady chavez of

1014

00:36:17,270 --> 00:36:14,880

the university of texas at austin

1015

00:36:18,230 --> 00:36:17,280

another uh university of texas at austin

1016

00:36:20,069 --> 00:36:18,240

guy

1017

00:36:21,270 --> 00:36:20,079

which is where hal put off his

1018

00:36:23,670 --> 00:36:21,280

headquartered so

1019

00:36:24,950 --> 00:36:23,680

that might explain how he was able to be

1020

00:36:26,470 --> 00:36:24,960

familiar with their work

1021

00:36:28,790 --> 00:36:26,480

and commissioned them uh for these

1022

00:36:31,190 --> 00:36:28,800

particular papers and uh and this one

1023

00:36:33,349 --> 00:36:31,200

uh he covers a circuit and wave guide

1024

00:36:35,510 --> 00:36:33,359

miniaturization again from put off

1025

00:36:37,109 --> 00:36:35,520

uh you heard talk about the wave guides

1026

00:36:39,190 --> 00:36:37,119

in connection with that uh

1027

00:36:41,030 --> 00:36:39,200

arts parts piece that they were able to

1028

00:36:43,589 --> 00:36:41,040

acquire from linda molten howe

1029

00:36:45,270 --> 00:36:43,599

also energy harvesting uh tunable

1030

00:36:48,710 --> 00:36:45,280

switchable metamaterials

1031

00:36:50,390 --> 00:36:48,720

and electronic uh electromagnetically

1032

00:36:53,190 --> 00:36:50,400

induced invisibility

1033

00:36:54,630 --> 00:36:53,200

so there you see why uh uh there might

1034

00:36:56,870 --> 00:36:54,640

be some interest in that kind of a

1035

00:36:58,710 --> 00:36:56,880

subject obviously we've got uh

1036

00:37:00,150 --> 00:36:58,720

reports of ufos appearing and

1037

00:37:02,150 --> 00:37:00,160

disappearing and

1038

00:37:04,870 --> 00:37:02,160

you know how do they power themselves as

1039

00:37:08,069 --> 00:37:04,880

a energy harvesting a part of that

1040

00:37:10,150 --> 00:37:08,079

uh and again the the wave guide feature

1041

00:37:11,430 --> 00:37:10,160

which uh put off seems especially

1042

00:37:13,030 --> 00:37:11,440

interested in so

1043

00:37:14,870 --> 00:37:13,040

i mean there you have it that's a little

1044

00:37:17,910 --> 00:37:14,880

bit of an overview of

1045

00:37:21,030 --> 00:37:17,920

the uh the papers that were released

1046

00:37:22,310 --> 00:37:21,040

uh links to them are available in tony's

1047

00:37:24,870 --> 00:37:22,320

original story

1048

00:37:26,230 --> 00:37:24,880

so you can go uh track those down and

1049

00:37:28,550 --> 00:37:26,240

find them and look through them

1050

00:37:29,349 --> 00:37:28,560

and maybe you might find uh something of

1051

00:37:31,990 --> 00:37:29,359

some interest

1052

00:37:32,550 --> 00:37:32,000

so now that we're through all that let's

1053

00:37:35,510 --> 00:37:32,560

uh

1054

00:37:38,150 --> 00:37:35,520

start talking about a final topic for

1055

00:37:41,349 --> 00:37:40,790

and finally i want to talk a little bit

1056

00:37:45,109 --> 00:37:41,359

about

1057

00:37:48,550 --> 00:37:45,119

a very interesting phenomenon called a

1058

00:37:52,310 --> 00:37:48,560

super alloys a development that

1059

00:37:53,270 --> 00:37:52,320

that really uh really got going uh back

1060

00:37:56,390 --> 00:37:53,280

in the immediate

1061

00:37:58,150 --> 00:37:56,400

post roswell years now

1062

00:37:59,910 --> 00:37:58,160

uh if you've read tony's article and now

1063

00:38:00,790 --> 00:37:59,920

you've read his other articles about nut

1064

00:38:03,030 --> 00:38:00,800

and all

1065

00:38:03,990 --> 00:38:03,040

over the years and you've ever looked at

1066

00:38:06,230 --> 00:38:04,000

my article about

1067

00:38:09,190 --> 00:38:06,240

the uh the founding of the titanium

1068

00:38:10,310 --> 00:38:09,200

industry at the ufopartisan.blogspot

1069

00:38:13,510 --> 00:38:10,320

there it is right there it's right in

1070

00:38:15,990 --> 00:38:13,520

front of you ufopartisan.blogspot.com

1071

00:38:16,710 --> 00:38:16,000

uh about the founding of the titanium

1072

00:38:19,349 --> 00:38:16,720

industry

1073

00:38:21,510 --> 00:38:19,359

uh you'll see uh you know again now why

1074

00:38:22,630 --> 00:38:21,520

this materials aspect of the phenomenon

1075

00:38:25,670 --> 00:38:22,640

is so important

1076

00:38:27,349 --> 00:38:25,680

uh basically in the the immediate

1077

00:38:29,430 --> 00:38:27,359

post roswell years there was no

1078

00:38:30,230 --> 00:38:29,440

commercial titanium industry there was

1079

00:38:34,150 --> 00:38:30,240

nothing

1080

00:38:36,950 --> 00:38:34,160

okay and then suddenly uh in 1948 a

1081

00:38:39,750 --> 00:38:36,960

commercial titanium industry is founded

1082

00:38:41,750 --> 00:38:39,760

now it's not like the people didn't know

1083

00:38:43,589 --> 00:38:41,760

that the titanium existed

1084

00:38:45,190 --> 00:38:43,599

but at that point in time was sort of a

1085

00:38:47,270 --> 00:38:45,200

laboratory curiosity

1086

00:38:49,349 --> 00:38:47,280

nobody was really sure what what they

1087

00:38:53,030 --> 00:38:49,359

could do with it and uh

1088

00:38:56,390 --> 00:38:53,040

suddenly the united states air force

1089

00:38:58,150 --> 00:38:56,400

the military became the enough of a

1090

00:38:59,190 --> 00:38:58,160

customer that they wanted enough of this

1091

00:39:04,550 --> 00:38:59,200

titanium

1092

00:39:06,390 --> 00:39:04,560

that company the subsidiary of dupont

1093

00:39:08,390 --> 00:39:06,400

made they made it worth their while for

1094

00:39:09,910 --> 00:39:08,400

dupont to begin uh producing this

1095

00:39:12,710 --> 00:39:09,920

material commercially

1096

00:39:13,510 --> 00:39:12,720

and in that immediate in the immediate

1097

00:39:15,430 --> 00:39:13,520

years

1098

00:39:18,710 --> 00:39:15,440

after it was founded from 48 into the

1099

00:39:22,310 --> 00:39:18,720

mid 50s literally titanium production

1100

00:39:24,390 --> 00:39:22,320

doubled every year uh well into

1101

00:39:25,910 --> 00:39:24,400

into the mid 50s i believe so you're

1102

00:39:28,150 --> 00:39:25,920

talking about going from

1103

00:39:30,069 --> 00:39:28,160

just a few tons you know from like seven

1104

00:39:32,230 --> 00:39:30,079

tons to 14 to 28

1105

00:39:33,990 --> 00:39:32,240

to you know up in the thousands

1106

00:39:37,270 --> 00:39:34,000

thousands of tons of titanium

1107

00:39:39,589 --> 00:39:37,280

were produced by the mid-50s so

1108

00:39:41,030 --> 00:39:39,599

this is an entire industry and that i

1109

00:39:43,910 --> 00:39:41,040

believe

1110

00:39:45,190 --> 00:39:43,920

was founded as a direct result of

1111

00:39:48,790 --> 00:39:45,200

roswell debris

1112

00:39:51,190 --> 00:39:48,800

uh being determined to have uh titanium

1113

00:39:52,950 --> 00:39:51,200

as a component in the alloys that were

1114

00:39:55,510 --> 00:39:52,960

used for its manufacture

1115

00:39:56,550 --> 00:39:55,520

okay so there's that now tony is a very

1116

00:39:59,190 --> 00:39:56,560

big on

1117

00:40:01,030 --> 00:39:59,200

uh this uh particular alloy called uh

1118

00:40:03,109 --> 00:40:01,040

nitinol or nitinol i've always called it

1119

00:40:03,910 --> 00:40:03,119

nitinol because uh a nitinol is a

1120

00:40:06,550 --> 00:40:03,920

basically a

1121

00:40:07,510 --> 00:40:06,560

an anagram of uh uh or an acronym i'm

1122

00:40:10,150 --> 00:40:07,520

sorry an acronym

1123

00:40:11,510 --> 00:40:10,160

of uh uh nickel okay which is pronounced

1124

00:40:14,230 --> 00:40:11,520

nickel not nickel

1125

00:40:16,150 --> 00:40:14,240

nickel uh titanium and uh the naval

1126

00:40:18,550 --> 00:40:16,160

ordnance laboratory the nol

1127

00:40:19,910 --> 00:40:18,560

part uh and uh that was the uh the

1128

00:40:22,790 --> 00:40:19,920

organization that

1129

00:40:24,150 --> 00:40:22,800

uh basically uh uh developed it so

1130

00:40:27,190 --> 00:40:24,160

you've got uh

1131

00:40:28,630 --> 00:40:27,200

ni for nickel ti for titanium nol for

1132

00:40:30,470 --> 00:40:28,640

naval ordnance lab

1133

00:40:31,990 --> 00:40:30,480

and somehow it's pronounced nitinol

1134

00:40:33,030 --> 00:40:32,000

instead of nitinol which is how i would

1135

00:40:34,950 --> 00:40:33,040

have pronounced it but

1136

00:40:36,150 --> 00:40:34,960

anyway that's the case and he's been on

1137

00:40:39,109 --> 00:40:36,160

that because uh

1138

00:40:39,910 --> 00:40:39,119

nitinol possesses these uh shape memory

1139

00:40:41,910 --> 00:40:39,920

aspects

1140

00:40:43,750 --> 00:40:41,920

uh that were described by various

1141

00:40:46,069 --> 00:40:43,760

roswell witnesses

1142

00:40:47,829 --> 00:40:46,079

of the debris that was found uh out in

1143

00:40:48,230 --> 00:40:47,839

roswell they saw this stuff and it has

1144

00:40:50,230 --> 00:40:48,240

this

1145

00:40:52,150 --> 00:40:50,240

these shape metal properties and uh

1146

00:40:55,109 --> 00:40:52,160

they're seeing this stuff uh

1147

00:40:56,790 --> 00:40:55,119

14 15 years before nitinol was uh

1148

00:41:00,150 --> 00:40:56,800

invented and had developed

1149

00:41:01,670 --> 00:41:00,160

so you know how did that happen yeah so

1150

00:41:03,430 --> 00:41:01,680

anyway uh there's a

1151

00:41:04,790 --> 00:41:03,440

there's a there's this alloy but i was

1152

00:41:06,630 --> 00:41:04,800

thinking to myself there there must have

1153

00:41:07,430 --> 00:41:06,640

been something in between there must

1154

00:41:09,670 --> 00:41:07,440

have been something

1155

00:41:12,069 --> 00:41:09,680

else uh that came about if they really

1156

00:41:14,950 --> 00:41:12,079

did find an alien spacecraft

1157

00:41:15,990 --> 00:41:14,960

uh uh crashed in uh roswell or somewhere

1158

00:41:19,030 --> 00:41:16,000

else who knows

1159

00:41:21,829 --> 00:41:19,040

uh that uh provided enough

1160

00:41:23,430 --> 00:41:21,839

leads for the the military and the

1161

00:41:26,710 --> 00:41:23,440

scientists working with them

1162

00:41:27,430 --> 00:41:26,720

to develop something else and i was

1163

00:41:30,150 --> 00:41:27,440

looking and

1164

00:41:32,630 --> 00:41:30,160

one of the great advancements in

1165

00:41:33,670 --> 00:41:32,640

metallurgy during the 1950s was the

1166

00:41:36,710 --> 00:41:33,680

development

1167

00:41:39,910 --> 00:41:36,720

of super alloys now

1168

00:41:41,750 --> 00:41:39,920

i've got this little piece here uh super

1169

00:41:45,510 --> 00:41:41,760

alloys can be considered to have

1170

00:41:47,829 --> 00:41:45,520

traversed a period 1950 to 1970 when

1171

00:41:48,630 --> 00:41:47,839

greater and greater amounts of differing

1172

00:41:51,190 --> 00:41:48,640

elements

1173

00:41:52,710 --> 00:41:51,200

were added for specific mechanical and

1174

00:41:55,670 --> 00:41:52,720

chemical effects

1175

00:41:56,950 --> 00:41:55,680

so uh that that is very interesting to

1176

00:42:00,630 --> 00:41:56,960

me uh you you

1177

00:42:03,030 --> 00:42:00,640

you have to think like a guy in 1947

1178

00:42:04,950 --> 00:42:03,040

getting hold of this uh extraterrestrial

1179

00:42:05,750 --> 00:42:04,960

alloy and now looking at and figuring

1180

00:42:08,069 --> 00:42:05,760

out uh

1181

00:42:09,030 --> 00:42:08,079

well what can we do with it and how how

1182

00:42:10,630 --> 00:42:09,040

can we make it

1183

00:42:12,230 --> 00:42:10,640

uh that type of thing and here's a

1184

00:42:14,309 --> 00:42:12,240

there's another uh

1185

00:42:16,309 --> 00:42:14,319

chart in terms of uh the the

1186

00:42:19,270 --> 00:42:16,319

temperatures under which uh

1187

00:42:19,910 --> 00:42:19,280

metal uh could uh could hold up and we

1188

00:42:22,710 --> 00:42:19,920

can see the

1189

00:42:23,430 --> 00:42:22,720

uh the big jump uh into the uh the late

1190

00:42:25,990 --> 00:42:23,440

40s

1191

00:42:28,230 --> 00:42:26,000

into the 50s and so on so i'm starting

1192

00:42:30,470 --> 00:42:28,240

to think that maybe

1193

00:42:31,349 --> 00:42:30,480

this additional advancement that we can

1194

00:42:34,390 --> 00:42:31,359

identify

1195

00:42:36,790 --> 00:42:34,400

uh from that period might be this uh the

1196

00:42:38,550 --> 00:42:36,800

super alloy advancement uh might be

1197

00:42:40,150 --> 00:42:38,560

the development in that where you're

1198

00:42:42,230 --> 00:42:40,160

seeing uh suddenly

1199

00:42:44,870 --> 00:42:42,240

all sorts of different metals added into

1200

00:42:48,150 --> 00:42:44,880

sort of a metallic stew uh to uh

1201
00:42:48,950 --> 00:42:48,160
allow uh alloys that'll hold up under

1202
00:42:52,069 --> 00:42:48,960
the uh

1203
00:42:54,950 --> 00:42:52,079
the the the sort of uh demands that uh

1204
00:42:57,670 --> 00:42:54,960
aerospace and aeronautics and aviation

1205
00:43:00,790 --> 00:42:57,680
uh would need it to hold up under and uh

1206
00:43:02,790 --> 00:43:00,800
so i think that is something i'm going

1207
00:43:04,950 --> 00:43:02,800
to continue to take a closer look at

1208
00:43:06,470 --> 00:43:04,960
it's something that i i suggest you if

1209
00:43:08,230 --> 00:43:06,480
you're a little bit more scientifically

1210
00:43:08,870 --> 00:43:08,240
minded and not interested in this sort

1211
00:43:11,510 --> 00:43:08,880
of thing

1212
00:43:12,950 --> 00:43:11,520
to take a closer look at a lot of times

1213
00:43:14,470 --> 00:43:12,960

there's some empty space in there

1214

00:43:15,750 --> 00:43:14,480

there's some things that won't exactly

1215

00:43:18,950 --> 00:43:15,760

make any sense

1216

00:43:21,430 --> 00:43:18,960

but uh i i think it's uh something that

1217

00:43:22,790 --> 00:43:21,440

might be worth a closer look and uh some

1218

00:43:24,950 --> 00:43:22,800

closer consideration

1219

00:43:26,069 --> 00:43:24,960

as we move forward you've got the

1220

00:43:29,109 --> 00:43:26,079

titanium industry

1221

00:43:30,390 --> 00:43:29,119

founded in 1948 and then this super

1222

00:43:32,150 --> 00:43:30,400

alloy phenomenon

1223

00:43:33,510 --> 00:43:32,160

uh that develops in the years uh

1224

00:43:35,670 --> 00:43:33,520

immediately after that

1225

00:43:37,430 --> 00:43:35,680

and then you've got that again a super

1226

00:43:39,670 --> 00:43:37,440

alloy almost by definition

1227

00:43:41,109 --> 00:43:39,680

a nitinol being developed in the the

1228

00:43:43,270 --> 00:43:41,119

very late 50s but

1229

00:43:45,430 --> 00:43:43,280

uh really coming into usage in the early

1230

00:43:47,829 --> 00:43:45,440

60s so there's that i think that that's

1231

00:43:49,589 --> 00:43:47,839

pretty important and uh

1232

00:43:50,950 --> 00:43:49,599

so uh like i said i invite you all to

1233

00:43:52,630 --> 00:43:50,960

take a closer look

1234

00:43:54,550 --> 00:43:52,640

uh i'm sure that there are some other

1235

00:43:57,910 --> 00:43:54,560

things out there obviously

1236

00:44:01,109 --> 00:43:57,920

a lot gets talked about uh in terms of

1237

00:44:02,950 --> 00:44:01,119

reverse engineering and regarding uh

1238

00:44:04,870 --> 00:44:02,960

any kind of potential uh alien

1239

00:44:06,710 --> 00:44:04,880

spacecraft that might have come down

1240

00:44:08,309 --> 00:44:06,720

but uh look at the materials i think

1241

00:44:09,829 --> 00:44:08,319

that's where it's at and uh

1242

00:44:11,589 --> 00:44:09,839

basically i think that's about all i've

1243

00:44:12,470 --> 00:44:11,599

got for right now uh what do you think

1244

00:44:14,630 --> 00:44:12,480

chant

1245

00:44:15,670 --> 00:44:14,640

i just wanted to mention something that

1246

00:44:18,950 --> 00:44:15,680

may be uh

1247

00:44:20,950 --> 00:44:18,960

important to our listeners and that is

1248

00:44:22,550 --> 00:44:20,960

uh knight knoller nitinol whichever you

1249

00:44:24,550 --> 00:44:22,560

prefer to call it

1250

00:44:25,829 --> 00:44:24,560

uh where it's been used before is

1251

00:44:28,390 --> 00:44:25,839

dentistry

1252

00:44:29,950 --> 00:44:28,400

and oh uh i can't say this word

1253

00:44:33,349 --> 00:44:29,960

correctly

1254

00:44:35,910 --> 00:44:33,359

endodontics uh endodontics yeah

1255

00:44:37,589 --> 00:44:35,920

yeah and that's mainly used during root

1256

00:44:38,550 --> 00:44:37,599

canals for cleaning and shaping of root

1257

00:44:42,309 --> 00:44:38,560

canals

1258

00:44:44,870 --> 00:44:42,319

in colorectal surgery stents orthopedic

1259

00:44:47,190 --> 00:44:44,880

implant right wires for making and

1260

00:44:48,950 --> 00:44:47,200

locating breast tumors so if you are a

1261

00:44:52,710 --> 00:44:48,960

breast cancer

1262

00:44:55,829 --> 00:44:52,720

survivor like i am twice over

1263

00:44:56,950 --> 00:44:55,839

you may indeed have had this metal used

1264

00:44:58,790 --> 00:44:56,960

inside you

1265

00:45:00,470 --> 00:44:58,800

and then also a tubing for a range of

1266

00:45:04,630 --> 00:45:00,480

medical applications

1267

00:45:07,670 --> 00:45:04,640

uh then moving along here

1268

00:45:09,750 --> 00:45:07,680

various metal metals out there

1269

00:45:11,750 --> 00:45:09,760

i just want to mention a list of them

1270

00:45:14,710 --> 00:45:11,760

and that is

1271

00:45:15,270 --> 00:45:14,720

iron steel wrought iron platinum pure

1272

00:45:18,470 --> 00:45:15,280

copper

1273

00:45:21,750 --> 00:45:18,480

aluminum silver zinc gold cadmium

1274

00:45:24,630 --> 00:45:21,760

bismuth tin lead now if you're robert t

1275

00:45:27,190 --> 00:45:24,640

bigelow and he you have those as the

1276
00:45:28,550 --> 00:45:27,200
choices to make all your space related

1277
00:45:32,309 --> 00:45:28,560
uh

1278
00:45:34,309 --> 00:45:32,319
equipment i'm certain that super alloys

1279
00:45:35,190 --> 00:45:34,319
start to look very attractive after a

1280
00:45:37,910 --> 00:45:35,200
while

1281
00:45:39,589 --> 00:45:37,920
um wanted to ask you i know why he'd

1282
00:45:41,510 --> 00:45:39,599
want to use him but can you please tell

1283
00:45:42,390 --> 00:45:41,520
our listeners why you imagine he might

1284
00:45:45,270 --> 00:45:42,400
be interested

1285
00:45:46,069 --> 00:45:45,280
acutely interested in super alloy

1286
00:45:49,109 --> 00:45:46,079
possibility

1287
00:45:51,349 --> 00:45:49,119
well super alloys can be based on

1288
00:45:53,109 --> 00:45:51,359

and again uh about stand correct uh

1289

00:45:54,710 --> 00:45:53,119

nobody uh jump all over me because i'm

1290

00:45:56,790 --> 00:45:54,720

not a meddler just but uh

1291

00:45:58,150 --> 00:45:56,800

this is basically i came across within

1292

00:45:58,950 --> 00:45:58,160

the last few days i thought was

1293

00:46:00,390 --> 00:45:58,960

interesting and

1294

00:46:02,309 --> 00:46:00,400

i want to get it out there so other

1295

00:46:03,910 --> 00:46:02,319

people take a look at it but the super

1296

00:46:06,309 --> 00:46:03,920

alloys are basically can have

1297

00:46:07,510 --> 00:46:06,319

three different metals as bases uh one

1298

00:46:10,870 --> 00:46:07,520

of them is iron

1299

00:46:11,990 --> 00:46:10,880

uh the other is uh nickel and the third

1300

00:46:14,069 --> 00:46:12,000

is cobalt

1301
00:46:15,430 --> 00:46:14,079
so a super alloy can have those as sort

1302
00:46:18,710 --> 00:46:15,440
of their base uh

1303
00:46:20,630 --> 00:46:18,720
base component and then any a lot of

1304
00:46:22,470 --> 00:46:20,640
different uh a lot of different metals

1305
00:46:23,670 --> 00:46:22,480
can be thrown in obviously titanium and

1306
00:46:25,030 --> 00:46:23,680
some of the others that you mentioned

1307
00:46:26,630 --> 00:46:25,040
that can be sort of

1308
00:46:28,230 --> 00:46:26,640
thrown in there's a different

1309
00:46:31,510 --> 00:46:28,240
ingredients in the stewie

1310
00:46:32,950 --> 00:46:31,520
you might say interesting all right and

1311
00:46:34,790 --> 00:46:32,960
if people want to find out a little bit

1312
00:46:35,349 --> 00:46:34,800
more on that topic all you have to do is

1313
00:46:38,150 --> 00:46:35,359

type in

1314

00:46:39,910 --> 00:46:38,160

super alloy yeah super alloys history

1315

00:46:41,829 --> 00:46:39,920

for one thing

1316

00:46:43,829 --> 00:46:41,839

that that would be one area where i've

1317

00:46:44,870 --> 00:46:43,839

already found some material that i think

1318

00:46:46,710 --> 00:46:44,880

of some interest so

1319

00:46:48,230 --> 00:46:46,720

you know i invite everybody listening to

1320

00:46:50,230 --> 00:46:48,240

to take a closer look at

1321

00:46:51,829 --> 00:46:50,240

that particular phenomenon within

1322

00:46:53,910 --> 00:46:51,839

metallurgical history

1323

00:46:55,430 --> 00:46:53,920

good well all right so we were able to

1324

00:46:57,829 --> 00:46:55,440

cover the article

1325

00:46:58,870 --> 00:46:57,839

to a certain degree and i know you're

1326

00:47:01,670 --> 00:46:58,880

going to expand upon

1327

00:47:02,390 --> 00:47:01,680

other topics but do you feel like the

1328

00:47:05,670 --> 00:47:02,400

pentagon

1329

00:47:07,750 --> 00:47:05,680

admits it has ufo debris uh article that

1330

00:47:10,550 --> 00:47:07,760

tony bergelia wrote

1331

00:47:12,550 --> 00:47:10,560

is actually groundbreaking regarding the

1332

00:47:16,790 --> 00:47:12,560

over 70 years that

1333

00:47:18,390 --> 00:47:16,800

ufology has been around

1334

00:47:19,829 --> 00:47:18,400

i mean what are your thoughts on that do

1335

00:47:20,870 --> 00:47:19,839

you think that that is actually

1336

00:47:23,990 --> 00:47:20,880

historical

1337

00:47:26,710 --> 00:47:24,000

related research groundbreaking research

1338

00:47:28,309 --> 00:47:26,720

that he's done well i think it is uh

1339

00:47:29,670 --> 00:47:28,319

just a follow-on on

1340

00:47:31,829 --> 00:47:29,680

a lot of stuff the people who've been

1341

00:47:32,710 --> 00:47:31,839

looking at it uh carefully for a long

1342

00:47:35,270 --> 00:47:32,720

time it's just

1343

00:47:37,030 --> 00:47:35,280

another step in the right direction uh

1344

00:47:37,589 --> 00:47:37,040

it could be groundbreaking in the sense

1345

00:47:39,589 --> 00:47:37,599

that

1346

00:47:41,430 --> 00:47:39,599

maybe this is sort of the tipping point

1347

00:47:42,630 --> 00:47:41,440

and it gets more people to pay attention

1348

00:47:44,870 --> 00:47:42,640

to this subject

1349

00:47:46,549 --> 00:47:44,880

if that's the case then yeah i mean and

1350

00:47:48,230 --> 00:47:46,559

i mean obviously it's uh part of the

1351

00:47:51,349 --> 00:47:48,240

reason why we're doing this show

1352

00:47:51,990 --> 00:47:51,359

uh the the materials it's kind of sat

1353

00:47:53,990 --> 00:47:52,000

for a while

1354

00:47:55,910 --> 00:47:54,000

and it really hasn't gone anywhere and

1355

00:47:58,710 --> 00:47:55,920

if this is kind of the kick it needs

1356

00:47:59,910 --> 00:47:58,720

you know there uh there are uh other

1357

00:48:02,309 --> 00:47:59,920

studies going on

1358

00:48:04,630 --> 00:48:02,319

there's uh still the uh uh the valet

1359

00:48:07,349 --> 00:48:04,640

nolan study of la talked about it

1360

00:48:08,150 --> 00:48:07,359

and uh gary nolan had uh talked about

1361

00:48:10,870 --> 00:48:08,160

hey we're

1362

00:48:12,309 --> 00:48:10,880

yeah we're looking to uh publish uh get

1363

00:48:13,990 --> 00:48:12,319

something published and

1364

00:48:16,549 --> 00:48:14,000

uh get that out there and i mean three

1365

00:48:19,349 --> 00:48:16,559

years afterwards it hasn't happened so

1366

00:48:20,710 --> 00:48:19,359

you know let's uh let if they don't want

1367

00:48:24,630 --> 00:48:20,720

to take a closer look

1368

00:48:26,069 --> 00:48:24,640

uh historians can go back and dig in and

1369

00:48:27,910 --> 00:48:26,079

take a closer look at the history

1370

00:48:29,109 --> 00:48:27,920

there's a a lot of things that are sort

1371

00:48:30,790 --> 00:48:29,119

of unanswered here

1372

00:48:32,390 --> 00:48:30,800

it's a lot clearer as far as the

1373

00:48:33,349 --> 00:48:32,400

founding of the titanium industry

1374

00:48:35,349 --> 00:48:33,359

because we know

1375

00:48:37,109 --> 00:48:35,359

that it was the military that kinda kind

1376

00:48:40,309 --> 00:48:37,119

of got those doors open

1377

00:48:41,270 --> 00:48:40,319

but yeah things advance in uh curious

1378

00:48:43,510 --> 00:48:41,280

ways i mean

1379

00:48:44,390 --> 00:48:43,520

uh people especially very clever people

1380

00:48:48,069 --> 00:48:44,400

like scientists

1381

00:48:49,990 --> 00:48:48,079

they don't need too much of a lead

1382

00:48:51,829 --> 00:48:50,000

follow up and to take something a little

1383

00:48:53,430 --> 00:48:51,839

bit further and then somebody else

1384

00:48:55,589 --> 00:48:53,440

takes that lead and takes a little bit

1385

00:48:56,230 --> 00:48:55,599

further in that and builds and builds

1386

00:48:58,390 --> 00:48:56,240

and builds

1387

00:49:00,069 --> 00:48:58,400

and even back in those pre-internet days

1388

00:49:01,990 --> 00:49:00,079

uh information got around

1389

00:49:03,589 --> 00:49:02,000

uh there were journals uh people

1390

00:49:06,309 --> 00:49:03,599

corresponded with each other

1391

00:49:06,870 --> 00:49:06,319

uh so on and so forth so information

1392

00:49:08,870 --> 00:49:06,880

trout

1393

00:49:10,309 --> 00:49:08,880

you know even in that day and age uh

1394

00:49:11,990 --> 00:49:10,319

where there were phones and letters you

1395

00:49:12,630 --> 00:49:12,000

know information still traveled pretty

1396

00:49:15,589 --> 00:49:12,640

quickly

1397

00:49:17,190 --> 00:49:15,599

and uh got around and uh again that just

1398

00:49:18,870 --> 00:49:17,200

a little piece of information

1399

00:49:22,470 --> 00:49:18,880

leads to the next piece of information

1400

00:49:24,309 --> 00:49:22,480

whether you're talking about scientific

1401

00:49:26,390 --> 00:49:24,319

advancement or uh if you're talking

1402

00:49:29,190 --> 00:49:26,400

about ufo research it's it's it's uh

1403

00:49:31,430 --> 00:49:29,200

you know it's a sort of a uh it's a

1404

00:49:31,910 --> 00:49:31,440

science uh sort of a social science but

1405

00:49:35,990 --> 00:49:31,920

uh

1406

00:49:36,710 --> 00:49:36,000

follow the same process to a certain

1407

00:49:38,790 --> 00:49:36,720

extent

1408

00:49:40,470 --> 00:49:38,800

the other thing i wanted to mention is

1409

00:49:41,670 --> 00:49:40,480

uh and you'll have to correct me if i'm

1410

00:49:44,309 --> 00:49:41,680

not right

1411

00:49:46,710 --> 00:49:44,319

i believe tony actually wrote out his

1412

00:49:50,309 --> 00:49:46,720

foia request or request

1413

00:49:54,069 --> 00:49:52,150

yeah yeah and he wrote it right after

1414

00:49:54,870 --> 00:49:54,079

that initial new york times article came

1415

00:49:58,309 --> 00:49:54,880

out

1416

00:50:00,309 --> 00:49:58,319

materials in that article so

1417

00:50:01,750 --> 00:50:00,319

again that mentioned in the article

1418

00:50:03,670 --> 00:50:01,760

prompted him to write the

1419

00:50:04,870 --> 00:50:03,680

foia requests and yeah it did take three

1420

00:50:06,950 --> 00:50:04,880

years for it to come back

1421

00:50:08,309 --> 00:50:06,960

probably a little bit too long and uh

1422

00:50:11,510 --> 00:50:08,319

what we got back are

1423

00:50:11,990 --> 00:50:11,520

are those uh those durns which are very

1424

00:50:15,750 --> 00:50:12,000

interesting

1425

00:50:16,470 --> 00:50:15,760

overview and we've got a pretty good

1426

00:50:18,230 --> 00:50:16,480

idea

1427

00:50:20,069 --> 00:50:18,240

why those uh particular papers were

1428

00:50:21,750 --> 00:50:20,079

commissioned so you know

1429

00:50:23,349 --> 00:50:21,760

we know we know more than we did last

1430

00:50:26,390 --> 00:50:23,359

weekend let's put it that way

1431

00:50:27,190 --> 00:50:26,400

you and i talked to uh researchers all

1432

00:50:29,270 --> 00:50:27,200

the time

1433

00:50:30,630 --> 00:50:29,280

that have told us the government is

1434

00:50:32,549 --> 00:50:30,640

famous for

1435

00:50:34,150 --> 00:50:32,559

either ignoring them or playing games

1436

00:50:34,950 --> 00:50:34,160

with them regarding foia requests so

1437

00:50:36,790 --> 00:50:34,960

honestly

1438

00:50:38,230 --> 00:50:36,800

i'm surprised they got back to him this

1439

00:50:41,190 --> 00:50:38,240

fast

1440

00:50:43,030 --> 00:50:41,200

but anyway i wanted to mention something

1441

00:50:44,549 --> 00:50:43,040

else to our listeners regarding this

1442

00:50:48,470 --> 00:50:44,559

fascinating article that

1443

00:50:51,270 --> 00:50:48,480

tony wrote and that is um in the article

1444

00:50:53,109 --> 00:50:51,280

he has a caption that says other

1445

00:50:55,829 --> 00:50:53,119

material and underneath that

1446

00:50:57,750 --> 00:50:55,839

it says extensive reference is also made

1447

00:51:00,549 --> 00:50:57,760

to the studying application of what

1448

00:51:01,510 --> 00:51:00,559

the test called metamaterial with a

1449

00:51:03,430 --> 00:51:01,520

little asterisk

1450

00:51:05,990 --> 00:51:03,440

next to that word meta-material

1451
00:51:07,990 --> 00:51:06,000
including that some of this material

1452
00:51:09,430 --> 00:51:08,000
moving on to a bullet point here can be

1453
00:51:10,710 --> 00:51:09,440
used to slow down light

1454
00:51:13,430 --> 00:51:10,720
and even bring light to a complete

1455
00:51:14,870 --> 00:51:13,440
standstill may induce invisibility by

1456
00:51:16,710 --> 00:51:14,880
manipulating refraction

1457
00:51:18,870 --> 00:51:16,720
reflectivity and increasing light

1458
00:51:21,109 --> 00:51:18,880
absorption the reports use terms like

1459
00:51:22,470 --> 00:51:21,119
optical isolation and transparency and

1460
00:51:25,349 --> 00:51:22,480
make reference to a meta

1461
00:51:26,549 --> 00:51:25,359
mirror technology has the interesting

1462
00:51:29,510 --> 00:51:26,559
ability to comp

1463
00:51:31,430 --> 00:51:29,520

compress electromagnetic energy and last

1464

00:51:33,430 --> 00:51:31,440

one is exhibits a particular

1465

00:51:35,109 --> 00:51:33,440

tunable resonance which was likely

1466

00:51:37,430 --> 00:51:35,119

determined

1467

00:51:39,190 --> 00:51:37,440

during fabrication so please do read

1468

00:51:41,270 --> 00:51:39,200

this article because it has a lot of

1469

00:51:43,910 --> 00:51:41,280

interesting aspects to it that might

1470

00:51:45,910 --> 00:51:43,920

apprise you to uh what might be going on

1471

00:51:46,470 --> 00:51:45,920

behind the scenes and also in plain

1472

00:51:49,030 --> 00:51:46,480

sight

1473

00:51:51,510 --> 00:51:49,040

right and the links to the actual papers

1474

00:51:52,950 --> 00:51:51,520

are in there uh granted it's a pretty

1475

00:51:55,829 --> 00:51:52,960

daunting reading

1476

00:51:56,790 --> 00:51:55,839

but uh yeah give it a give it a shot i

1477

00:51:58,230 --> 00:51:56,800

mean if uh

1478

00:52:00,950 --> 00:51:58,240

you know if your head explodes then

1479

00:52:03,910 --> 00:52:00,960

obviously yeah uh take a break but uh

1480

00:52:05,430 --> 00:52:03,920

uh do uh do do take a closer look so uh

1481

00:52:06,870 --> 00:52:05,440

that's about all i've got chad you got

1482

00:52:08,470 --> 00:52:06,880

anything else

1483

00:52:10,390 --> 00:52:08,480

i don't thanks for letting me go over

1484

00:52:11,510 --> 00:52:10,400

all that with you sure absolutely well

1485

00:52:14,549 --> 00:52:11,520

uh you have a good one

1486

00:52:16,309 --> 00:52:14,559

and uh uh we will be back uh if uh news

1487

00:52:18,309 --> 00:52:16,319

requires it that we'll be back sooner

1488

00:52:20,069 --> 00:52:18,319

but i think the next scheduled uh show

1489

00:52:21,430 --> 00:52:20,079

we've got is uh in early march is that

1490

00:52:23,109 --> 00:52:21,440

about right chant

1491

00:52:24,630 --> 00:52:23,119

it is i won't say who the guest is but

1492

00:52:27,430 --> 00:52:24,640

she's known worldwide

1493

00:52:28,309 --> 00:52:27,440

she's an icon in the realm of ufology

1494

00:52:31,910 --> 00:52:28,319

she goes back

1495

00:52:32,950 --> 00:52:31,920

many decades she's sort of ufo royalty

1496

00:52:35,670 --> 00:52:32,960

so to speak

1497

00:52:36,150 --> 00:52:35,680

and so i would really highly recommend

1498

00:52:38,309 --> 00:52:36,160

folks

1499

00:52:39,190 --> 00:52:38,319

listen to the show i know they will

1500

00:52:42,390 --> 00:52:39,200

enjoy it

1501
00:52:44,950 --> 00:52:42,400
and she's a real uh really wonderful

1502
00:52:47,349 --> 00:52:44,960
person i know that she will absolutely

1503
00:52:48,470 --> 00:52:47,359
love to share uh some interesting

1504
00:52:50,870 --> 00:52:48,480
information

1505
00:52:51,589 --> 00:52:50,880
that people will want to know about and

1506
00:52:54,069 --> 00:52:51,599
of course uh

1507
00:52:55,589 --> 00:52:54,079
you know again if news requires it if

1508
00:52:57,270 --> 00:52:55,599
enough happens and it's interesting

1509
00:52:58,470 --> 00:52:57,280
enough we can obviously do something uh

1510
00:53:01,190 --> 00:52:58,480
pretty spur of the moment

1511
00:53:04,390 --> 00:53:01,200
that's the nice thing about having a a a

1512
00:53:05,829 --> 00:53:04,400
shape memory platform like this

1513
00:53:07,349 --> 00:53:05,839

leave it slack for a little while and

1514

00:53:08,549 --> 00:53:07,359

then it can spring into action that when

1515

00:53:10,230 --> 00:53:08,559

you least expect it

1516

00:53:12,390 --> 00:53:10,240

i did want to i did want to mention

1517

00:53:14,790 --> 00:53:12,400

something and that is uh

1518

00:53:15,670 --> 00:53:14,800

every year you and i talk every year

1519

00:53:18,309 --> 00:53:15,680

without fail

1520

00:53:19,589 --> 00:53:18,319

we talk right before the new year about

1521

00:53:21,270 --> 00:53:19,599

whether there's going to be any

1522

00:53:23,349 --> 00:53:21,280

interesting news the next year on the

1523

00:53:26,470 --> 00:53:23,359

ufo slash et topic

1524

00:53:29,589 --> 00:53:26,480

and you know i have to tell you

1525

00:53:29,910 --> 00:53:29,599

this is only february you know i mean we

1526

00:53:31,670 --> 00:53:29,920

are

1527

00:53:34,150 --> 00:53:31,680

actually coming out with some really

1528

00:53:37,430 --> 00:53:34,160

interesting things this year so i'm very

1529

00:53:39,910 --> 00:53:37,440

i'm very uh surprised and also i'm

1530

00:53:41,589 --> 00:53:39,920

happy about it yeah i mean it can

1531

00:53:42,309 --> 00:53:41,599

sometimes run a little hot and a little

1532

00:53:44,870 --> 00:53:42,319

cold

1533

00:53:46,630 --> 00:53:44,880

and we can take breaks during the time

1534

00:53:49,190 --> 00:53:46,640

when it runs a little cold if

1535

00:53:50,710 --> 00:53:49,200

there's a not a whole lot going on and

1536

00:53:52,150 --> 00:53:50,720

not much to talk about you know we can

1537

00:53:53,510 --> 00:53:52,160

kind of stockpile a few different

1538

00:53:55,829 --> 00:53:53,520

stories and

1539

00:53:58,150 --> 00:53:55,839

some good trending news articles though

1540

00:53:58,630 --> 00:53:58,160

our stories regarding the ufo et topic

1541

00:54:01,990 --> 00:53:58,640

so

1542

00:54:04,870 --> 00:54:02,000

stuff that that may be

1543

00:54:06,470 --> 00:54:04,880

uh or not uh something that we def

1544

00:54:08,470 --> 00:54:06,480

necessarily want to jump on and do a

1545

00:54:09,190 --> 00:54:08,480

full-blown podcast we've got the groups

1546

00:54:11,349 --> 00:54:09,200

and

1547

00:54:12,950 --> 00:54:11,359

retweet things on twitter so there's

1548

00:54:14,549 --> 00:54:12,960

always something going on

1549

00:54:16,150 --> 00:54:14,559

all right well everybody hope you have a

1550

00:54:18,230 --> 00:54:16,160

lovely evening thank you so much for

1551

00:54:21,270 --> 00:54:18,240

having taken the time to tune in to

1552

00:54:23,109 --> 00:54:21,280

you fun and also uh

1553

00:54:24,309 --> 00:54:23,119

really hope that everybody has a safe

1554

00:54:25,829 --> 00:54:24,319

and fun weekend