

# FADE<sub>TO</sub>BLACK

with JIMMY CHURCH  
PRESENTS

ADAM APOLLO

THE PHYSICS OF ETCs

MON APR 18 **LIVE**

7:00 PM PT/10:00PM ET



1  
00:00:22,070 --> 00:00:18,740  
[Music]

2  
00:00:22,080 --> 00:00:34,720  
so

3  
00:00:49,830 --> 00:00:46,790  
[Music]

4  
00:00:52,709 --> 00:00:49,840  
bespoke radio for the masses headline

5  
00:00:54,549 --> 00:00:52,719  
edition july 8th 1947.

6  
00:00:58,280 --> 00:00:54,559  
the army air forces has announced that a

7  
00:01:03,430 --> 00:00:58,290  
flying disc has been found and is now

8  
00:01:08,630 --> 00:01:06,310  
i occasionally think how quickly

9  
00:01:09,990 --> 00:01:08,640  
our differences worldwide

10  
00:01:12,390 --> 00:01:10,000  
would vanish

11  
00:01:14,540 --> 00:01:12,400  
if we were facing an alien threat

12  
00:01:18,870 --> 00:01:14,550  
from outside this world

13  
00:01:24,310 --> 00:01:21,670

this is fade to black with your host

14

00:01:27,910 --> 00:01:24,320

jimmy church on the game changer radio

15

00:01:32,370 --> 00:01:30,149

i need your help to get to the year

16

00:01:36,950 --> 00:01:32,380

1985.

17

00:01:39,030 --> 00:01:36,960

[Music]

18

00:01:42,130 --> 00:01:39,040

you are listening to fate to flag with

19

00:01:47,570 --> 00:01:42,140

jimmy church on the game changer network

20

00:01:47,580 --> 00:01:51,429

[Music]

21

00:02:00,069 --> 00:01:54,550

how you doing

22

00:02:01,670 --> 00:02:00,079

here we go it's fade to black bespoke

23

00:02:02,709 --> 00:02:01,680

radio

24

00:02:03,749 --> 00:02:02,719

for

25

00:02:05,749 --> 00:02:03,759

the

26

00:02:08,550 --> 00:02:05,759

masses

27

00:02:11,470 --> 00:02:08,560

yeah man today's monday

28

00:02:13,030 --> 00:02:11,480

april 18

29

00:02:16,270 --> 00:02:13,040

2022.

30

00:02:19,910 --> 00:02:16,280

108 days into the new year only

31

00:02:21,350 --> 00:02:19,920

257 days left we are live from a bunker

32

00:02:23,670 --> 00:02:21,360

somewhere in the middle of nowhere a

33

00:02:26,790 --> 00:02:23,680

total undisclosed

34

00:02:28,150 --> 00:02:26,800

location but it is beautiful in here

35

00:02:29,830 --> 00:02:28,160

and i would like to welcome everybody

36

00:02:32,470 --> 00:02:29,840

listening all around the world all

37

00:02:34,470 --> 00:02:32,480

across the united states

38

00:02:37,030 --> 00:02:34,480

hither and tether to and fro back and

39

00:02:38,869 --> 00:02:37,040

forth up and down east and west and

40

00:02:40,869 --> 00:02:38,879

north and south

41

00:02:43,830 --> 00:02:40,879

far and near

42

00:02:46,229 --> 00:02:43,840

this is fade to black for kjcr the game

43

00:02:48,550 --> 00:02:46,239

changer and on x networks

44

00:02:51,589 --> 00:02:48,560

i am your host jimmy church what is

45

00:02:54,309 --> 00:02:51,599

cracking everybody how you doing

46

00:02:58,229 --> 00:02:54,319

how you doing tonight

47

00:02:59,509 --> 00:02:58,239

well as you can see we are kicking off

48

00:03:00,710 --> 00:02:59,519

our new

49

00:03:01,990 --> 00:03:00,720

video

50

00:03:03,270 --> 00:03:02,000

uh

51

00:03:06,550 --> 00:03:03,280

debut

52

00:03:08,869 --> 00:03:06,560

tonight and uh i hope that everybody is

53

00:03:10,470 --> 00:03:08,879

enjoying things and

54

00:03:11,270 --> 00:03:10,480

and uh

55

00:03:14,790 --> 00:03:11,280

the

56

00:03:18,710 --> 00:03:14,800

got a couple of cameras going on and

57

00:03:21,270 --> 00:03:18,720

that's pretty cool too as well and

58

00:03:24,550 --> 00:03:21,280

tonight adam apollo was here

59

00:03:28,390 --> 00:03:24,560

and i decided i needed i needed

60

00:03:33,990 --> 00:03:30,630

i needed the best face

61

00:03:37,869 --> 00:03:34,000

adam apollo is joining us tonight we are

62

00:03:40,789 --> 00:03:37,879

going to be discussing the physics of an

63

00:03:41,910 --> 00:03:40,799

extraterrestrial civilization tonight

64

00:03:43,350 --> 00:03:41,920

and

65

00:03:44,830 --> 00:03:43,360

uh

66

00:03:46,470 --> 00:03:44,840

this

67

00:03:48,470 --> 00:03:46,480

uh

68

00:03:50,949 --> 00:03:48,480

i was reading comments

69

00:03:53,190 --> 00:03:50,959

uh and how far they can travel to the

70

00:03:55,910 --> 00:03:53,200

stars how they can do this how they can

71

00:03:58,630 --> 00:03:55,920

get to earth how they can visit us we're

72

00:04:01,670 --> 00:03:58,640

gonna discuss the physics of all of that

73

00:04:03,350 --> 00:04:01,680

tonight and tomorrow night billy carson

74

00:04:05,670 --> 00:04:03,360

is here we're going to be talking about

75

00:04:07,350 --> 00:04:05,680

the secrets of egypt that is tomorrow

76

00:04:09,910 --> 00:04:07,360

night wednesday night

77

00:04:11,670 --> 00:04:09,920

caroline corey joins us

78

00:04:14,470 --> 00:04:11,680

uh we're going to have a very deep

79

00:04:16,710 --> 00:04:14,480

conversation uh with caroline on

80

00:04:18,870 --> 00:04:16,720

wednesday night and she has a new film

81

00:04:19,830 --> 00:04:18,880

coming out it is called a tear in the

82

00:04:23,430 --> 00:04:19,840

sky

83

00:04:24,950 --> 00:04:23,440

which is going to premiere on may 3rd in

84

00:04:27,110 --> 00:04:24,960

in just uh

85

00:04:29,189 --> 00:04:27,120

under uh two weeks that's going to kick

86

00:04:32,070 --> 00:04:29,199

off and then thursday night is another

87

00:04:32,950 --> 00:04:32,080

fader night with open lines all night

88

00:04:37,110 --> 00:04:32,960

long

89

00:04:41,189 --> 00:04:37,120

all right now um i'm assuming

90

00:04:44,790 --> 00:04:41,199

uh on this very special night uh that uh

91

00:04:46,150 --> 00:04:44,800

the audio is is cool

92

00:04:48,230 --> 00:04:46,160

um

93

00:04:49,830 --> 00:04:48,240

and uh the

94

00:04:51,749 --> 00:04:49,840

i i need to make sure we did a lot of

95

00:04:53,350 --> 00:04:51,759

testing this weekend

96

00:04:55,030 --> 00:04:53,360

and uh

97

00:04:57,990 --> 00:04:55,040

to make sure that we had everything

98

00:05:00,790 --> 00:04:58,000

correct and set up and things always

99

00:05:02,870 --> 00:05:00,800

evolve and you tweak knobs and and you

100

00:05:05,510 --> 00:05:02,880

get things set up but i think that uh

101

00:05:08,310 --> 00:05:05,520

we're pretty close to the mark

102

00:05:11,110 --> 00:05:08,320

and uh there you go i don't i don't know

103

00:05:13,350 --> 00:05:11,120

how much things are going to change

104

00:05:15,670 --> 00:05:13,360

because we put so much time into this

105

00:05:17,990 --> 00:05:15,680

right now but uh i think we've got

106

00:05:21,510 --> 00:05:18,000

everything sussed out

107

00:05:22,950 --> 00:05:21,520

okay all right and uh

108

00:05:25,110 --> 00:05:22,960

let's see

109

00:05:28,310 --> 00:05:25,120

where am i at

110

00:05:33,830 --> 00:05:30,150

let's uh

111

00:05:36,230 --> 00:05:33,840

stuff also

112

00:05:38,629 --> 00:05:36,240

the intro to the show i'll get all of

113

00:05:41,590 --> 00:05:38,639

that down there are some other things i

114

00:05:43,990 --> 00:05:41,600

was very comfortable in in the old style

115

00:05:46,150 --> 00:05:44,000

of doing things but we'll get that back

116

00:05:49,270 --> 00:05:46,160

but as the audio drops

117

00:05:51,029 --> 00:05:49,280

it starts to warble a little bit and and

118

00:05:55,029 --> 00:05:51,039

i don't dig that i don't like talking

119

00:05:55,830 --> 00:05:55,039

over that um but uh so there you go all

120

00:05:57,749 --> 00:05:55,840

right

121

00:06:00,150 --> 00:05:57,759

everybody wants their own crystal skull

122

00:06:02,710 --> 00:06:00,160

i've got a huge crystal skull collection

123

00:06:04,950 --> 00:06:02,720

here in the studio you can get yours

124

00:06:06,469 --> 00:06:04,960

visit einstein the crystalskull.com

125

00:06:09,189 --> 00:06:06,479

promo code jimmy

126

00:06:12,309 --> 00:06:09,199

and you will get 10 off of your first or

127

00:06:14,950 --> 00:06:12,319

next crystal skull order today i will be

128

00:06:17,110 --> 00:06:14,960

speaking at the x conference coming up

129

00:06:20,309 --> 00:06:17,120

in uh two weeks two and a half weeks may

130

00:06:23,029 --> 00:06:20,319

13th and 14th it's friday and saturday

131

00:06:24,629 --> 00:06:23,039

night uh on friday night i'll be

132

00:06:26,150 --> 00:06:24,639

speaking friday night as soon as i'm

133

00:06:28,309 --> 00:06:26,160

done there's going to be a live

134

00:06:30,550 --> 00:06:28,319

paranormal investigation going on from 9

135

00:06:33,270 --> 00:06:30,560

p.m until midnight and get all of the

136

00:06:34,390 --> 00:06:33,280

information that you need over at the on

137

00:06:37,110 --> 00:06:34,400

network

138

00:06:40,230 --> 00:06:37,120

dot com disclosure fest is also coming

139

00:06:43,590 --> 00:06:40,240

up that is june 18th i've been hosting

140

00:06:45,029 --> 00:06:43,600

disclosure fest uh since it started and

141

00:06:47,749 --> 00:06:45,039

i want you to come and hang out with us

142

00:06:49,350 --> 00:06:47,759

it's only one night or one day i should

143

00:06:50,950 --> 00:06:49,360

say saturday

144

00:06:53,189 --> 00:06:50,960

june 18th

145

00:06:55,589 --> 00:06:53,199

in downtown los angeles at the los

146

00:06:58,550 --> 00:06:55,599

angeles state historic park it's right

147

00:07:01,510 --> 00:06:58,560

next to chinatown it's an amazing

148

00:07:03,589 --> 00:07:01,520

backdrop where you have the skyline of

149

00:07:05,510 --> 00:07:03,599

of los angeles right there it's one day

150

00:07:09,189 --> 00:07:05,520

10 a.m to 10 p.m

151  
00:07:11,909 --> 00:07:09,199  
and uh 16 stages four of them for music

152  
00:07:14,790 --> 00:07:11,919  
and uh we've got trevor hall uh there

153  
00:07:17,189 --> 00:07:14,800  
desert dwellers poron gee

154  
00:07:19,830 --> 00:07:17,199  
workshops with billy carson adam apollo

155  
00:07:22,230 --> 00:07:19,840  
our guest tonight will be speaking there

156  
00:07:23,510 --> 00:07:22,240  
as well laurie espana laura eisenhower's

157  
00:07:24,469 --> 00:07:23,520  
gonna be there i haven't seen her in a

158  
00:07:26,390 --> 00:07:24,479  
while

159  
00:07:28,629 --> 00:07:26,400  
uh same thing with everybody i just saw

160  
00:07:31,510 --> 00:07:28,639  
brad olson he's gonna be speaking there

161  
00:07:34,309 --> 00:07:31,520  
just saw brad a couple of weeks ago in

162  
00:07:35,990 --> 00:07:34,319  
sedona but laurie spania i haven't seen

163  
00:07:38,070 --> 00:07:36,000

her for a couple of years david palmer

164

00:07:40,629 --> 00:07:38,080

is going to be there so just go to

165

00:07:42,309 --> 00:07:40,639

disclosurefest.org

166

00:07:43,589 --> 00:07:42,319

and then coming up tomorrow night billy

167

00:07:44,469 --> 00:07:43,599

carson is here we're going to be talking

168

00:07:47,909 --> 00:07:44,479

about the

169

00:07:49,830 --> 00:07:47,919

secrets of egypt and billy and i are

170

00:07:53,589 --> 00:07:49,840

going to egypt

171

00:07:55,270 --> 00:07:53,599

this october now space is very limited

172

00:07:57,469 --> 00:07:55,280

but if you would like to go with us and

173

00:08:00,390 --> 00:07:57,479

head over to egypt forbidden

174

00:08:02,309 --> 00:08:00,400

knowledge.com is where you go for all of

175

00:08:03,990 --> 00:08:02,319

the information and the tour schedule

176

00:08:07,430 --> 00:08:04,000

and and what we're going to be doing

177

00:08:09,189 --> 00:08:07,440

over there and it's also my birthday and

178

00:08:12,230 --> 00:08:09,199

october 10th

179

00:08:14,710 --> 00:08:12,240

we will be celebrating my birthday in

180

00:08:16,070 --> 00:08:14,720

luxor so if you would like to go we

181

00:08:17,830 --> 00:08:16,080

would love to have you there as many

182

00:08:19,589 --> 00:08:17,840

fader knots as possible

183

00:08:21,589 --> 00:08:19,599

uh when we take those group photos i'm

184

00:08:23,589 --> 00:08:21,599

gonna see those fade to black t-shirts

185

00:08:26,150 --> 00:08:23,599

all right all right so billy's gonna be

186

00:08:29,029 --> 00:08:26,160

with us tomorrow night follow me on

187

00:08:30,469 --> 00:08:29,039

twitter at jaychurchradio

188

00:08:33,990 --> 00:08:30,479

the sandbox

189

00:08:36,469 --> 00:08:34,000

is hashtag f2b on twitter

190

00:08:39,269 --> 00:08:36,479

and hashtag f2bq

191

00:08:42,870 --> 00:08:39,279

is fade to black questions let's get to

192

00:08:46,070 --> 00:08:42,880

the breaking news this past friday now

193

00:08:47,110 --> 00:08:46,080

i i do the news every night on this show

194

00:08:50,710 --> 00:08:47,120

and

195

00:08:51,750 --> 00:08:50,720

this news which broke on friday april

196

00:08:52,550 --> 00:08:51,760

15th

197

00:09:20,070 --> 00:08:52,560

i

198

00:09:22,949 --> 00:09:20,080

that the quake

199

00:09:25,990 --> 00:09:22,959

never happened

200

00:09:28,710 --> 00:09:26,000

the usgs initially reported the offshore

201  
00:09:30,630 --> 00:09:28,720  
quake at 9 48 a.m

202  
00:09:33,190 --> 00:09:30,640  
saying its epicenter was located about

203  
00:09:36,630 --> 00:09:33,200  
18 miles south southeast of the island

204  
00:09:39,269 --> 00:09:36,640  
community of avalon on catalina and 44

205  
00:09:40,630 --> 00:09:39,279  
miles south of san pedro

206  
00:09:43,509 --> 00:09:40,640  
however

207  
00:09:45,829 --> 00:09:43,519  
there was no earthquake

208  
00:09:49,590 --> 00:09:45,839  
about an hour or so after the original

209  
00:09:52,590 --> 00:09:49,600  
report the usgs shake alert system said

210  
00:09:56,870 --> 00:09:52,600  
that it had actually detected a

211  
00:10:04,470 --> 00:09:59,670  
what

212  
00:10:07,750 --> 00:10:04,480  
have triggered the system to register

213  
00:10:10,710 --> 00:10:07,760

the 4.0 quake and according to caltech

214

00:10:13,110 --> 00:10:10,720

the events algorithm was also different

215

00:10:15,829 --> 00:10:13,120

from the usual algorithm associated with

216

00:10:19,190 --> 00:10:15,839

earthquakes or the early warning

217

00:10:21,750 --> 00:10:19,200

detection system

218

00:10:23,750 --> 00:10:21,760

i'm just gonna leave that right there

219

00:10:25,030 --> 00:10:23,760

all right now it is now confirmed it's

220

00:10:27,910 --> 00:10:25,040

official

221

00:10:30,310 --> 00:10:27,920

the hottest rock ever discovered in

222

00:10:34,470 --> 00:10:30,320

earth's crust really was

223

00:10:38,470 --> 00:10:34,480

super hot the rock a fist sized piece of

224

00:10:41,190 --> 00:10:38,480

black glass was discovered in 2011

225

00:10:43,110 --> 00:10:41,200

and was first reported in 2017 when

226

00:10:45,590 --> 00:10:43,120

scientists wrote in the journal earth

227

00:10:50,269 --> 00:10:45,600

and planetary science letters that it

228

00:10:57,509 --> 00:10:54,470

4298 degrees fahrenheit the rocks melted

229

00:10:59,750 --> 00:10:57,519

and reformed in a meteorite impact about

230

00:11:01,750 --> 00:10:59,760

36 million years ago

231

00:11:03,030 --> 00:11:01,760

in what is today

232

00:11:04,230 --> 00:11:03,040

labrador

233

00:11:08,389 --> 00:11:04,240

canada

234

00:11:13,509 --> 00:11:10,389

that the earth's

235

00:11:16,670 --> 00:11:13,519

layers i mean maximum it's like 3000

236

00:11:22,150 --> 00:11:20,870

4298 degrees well it finally happened

237

00:11:25,430 --> 00:11:22,160

today

238

00:11:27,829 --> 00:11:25,440

a federal judge in florida struck down

239

00:11:30,150 --> 00:11:27,839

the federal mass mandate for airplanes

240

00:11:33,910 --> 00:11:30,160

and other public transport methods

241

00:11:37,269 --> 00:11:33,920

and the mandate is no longer in effect

242

00:11:39,670 --> 00:11:37,279

while the ruling is reviewed

243

00:11:42,310 --> 00:11:39,680

just last week the cdc extended the mass

244

00:11:44,389 --> 00:11:42,320

mandate through may 3rd and it is

245

00:11:46,630 --> 00:11:44,399

unclear if the justice department will

246

00:11:48,230 --> 00:11:46,640

seek an order halting the ruling and

247

00:11:52,389 --> 00:11:48,240

file an appeal

248

00:11:53,750 --> 00:11:52,399

the tsa so far as mum they have

249

00:11:55,509 --> 00:11:53,760

as yet

250

00:11:57,350 --> 00:11:55,519

made a statement

251  
00:11:59,509 --> 00:11:57,360  
about the ruling

252  
00:12:00,470 --> 00:11:59,519  
i don't know what went on with airlines

253  
00:12:03,430 --> 00:12:00,480  
today

254  
00:12:04,949 --> 00:12:03,440  
and what passion you know if passengers

255  
00:12:06,790 --> 00:12:04,959  
knew

256  
00:12:09,590 --> 00:12:06,800  
were they saying i don't have to wear

257  
00:12:11,990 --> 00:12:09,600  
this and and pulling them i don't know

258  
00:12:15,030 --> 00:12:12,000  
and tsa hasn't made a formal

259  
00:12:17,670 --> 00:12:15,040  
announcement to the airlines about this

260  
00:12:20,870 --> 00:12:17,680  
very interesting and the news is pretty

261  
00:12:24,150 --> 00:12:20,880  
quiet on the matter well the big news of

262  
00:12:29,110 --> 00:12:26,470  
earlier today marvel

263  
00:12:31,509 --> 00:12:29,120

released the trailer for its latest film

264

00:12:32,389 --> 00:12:31,519

in the marvel series

265

00:12:34,550 --> 00:12:32,399

for

266

00:12:36,870 --> 00:12:34,560

love and thunder

267

00:12:39,190 --> 00:12:36,880

all set to guns and rose's sweet child

268

00:12:42,629 --> 00:12:39,200

of mine you've got to see the trailer

269

00:12:45,509 --> 00:12:42,639

the film is premiering this july 8th

270

00:12:47,509 --> 00:12:45,519

and in the trailer it shows

271

00:12:49,269 --> 00:12:47,519

new asgard

272

00:12:52,150 --> 00:12:49,279

it does

273

00:12:54,230 --> 00:12:52,160

but no loki

274

00:12:56,389 --> 00:12:54,240

which is why they call it a teaser

275

00:12:59,190 --> 00:12:56,399

seriously let's get this show cracking

276

00:13:01,190 --> 00:12:59,200

happy birthday to today

277

00:13:06,710 --> 00:13:01,200

david tennant

278

00:13:09,509 --> 00:13:06,720

course you know him probably as doctor

279

00:13:11,430 --> 00:13:09,519

who i know him from good omens and after

280

00:13:13,590 --> 00:13:11,440

i saw him in good omens

281

00:13:15,269 --> 00:13:13,600

i started chasing this guy down you know

282

00:13:17,350 --> 00:13:15,279

i just don't watch doctor who so i

283

00:13:20,150 --> 00:13:17,360

didn't know but uh

284

00:13:24,389 --> 00:13:20,160

i became a david tennant fan today he's

285

00:13:28,069 --> 00:13:24,399

51 years old conan o'brien today is 59

286

00:13:33,350 --> 00:13:28,079

james woods today is 75

287

00:13:35,990 --> 00:13:33,360

bullet boys guitars mike uh mick mike

288

00:13:39,189 --> 00:13:36,000

oh mick don't be mad at me mick sweeta

289

00:13:41,829 --> 00:13:39,199

today is 62 years old and one of my

290

00:13:45,590 --> 00:13:41,839

favorites singer kelly hansen

291

00:13:46,870 --> 00:13:45,600

today is 61. right now he's well he's

292

00:13:49,990 --> 00:13:46,880

been the singer for foreigner since

293

00:13:52,470 --> 00:13:50,000

2005. so what is that

294

00:13:55,350 --> 00:13:52,480

17 years but before that he was in

295

00:13:59,269 --> 00:13:55,360

hurricane with doug aldrich

296

00:14:02,069 --> 00:13:59,279

creed guitarist mark tremante today

297

00:14:03,829 --> 00:14:02,079

is 48. our dead guy's birthday today is

298

00:14:06,470 --> 00:14:03,839

i need a moment of silence please for

299

00:14:10,310 --> 00:14:06,480

clarence gate mouth brown

300

00:14:11,269 --> 00:14:10,320

1940 and 1924 to 2005 died at the age of

301  
00:14:12,910 --> 00:14:11,279  
81.

302  
00:14:15,509 --> 00:14:12,920  
clarence was a singer and a

303  
00:14:18,069 --> 00:14:15,519  
multi-instrumentalist based in the blues

304  
00:14:20,629 --> 00:14:18,079  
he spent his career fighting purism by

305  
00:14:22,310 --> 00:14:20,639  
synthesizing traditional blues and

306  
00:14:25,110 --> 00:14:22,320  
country jazz

307  
00:14:28,389 --> 00:14:25,120  
cajun music r b rock and roll folk and

308  
00:14:29,750 --> 00:14:28,399  
texas blues threw it all in the blender

309  
00:14:31,269 --> 00:14:29,760  
he was amazing

310  
00:14:33,030 --> 00:14:31,279  
he was acclaimed for his skills on

311  
00:14:35,590 --> 00:14:33,040  
multiple instruments including the

312  
00:14:37,990 --> 00:14:35,600  
guitar the mandolin the viola the violin

313  
00:14:40,069 --> 00:14:38,000

harmonica and drums he won a grammy

314

00:14:43,990 --> 00:14:40,079

award for best traditional blues album

315

00:14:45,509 --> 00:14:44,000

in 1983 for his album all right again he

316

00:14:48,310 --> 00:14:45,519

is regarded as one of the most

317

00:14:51,590 --> 00:14:48,320

influential exponents of the blues

318

00:14:53,750 --> 00:14:51,600

fiddle and had enormous influence in

319

00:14:56,870 --> 00:14:53,760

american fiddle circles

320

00:14:59,350 --> 00:14:56,880

he died in orange texas on september 10

321

00:15:01,350 --> 00:14:59,360

2005 at the apartment

322

00:15:03,670 --> 00:15:01,360

of a grand niece

323

00:15:06,150 --> 00:15:03,680

he was 81 years old happy birthday

324

00:15:09,220 --> 00:15:06,160

clarence gate mouth brown

325

00:15:10,389 --> 00:15:09,230

on this day in history otd

326

00:15:12,230 --> 00:15:10,399

[Music]

327

00:15:15,829 --> 00:15:12,240

1906

328

00:15:19,110 --> 00:15:15,839

it happened 5 13 a.m

329

00:15:22,150 --> 00:15:19,120

an earthquake estimated close to 8.0 on

330

00:15:24,790 --> 00:15:22,160

the richter scale strikes san francisco

331

00:15:26,550 --> 00:15:24,800

california killing an estimated 3 000

332

00:15:27,829 --> 00:15:26,560

people as it topples buildings all over

333

00:15:30,790 --> 00:15:27,839

the city

334

00:15:33,189 --> 00:15:30,800

and starts and then uncontrollable fire

335

00:15:36,230 --> 00:15:33,199

took about a week to put out

336

00:15:39,110 --> 00:15:36,240

on this day in 1906. fader fact

337

00:15:51,749 --> 00:15:45,670

roly-polies

338

00:15:51,759 --> 00:15:58,710

actually eat heavy metals

339

00:16:01,670 --> 00:16:00,230

such as

340

00:16:03,509 --> 00:16:01,680

lead

341

00:16:06,470 --> 00:16:03,519

zinc copper

342

00:16:08,470 --> 00:16:06,480

and cadmium

343

00:16:10,790 --> 00:16:08,480

protecting soil

344

00:16:12,949 --> 00:16:10,800

and groundwater

345

00:16:17,030 --> 00:16:12,959

and that

346

00:16:19,430 --> 00:16:17,040

is your fader fact they eat heavy metals

347

00:16:23,910 --> 00:16:19,440

they ingest them

348

00:16:26,389 --> 00:16:23,920

they enjoy them lead zinc copper and

349

00:16:28,389 --> 00:16:26,399

cadmium and others by the way

350

00:16:29,990 --> 00:16:28,399

all right that's your fader fact tonight

351

00:16:31,990 --> 00:16:30,000

very special guest

352

00:16:34,150 --> 00:16:32,000

adam apollo is here we're going to be

353

00:16:36,550 --> 00:16:34,160

discussing the physics of

354

00:16:37,990 --> 00:16:36,560

an extraterrestrial civilization and how

355

00:16:40,150 --> 00:16:38,000

they can travel the stars we're going to

356

00:16:41,910 --> 00:16:40,160

be doing that and so much more tonight

357

00:16:43,749 --> 00:16:41,920

with adam apollo

358

00:16:46,389 --> 00:16:43,759

and then tomorrow night billy carson is

359

00:16:48,629 --> 00:16:46,399

here the secrets of egypt and then

360

00:16:50,470 --> 00:16:48,639

wednesday night caroline corey is here

361

00:16:53,749 --> 00:16:50,480

she's got a new film coming out it is

362

00:16:55,910 --> 00:16:53,759

prepared it's preparing it's premiering

363

00:16:58,150 --> 00:16:55,920

may 3rd and we're going to talk a little

364

00:17:01,749 --> 00:16:58,160

bit about the film we're going to talk a

365

00:17:04,230 --> 00:17:01,759

whole lot about science and et so that's

366

00:17:05,990 --> 00:17:04,240

going down wednesday night thursday is

367

00:17:08,230 --> 00:17:06,000

another fader night with open lines all

368

00:17:20,949 --> 00:17:08,240

night long now i need to hit

369

00:17:23,350 --> 00:17:22,470

what do you guys think do you like the

370

00:17:26,150 --> 00:17:23,360

view

371

00:17:28,870 --> 00:17:26,160

do you like what's going on

372

00:17:31,350 --> 00:17:28,880

it's uh it's pretty cool

373

00:17:33,510 --> 00:17:31,360

a lot of work and i'm hoping

374

00:17:35,350 --> 00:17:33,520

that uh tonight's show

375

00:17:37,190 --> 00:17:35,360

is uh pretty smooth and we're gonna get

376

00:17:39,190 --> 00:17:37,200

through this and the audio is fine

377

00:17:41,590 --> 00:17:39,200

that's what i'm concerned about video

378

00:17:42,950 --> 00:17:41,600

looks pretty good but uh it's a new

379

00:17:46,870 --> 00:17:42,960

format

380

00:17:48,390 --> 00:17:46,880

and needed to respond

381

00:17:50,230 --> 00:17:48,400

to uh

382

00:17:52,150 --> 00:17:50,240

the world out there and technology and

383

00:17:53,430 --> 00:17:52,160

how people are doing things

384

00:17:58,150 --> 00:17:53,440

and

385

00:17:59,750 --> 00:17:58,160

that i talk about a lot on this show

386

00:18:01,350 --> 00:17:59,760

and we're gonna be doing that tonight

387

00:18:02,230 --> 00:18:01,360

with adam apollo

388

00:18:04,150 --> 00:18:02,240

so

389

00:18:07,590 --> 00:18:04,160

i need my river moon coffee to do all of

390

00:18:15,750 --> 00:18:10,630

physics is tough

391

00:18:17,590 --> 00:18:15,760

fade to black blend

392

00:18:19,830 --> 00:18:17,600

uh yeah just click on the banners over

393

00:18:21,350 --> 00:18:19,840

at jimmychurchradio.com

394

00:18:23,350 --> 00:18:21,360

but uh

395

00:18:25,590 --> 00:18:23,360

tonight

396

00:18:28,789 --> 00:18:25,600

and and kicking off this very important

397

00:18:31,590 --> 00:18:28,799

week here on fade to black we have one

398

00:18:34,549 --> 00:18:31,600

of my favorite guests adam apollo

399

00:18:37,750 --> 00:18:34,559

and aside from him

400

00:18:40,390 --> 00:18:37,760

just being a really cool person

401

00:18:41,510 --> 00:18:40,400

he's also really smart

402

00:18:43,350 --> 00:18:41,520

and

403

00:18:44,630 --> 00:18:43,360

my conversations with adam over the

404

00:18:47,110 --> 00:18:44,640

years

405

00:18:49,190 --> 00:18:47,120

uh always center around you know two of

406

00:18:51,510 --> 00:18:49,200

my favorite subjects

407

00:18:53,270 --> 00:18:51,520

physics and ufos

408

00:18:58,630 --> 00:18:53,280

it just doesn't get any better for me

409

00:19:00,870 --> 00:18:58,640

seriously now i've often wondered

410

00:19:03,750 --> 00:19:00,880

what if

411

00:19:05,350 --> 00:19:03,760

we actually get to discuss physics with

412

00:19:06,390 --> 00:19:05,360

et one day

413

00:19:10,310 --> 00:19:06,400

right

414

00:19:13,909 --> 00:19:10,320  
and i mean a full-on sit-down

415

00:19:16,230 --> 00:19:13,919  
in this conversation e.t kind of just

416

00:19:18,070 --> 00:19:16,240  
says something like

417

00:19:22,230 --> 00:19:18,080  
well yeah well uh

418

00:19:28,549 --> 00:19:25,590  
we used to think at one time we thought

419

00:19:30,870 --> 00:19:28,559  
we thanked we thought

420

00:19:31,990 --> 00:19:30,880  
just like you

421

00:19:39,110 --> 00:19:32,000  
yeah

422

00:19:39,909 --> 00:19:39,120  
but that's not how we do it now

423

00:19:41,190 --> 00:19:39,919  
that

424

00:19:43,830 --> 00:19:41,200  
the whole

425

00:19:45,190 --> 00:19:43,840  
string theory thing you guys are you

426  
00:19:46,710 --> 00:19:45,200  
know working on right now it's a waste

427  
00:19:48,870 --> 00:19:46,720  
of time

428  
00:19:50,549 --> 00:19:48,880  
right you're spending too much time with

429  
00:19:57,029 --> 00:19:50,559  
math

430  
00:20:03,830 --> 00:20:00,310  
just think about that for a second

431  
00:20:09,750 --> 00:20:07,510  
string theory is deep for sure

432  
00:20:11,909 --> 00:20:09,760  
but um i'm not going to get into the

433  
00:20:13,669 --> 00:20:11,919  
specifics of it i'm not going to do that

434  
00:20:15,990 --> 00:20:13,679  
now that's a whole

435  
00:20:17,510 --> 00:20:16,000  
another show and physicists out there

436  
00:20:18,789 --> 00:20:17,520  
can't even agree on it and it's a big

437  
00:20:21,510 --> 00:20:18,799  
mystery but

438  
00:20:25,029 --> 00:20:21,520

but the short description

439

00:20:30,390 --> 00:20:25,039

of string theory is this

440

00:20:35,430 --> 00:20:32,950

there are strings

441

00:20:36,630 --> 00:20:35,440

that vibrate like these guitars behind

442

00:20:37,909 --> 00:20:36,640

me

443

00:20:41,350 --> 00:20:37,919

and

444

00:20:43,669 --> 00:20:41,360

certain frequencies when they vibrate

445

00:20:47,510 --> 00:20:43,679

determine

446

00:20:51,909 --> 00:20:49,270

right

447

00:20:55,029 --> 00:20:51,919

now we're talking about this is the

448

00:20:56,870 --> 00:20:55,039

smallest of the small

449

00:20:58,870 --> 00:20:56,880

we will never see it

450

00:21:01,510 --> 00:20:58,880

i mean

451  
00:21:03,350 --> 00:21:01,520  
we will never ever ever ever ever see it

452  
00:21:07,270 --> 00:21:03,360  
as in never

453  
00:21:10,390 --> 00:21:07,280  
what we are depending on here is math

454  
00:21:12,710 --> 00:21:10,400  
and the description

455  
00:21:17,190 --> 00:21:12,720  
of the math

456  
00:21:19,430 --> 00:21:17,200  
right to paint a picture for us right

457  
00:21:20,710 --> 00:21:19,440  
the math is going to paint a picture for

458  
00:21:22,870 --> 00:21:20,720  
us

459  
00:21:26,310 --> 00:21:22,880  
of vibrating strings

460  
00:21:29,190 --> 00:21:26,320  
and we depend on physicists these

461  
00:21:31,190 --> 00:21:29,200  
computer screens full of algorithms and

462  
00:21:32,390 --> 00:21:31,200  
white boards and

463  
00:21:33,750 --> 00:21:32,400

things and

464

00:21:35,830 --> 00:21:33,760

chicken scratch

465

00:21:38,710 --> 00:21:35,840

and turning that into something that we

466

00:21:41,110 --> 00:21:38,720

can understand both visually

467

00:21:43,590 --> 00:21:41,120

and by the mouth and spoken word to

468

00:21:45,830 --> 00:21:43,600

explain what all of this is and right

469

00:21:48,310 --> 00:21:45,840

now they're telling us

470

00:21:50,470 --> 00:21:48,320

it's vibrating strings

471

00:21:52,390 --> 00:21:50,480

now brian greene

472

00:21:53,750 --> 00:21:52,400

who has been leading the research into

473

00:21:55,669 --> 00:21:53,760

string theory

474

00:21:57,510 --> 00:21:55,679

says that they have a pretty good

475

00:21:59,590 --> 00:21:57,520

foundation going on right now but the

476  
00:22:02,470 --> 00:21:59,600  
completion of their work

477  
00:22:03,990 --> 00:22:02,480  
if it ever happens brian's words not

478  
00:22:05,190 --> 00:22:04,000  
mine

479  
00:22:08,390 --> 00:22:05,200  
won't be

480  
00:22:10,470 --> 00:22:08,400  
for at least another 50 years

481  
00:22:14,070 --> 00:22:10,480  
and again that's the math part that's

482  
00:22:15,430 --> 00:22:14,080  
the math part and if and when that ever

483  
00:22:17,590 --> 00:22:15,440  
happens

484  
00:22:19,350 --> 00:22:17,600  
it'll be the numbers

485  
00:22:22,149 --> 00:22:19,360  
that we are shown

486  
00:22:24,149 --> 00:22:22,159  
and then the description

487  
00:22:25,510 --> 00:22:24,159  
of them

488  
00:22:26,950 --> 00:22:25,520

we're not going to see the strings

489

00:22:29,029 --> 00:22:26,960

themselves

490

00:22:31,430 --> 00:22:29,039

or the extra dimensions that may or may

491

00:22:33,590 --> 00:22:31,440

not uh be surrounding them and where

492

00:22:36,710 --> 00:22:33,600

they may reside or anything else for

493

00:22:38,230 --> 00:22:36,720

that matter it's just too small

494

00:22:40,710 --> 00:22:38,240

and honestly

495

00:22:43,510 --> 00:22:40,720

no matter what

496

00:22:46,390 --> 00:22:43,520

it has to be the same

497

00:22:47,590 --> 00:22:46,400

for an extraterrestrial civilization in

498

00:22:49,909 --> 00:22:47,600

that

499

00:22:52,230 --> 00:22:49,919

they have to have gone through

500

00:22:54,870 --> 00:22:52,240

the same processes of trying to figure

501  
00:22:56,070 --> 00:22:54,880  
out how everything works you know and at

502  
00:22:58,549 --> 00:22:56,080  
some point

503  
00:23:01,110 --> 00:22:58,559  
discovered something that had nothing to

504  
00:23:03,190 --> 00:23:01,120  
do with math

505  
00:23:05,909 --> 00:23:03,200  
and to be honest the colossal waste of

506  
00:23:07,830 --> 00:23:05,919  
time that it can present but

507  
00:23:09,669 --> 00:23:07,840  
they just found out that you have to

508  
00:23:11,270 --> 00:23:09,679  
work with it it's just physics physics

509  
00:23:12,310 --> 00:23:11,280  
is the same everywhere you just have to

510  
00:23:16,950 --> 00:23:12,320  
go with it

511  
00:23:21,350 --> 00:23:19,029  
do you have to know everything when you

512  
00:23:22,789 --> 00:23:21,360  
board a plane for instance

513  
00:23:25,270 --> 00:23:22,799

you have to know everything do you have

514

00:23:27,590 --> 00:23:25,280

to know every system and subsystem when

515

00:23:30,070 --> 00:23:27,600

you fly no you don't

516

00:23:33,029 --> 00:23:30,080

and neither does the pilot

517

00:23:34,830 --> 00:23:33,039

who only has to know how to fly the

518

00:23:37,830 --> 00:23:34,840

plane

519

00:23:39,270 --> 00:23:37,840

right and you you only have to know

520

00:23:40,950 --> 00:23:39,280

where you want to go and how you're

521

00:23:43,430 --> 00:23:40,960

going to pay for the tickets that's all

522

00:23:44,950 --> 00:23:43,440

you really know it's the same thing for

523

00:23:46,470 --> 00:23:44,960

your car

524

00:23:47,750 --> 00:23:46,480

you only have to know how to start it

525

00:23:49,990 --> 00:23:47,760

right

526

00:23:51,269 --> 00:23:50,000

how to point it safely in a direction

527

00:23:53,110 --> 00:23:51,279

that's all you don't have to know

528

00:23:54,789 --> 00:23:53,120

everything about the car

529

00:23:57,750 --> 00:23:54,799

and the physics behind it do you have to

530

00:23:59,350 --> 00:23:57,760

know you don't

531

00:24:01,909 --> 00:23:59,360

look

532

00:24:02,789 --> 00:24:01,919

you wake up in the middle of the night

533

00:24:06,630 --> 00:24:02,799

and

534

00:24:09,110 --> 00:24:06,640

you want the best burger on the planet

535

00:24:12,789 --> 00:24:09,120

you jump in your car you drive 10 miles

536

00:24:15,590 --> 00:24:12,799

in 10 minutes to a 24 hour drive through

537

00:24:18,630 --> 00:24:15,600

you pay for it with a plastic card you

538

00:24:19,750 --> 00:24:18,640

drive home and you munch out you do it

539

00:24:21,430 --> 00:24:19,760

because

540

00:24:23,029 --> 00:24:21,440

it's easy

541

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

and it's fun

542

00:24:26,950 --> 00:24:25,120

that's why you do it

543

00:24:29,350 --> 00:24:26,960

200 years ago

544

00:24:32,230 --> 00:24:29,360

your trip for that burger would have

545

00:24:34,789 --> 00:24:32,240

been compared to some satanic black

546

00:24:34,799 --> 00:24:38,230

seriously

547

00:24:43,750 --> 00:24:41,190

when we hear different thinkers today

548

00:24:45,990 --> 00:24:43,760

argue about how far e.t would have to

549

00:24:48,549 --> 00:24:46,000

travel to get here and the extraordinary

550

00:24:50,390 --> 00:24:48,559

times involved in doing it and the fact

551  
00:24:53,350 --> 00:24:50,400  
that we haven't seen any evidence of

552  
00:24:56,230 --> 00:24:53,360  
this happening out there in the stars

553  
00:24:57,510 --> 00:24:56,240  
it's the same stuff you would have been

554  
00:24:59,750 --> 00:24:57,520  
saying

555  
00:25:02,470 --> 00:24:59,760  
about your trip for the burger at

556  
00:25:05,430 --> 00:25:02,480  
midnight 200 years ago that it's totally

557  
00:25:09,590 --> 00:25:05,440  
impossible and it'll never happen

558  
00:25:15,190 --> 00:25:11,269  
e.t

559  
00:25:17,669 --> 00:25:15,200  
visits us and the rest of the universe

560  
00:25:20,230 --> 00:25:17,679  
because it's easy

561  
00:25:23,590 --> 00:25:20,240  
because it's fast

562  
00:25:28,230 --> 00:25:25,909  
it's not a big deal

563  
00:25:30,789 --> 00:25:28,240

you know and we are going through this

564

00:25:34,149 --> 00:25:30,799

math and we're trying to

565

00:25:36,630 --> 00:25:34,159

and just delaying things and and trying

566

00:25:40,630 --> 00:25:36,640

to get answers mathematically that may

567

00:25:43,269 --> 00:25:40,640

be incorrect from the word go anyway

568

00:25:44,710 --> 00:25:43,279

that's what we are doing today

569

00:25:46,149 --> 00:25:44,720

right

570

00:25:49,190 --> 00:25:46,159

for e.t

571

00:25:51,350 --> 00:25:49,200

to to bounce around we oh man it's 12

572

00:25:53,669 --> 00:25:51,360

000 light years do you know how many

573

00:25:55,750 --> 00:25:53,679

astronomical units that is do you have

574

00:25:58,310 --> 00:25:55,760

any idea how long that would take do you

575

00:26:01,110 --> 00:25:58,320

have any idea et's doing it because it

576  
00:26:02,870 --> 00:26:01,120  
doesn't take any time

577  
00:26:04,390 --> 00:26:02,880  
think about it

578  
00:26:06,950 --> 00:26:04,400  
now

579  
00:26:08,789 --> 00:26:06,960  
just like your trip to the 24-hour

580  
00:26:11,029 --> 00:26:08,799  
drive-thru today

581  
00:26:12,870 --> 00:26:11,039  
20 miles round trip and you're doing

582  
00:26:16,149 --> 00:26:12,880  
that you're back home

583  
00:26:17,029 --> 00:26:16,159  
in 30 minutes with a bag full of hot

584  
00:26:20,870 --> 00:26:17,039  
food

585  
00:26:26,549 --> 00:26:24,390  
200 years ago 20 miles 20 miles do you

586  
00:26:29,029 --> 00:26:26,559  
know how long that would take and if you

587  
00:26:30,230 --> 00:26:29,039  
told somebody 200 years ago that you

588  
00:26:31,830 --> 00:26:30,240

were going to do this in the middle of

589

00:26:34,310 --> 00:26:31,840

the night when you woke up and you're

590

00:26:37,990 --> 00:26:34,320

just like ah yeah i'm just gonna i'm

591

00:26:42,630 --> 00:26:38,000

just gonna drive to the next town

592

00:26:47,990 --> 00:26:43,990

think about that

593

00:26:50,870 --> 00:26:48,000

it's the very same argument you drive

594

00:26:53,029 --> 00:26:50,880

10 miles 20 miles for food because it's

595

00:26:54,470 --> 00:26:53,039

easy fast and it's fun and it doesn't

596

00:26:57,029 --> 00:26:54,480

take any time

597

00:26:59,029 --> 00:26:57,039

it's the same principles here the day

598

00:27:01,350 --> 00:26:59,039

that we sit down with e.t

599

00:27:04,070 --> 00:27:01,360

and we start finding these things out

600

00:27:06,470 --> 00:27:04,080

about how they do it why they do it when

601  
00:27:07,830 --> 00:27:06,480  
they do it and how long it takes think

602  
00:27:11,029 --> 00:27:07,840  
about that

603  
00:27:13,510 --> 00:27:11,039  
and they're going to go it's easy man

604  
00:27:14,789 --> 00:27:13,520  
it's easy

605  
00:27:17,190 --> 00:27:14,799  
yeah

606  
00:27:19,510 --> 00:27:17,200  
this is fade to black i am your host

607  
00:27:21,190 --> 00:27:19,520  
jimmy church tonight

608  
00:27:24,470 --> 00:27:21,200  
on this program

609  
00:27:26,549 --> 00:27:24,480  
adam apollo is here very special week

610  
00:27:28,630 --> 00:27:26,559  
for us here on fade to black i want

611  
00:27:30,389 --> 00:27:28,640  
everybody to stay right there

612  
00:27:33,909 --> 00:27:30,399  
we've got a huge week tomorrow night

613  
00:27:35,590 --> 00:27:33,919

billy carson is with us and then uh

614

00:27:38,070 --> 00:27:35,600

wednesday night caroline corey's going

615

00:27:41,350 --> 00:27:38,080

to be here with with her new film a tear

616

00:27:43,190 --> 00:27:41,360

in the sky tonight it's adam apollo i'm

617

00:27:45,909 --> 00:27:43,200

your host jimmy church this is fade to

618

00:27:47,990 --> 00:27:45,919

black i'm the game changer and on x

619

00:27:49,430 --> 00:27:48,000

networks i'll be right back with

620

00:27:56,490 --> 00:27:49,440

tonight's guest

621

00:28:14,750 --> 00:28:06,590

[Music]

622

00:28:22,870 --> 00:28:14,760

so

623

00:28:27,190 --> 00:28:25,029

this is nicole church daughter of you

624

00:28:28,190 --> 00:28:27,200

know who and you're listening to fade to

625

00:28:29,830 --> 00:28:28,200

black on

626

00:28:32,710 --> 00:28:29,840

jimmychurchradio.com and the game

627

00:28:36,389 --> 00:28:34,870

you're listening to jimmy church and

628

00:28:42,789 --> 00:28:36,399

fade to black

629

00:28:49,269 --> 00:28:45,190

you're listening to jimmy church fade to

630

00:28:56,789 --> 00:28:51,510

fate to black will now pause for alien

631

00:29:00,950 --> 00:28:59,029

introducing the game changer blend from

632

00:29:03,510 --> 00:29:00,960

river moon coffee that delivers a

633

00:29:06,549 --> 00:29:03,520

customized blend made specifically for

634

00:29:09,510 --> 00:29:06,559

the fader knots if the game is rigged

635

00:29:12,389 --> 00:29:09,520

change the game it's a boulder cup with

636

00:29:14,549 --> 00:29:12,399

some bite game changer is the coffee of

637

00:29:16,950 --> 00:29:14,559

choice for those that prefer an organic

638

00:29:20,549 --> 00:29:16,960

dark roast that is slightly lighter and

639

00:29:22,789 --> 00:29:20,559

milder but it's still dark with wild

640

00:29:25,430 --> 00:29:22,799

notes of pecans and chocolate with a

641

00:29:27,750 --> 00:29:25,440

rich balanced full-bodied cup that is

642

00:29:30,389 --> 00:29:27,760

roasted to perfection or a great coffee

643

00:29:33,669 --> 00:29:30,399

to start your day as an after dinner

644

00:29:36,549 --> 00:29:33,679

coffee or anywhere in between artisan

645

00:29:39,110 --> 00:29:36,559

small batch roasted to perfection usda

646

00:29:41,510 --> 00:29:39,120

certified organic all river moon coffee

647

00:29:44,310 --> 00:29:41,520

is freshly roasted and packaged in the

648

00:29:46,470 --> 00:29:44,320

usa just go to [rivermooncoffee.com](http://rivermooncoffee.com) or

649

00:29:50,310 --> 00:29:46,480

click on the banners over on our site

650

00:29:53,110 --> 00:29:50,320

and use the promo code f2b blend for 15

651  
00:29:55,590 --> 00:29:53,120  
off of your order today river moon

652  
00:30:01,029 --> 00:29:58,310  
this is the only way forward

653  
00:30:03,430 --> 00:30:01,039  
this is paid to black

654  
00:30:05,190 --> 00:30:03,440  
make contact

655  
00:30:07,990 --> 00:30:05,200  
this is jimmy church of fade to black

656  
00:30:10,389 --> 00:30:08,000  
and you can get our podcast for just two

657  
00:30:12,710 --> 00:30:10,399  
dollars per month all you have to do is

658  
00:30:16,310 --> 00:30:12,720  
click on the podcast banner over at

659  
00:30:19,510 --> 00:30:17,590  
do you have an interest in the

660  
00:30:21,590 --> 00:30:19,520  
paranormal that you'll love

661  
00:30:24,070 --> 00:30:21,600  
thenxnetwork.com

662  
00:30:26,710 --> 00:30:24,080  
the x is your streaming audio and video

663  
00:30:30,470 --> 00:30:26,720

for everything supernatural strange and

664

00:30:32,710 --> 00:30:30,480

mysterious like ufos bigfoot ghosts and

665

00:30:35,669 --> 00:30:32,720

so much more from hosts like jimmy

666

00:30:38,950 --> 00:30:35,679

church whitley strieber micah hanks and

667

00:30:41,029 --> 00:30:38,960

christina gomez visit the xnetwork.com

668

00:30:43,830 --> 00:30:41,039

show page for a complete list of all the

669

00:30:45,590 --> 00:30:43,840

paranormal programs you'll find on the x

670

00:30:47,990 --> 00:30:45,600

be sure to follow us on twitter for

671

00:30:50,710 --> 00:30:48,000

updates at kunxdb

672

00:30:53,510 --> 00:30:50,720

follow our facebook group annex network

673

00:30:57,110 --> 00:30:53,520

find the podcast on spotify iheart

674

00:30:57,909 --> 00:30:57,120

audible and apple podcast it's time it's

675

00:31:01,509 --> 00:30:57,919

new

676  
00:31:06,630 --> 00:31:01,519  
it's the x x

677  
00:31:10,389 --> 00:31:09,029  
fade to black

678  
00:31:13,029 --> 00:31:10,399  
is not

679  
00:31:17,190 --> 00:31:13,039  
your father's radio show

680  
00:31:21,830 --> 00:31:19,190  
hi this is network reiner from anvil and

681  
00:31:23,750 --> 00:31:21,840  
you're listening to jimmy's church radio

682  
00:31:26,710 --> 00:31:23,760  
dot com

683  
00:31:32,700 --> 00:31:26,720  
what's up i'm chris what up this is

684  
00:31:45,029 --> 00:31:40,520  
[Music]

685  
00:31:50,470 --> 00:31:48,070  
all right welcome back fade to black i

686  
00:31:52,870 --> 00:31:50,480  
am your host jimmy church tonight adam

687  
00:31:55,590 --> 00:31:52,880  
apollo is with us

688  
00:31:58,789 --> 00:31:55,600

adam apollo now here is the deal as a

689

00:32:01,509 --> 00:31:58,799

child adam uh had several encounters

690

00:32:04,470 --> 00:32:01,519

with extraterrestrial starships since

691

00:32:06,470 --> 00:32:04,480

uh since awakening at about 15 years he

692

00:32:09,190 --> 00:32:06,480

has dedicated himself to extensive

693

00:32:12,549 --> 00:32:09,200

studies in theoretical physics symbolic

694

00:32:14,789 --> 00:32:12,559

geometry past life recall sanskr healing

695

00:32:17,430 --> 00:32:14,799

taoist alchemy martial arts energy

696

00:32:19,669 --> 00:32:17,440

therapies occult magic and many diverse

697

00:32:21,350 --> 00:32:19,679

ancient and modern spiritual traditions

698

00:32:23,110 --> 00:32:21,360

and practices

699

00:32:25,269 --> 00:32:23,120

he is the founder of the unified

700

00:32:26,789 --> 00:32:25,279

movement and several education and

701  
00:32:28,710 --> 00:32:26,799  
technology based companies and

702  
00:32:31,029 --> 00:32:28,720  
organizations as well as a faculty

703  
00:32:33,430 --> 00:32:31,039  
member for the residence academy for

704  
00:32:35,269 --> 00:32:33,440  
unified physics he has also provided

705  
00:32:37,669 --> 00:32:35,279  
development consultation and white paper

706  
00:32:39,789 --> 00:32:37,679  
editing for multiple organizations

707  
00:32:41,909 --> 00:32:39,799  
following on sovereignty

708  
00:32:42,870 --> 00:32:41,919  
decentralization and cryptocurrencies

709  
00:32:46,070 --> 00:32:42,880  
including

710  
00:32:48,950 --> 00:32:46,080  
swarm dot fund adam is dedicated to

711  
00:32:51,590 --> 00:32:48,960  
achieving sustainable and thriving

712  
00:32:54,549 --> 00:32:51,600  
interplanetary culture and i want you to

713  
00:32:56,230 --> 00:32:54,559

visit adam apollo.com

714

00:32:58,149 --> 00:32:56,240

and i would like to welcome back to fade

715

00:33:01,350 --> 00:32:58,159

to black the one and only

716

00:33:03,350 --> 00:33:01,360

adam apollo adam my man how you doing oh

717

00:33:05,909 --> 00:33:03,360

you gotta there you go excellent jimmy

718

00:33:08,149 --> 00:33:05,919

how are you tonight man i i am fantastic

719

00:33:10,470 --> 00:33:08,159

man it's it's great to have you here

720

00:33:11,590 --> 00:33:10,480

this is a it's a pretty big night

721

00:33:14,389 --> 00:33:11,600

and

722

00:33:15,950 --> 00:33:14,399

uh you know i wanted to uh you know talk

723

00:33:18,710 --> 00:33:15,960

about physics and

724

00:33:21,029 --> 00:33:18,720

extraterrestrial civilizations and in

725

00:33:24,389 --> 00:33:21,039

the science and all of that

726

00:33:26,230 --> 00:33:24,399

but uh tonight with our new format i had

727

00:33:27,990 --> 00:33:26,240

to do it with

728

00:33:30,230 --> 00:33:28,000

somebody that just looked really good

729

00:33:33,909 --> 00:33:30,240

that was smile

730

00:33:39,590 --> 00:33:36,710

i picked my good friend adam apollo but

731

00:33:41,750 --> 00:33:39,600

um what have you been up to now you

732

00:33:44,310 --> 00:33:41,760

haven't been uh with this uh for a few

733

00:33:47,350 --> 00:33:44,320

months but we're winding down

734

00:33:48,789 --> 00:33:47,360

on this worldwide insanity you know this

735

00:33:51,509 --> 00:33:48,799

is starting

736

00:33:53,110 --> 00:33:51,519

i'm starting to feel a little bit normal

737

00:33:53,830 --> 00:33:53,120

how about you

738

00:33:55,509 --> 00:33:53,840

uh

739

00:33:58,149 --> 00:33:55,519

i don't know if i've ever felt normal in

740

00:34:01,190 --> 00:33:58,159

my life to be honest with you but um i

741

00:34:04,230 --> 00:34:01,200

will say that collectively as a whole i

742

00:34:06,950 --> 00:34:04,240

think that uh the world is taking a few

743

00:34:08,389 --> 00:34:06,960

deeper breaths than it has in a while

744

00:34:10,230 --> 00:34:08,399

and i think that's really really

745

00:34:12,389 --> 00:34:10,240

important because we've all been through

746

00:34:14,230 --> 00:34:12,399

a lot it's been a deeply

747

00:34:16,389 --> 00:34:14,240

transformational time it's been a

748

00:34:19,109 --> 00:34:16,399

difficult time for a lot of people

749

00:34:21,109 --> 00:34:19,119

there's been a huge amount of division

750

00:34:22,710 --> 00:34:21,119

because of differences in perspective

751  
00:34:25,190 --> 00:34:22,720  
and challenges and

752  
00:34:27,349 --> 00:34:25,200  
acceptance of what friends or family

753  
00:34:30,230 --> 00:34:27,359  
members choices are

754  
00:34:32,790 --> 00:34:30,240  
but i think in the end you know we learn

755  
00:34:35,909 --> 00:34:32,800  
that accepting each other for whatever

756  
00:34:37,829 --> 00:34:35,919  
our choices are is always the right path

757  
00:34:38,710 --> 00:34:37,839  
it always brings us a little closer to

758  
00:34:40,310 --> 00:34:38,720  
peace

759  
00:34:41,909 --> 00:34:40,320  
brings us into a little bit greater

760  
00:34:42,710 --> 00:34:41,919  
harmony with each other

761  
00:34:45,190 --> 00:34:42,720  
and

762  
00:34:47,190 --> 00:34:45,200  
i also notice in my own network people

763  
00:34:50,149 --> 00:34:47,200

are just like you know what it's all

764

00:34:52,389 --> 00:34:50,159

good whatever's happened it's all good

765

00:34:54,790 --> 00:34:52,399

let's get together let's get it done

766

00:34:58,150 --> 00:34:54,800

let's move the bar forward let's move

767

00:34:58,950 --> 00:34:58,160

the boat of planetary transformation

768

00:35:02,470 --> 00:34:58,960

the

769

00:35:03,829 --> 00:35:02,480

outlook that i had two years ago

770

00:35:05,109 --> 00:35:03,839

was that

771

00:35:10,790 --> 00:35:05,119

this is

772

00:35:12,310 --> 00:35:10,800

traumatic

773

00:35:16,630 --> 00:35:12,320

um

774

00:35:19,510 --> 00:35:16,640

that in the end we are going to find out

775

00:35:21,829 --> 00:35:19,520

uh that we're all friends on this planet

776

00:35:24,310 --> 00:35:21,839

that we can help each other and that at

777

00:35:26,630 --> 00:35:24,320

the end of this we're gonna come out of

778

00:35:28,310 --> 00:35:26,640

this better i know it sounds weird to

779

00:35:30,870 --> 00:35:28,320

say right now

780

00:35:33,109 --> 00:35:30,880

but at the end of it all

781

00:35:36,230 --> 00:35:33,119

it's going to be a different world

782

00:35:37,750 --> 00:35:36,240

i have have we achieved that different

783

00:35:39,829 --> 00:35:37,760

world do you think that there's a

784

00:35:41,190 --> 00:35:39,839

different outlook with our brothers and

785

00:35:43,510 --> 00:35:41,200

sisters that you know we're all

786

00:35:45,910 --> 00:35:43,520

earthlings here right on this

787

00:35:47,670 --> 00:35:45,920

brilliant blue ball are we gonna come

788

00:35:49,910 --> 00:35:47,680

out of this uh

789

00:35:52,710 --> 00:35:49,920

stronger and better

790

00:35:56,150 --> 00:35:52,720

i believe we will i believe that

791

00:35:57,430 --> 00:35:56,160

as communities you know the progress is

792

00:35:59,829 --> 00:35:57,440

marked by

793

00:36:01,910 --> 00:35:59,839

one by one you know it's one person

794

00:36:04,069 --> 00:36:01,920

making a change and then it's one

795

00:36:05,990 --> 00:36:04,079

community making a change one group of

796

00:36:08,550 --> 00:36:06,000

friends making a change

797

00:36:11,750 --> 00:36:08,560

and that's the way big change actually

798

00:36:13,670 --> 00:36:11,760

happens it's not always like a flashpan

799

00:36:16,150 --> 00:36:13,680

overnight you know when we

800

00:36:17,430 --> 00:36:16,160

founded the unify organization back in

801  
00:36:19,750 --> 00:36:17,440  
2012

802  
00:36:22,310 --> 00:36:19,760  
you know we had this angle that

803  
00:36:23,670 --> 00:36:22,320  
december 21st 2012 if we could just get

804  
00:36:25,510 --> 00:36:23,680  
enough people

805  
00:36:28,710 --> 00:36:25,520  
meditating and dropping in together at

806  
00:36:30,950 --> 00:36:28,720  
the same exact time all over the world

807  
00:36:35,670 --> 00:36:30,960  
maybe we could just pop the collective

808  
00:36:37,910 --> 00:36:35,680  
out of our you know trauma state and and

809  
00:36:39,190 --> 00:36:37,920  
go into a higher vision of what this

810  
00:36:41,270 --> 00:36:39,200  
planet is

811  
00:36:43,750 --> 00:36:41,280  
and i can tell you now after having

812  
00:36:46,390 --> 00:36:43,760  
unified hundreds of millions of people

813  
00:36:48,790 --> 00:36:46,400

in many many campaigns and the unifi

814

00:36:50,790 --> 00:36:48,800

core team has done a fantastic job you

815

00:36:54,230 --> 00:36:50,800

know creating and continuing this

816

00:36:57,510 --> 00:36:54,240

process of synchronizing people around

817

00:36:59,670 --> 00:36:57,520

change making meditation around direct

818

00:37:01,589 --> 00:36:59,680

action cleaning up waters cleaning up

819

00:37:02,390 --> 00:37:01,599

the ocean

820

00:37:03,910 --> 00:37:02,400

that

821

00:37:06,310 --> 00:37:03,920

you know

822

00:37:09,349 --> 00:37:06,320

i i'm a strong believer in the

823

00:37:10,950 --> 00:37:09,359

collective effect as they say the 100th

824

00:37:13,910 --> 00:37:10,960

monkey effect you know when enough

825

00:37:15,990 --> 00:37:13,920

people do something then others wake up

826  
00:37:17,030 --> 00:37:16,000  
to it and i think we're having that

827  
00:37:18,069 --> 00:37:17,040  
effect

828  
00:37:19,750 --> 00:37:18,079  
pretty much

829  
00:37:22,630 --> 00:37:19,760  
constantly right now

830  
00:37:25,349 --> 00:37:22,640  
but it there's you know 8 billion people

831  
00:37:28,390 --> 00:37:25,359  
on this planet and so

832  
00:37:29,510 --> 00:37:28,400  
even though there is a massive tide of

833  
00:37:31,829 --> 00:37:29,520  
change

834  
00:37:32,710 --> 00:37:31,839  
there's still a process that it takes

835  
00:37:34,310 --> 00:37:32,720  
for

836  
00:37:36,550 --> 00:37:34,320  
more and more and more of the collective

837  
00:37:38,550 --> 00:37:36,560  
to actually step into a new way of being

838  
00:37:39,829 --> 00:37:38,560

and a new way of living and for any of

839

00:37:41,750 --> 00:37:39,839

us who have gone through any kind of

840

00:37:44,550 --> 00:37:41,760

spiritual development or awakening

841

00:37:46,630 --> 00:37:44,560

experience you know that sometimes

842

00:37:49,190 --> 00:37:46,640

that kind of experience happens

843

00:37:50,870 --> 00:37:49,200

and you go back to business as usual you

844

00:37:54,870 --> 00:37:50,880

go back to the way you were behaving

845

00:37:56,630 --> 00:37:54,880

before it takes consistency practice and

846

00:37:59,750 --> 00:37:56,640

sometimes repetitive

847

00:38:01,349 --> 00:37:59,760

transcendental experiences to stabilize

848

00:38:04,069 --> 00:38:01,359

into new states of energy and

849

00:38:06,150 --> 00:38:04,079

consciousness so that we can actually

850

00:38:07,589 --> 00:38:06,160

experience that more widely as a

851  
00:38:10,790 --> 00:38:07,599  
collective

852  
00:38:12,390 --> 00:38:10,800  
do you feel uh well i want to just get

853  
00:38:14,829 --> 00:38:12,400  
straight into this

854  
00:38:16,829 --> 00:38:14,839  
do you feel that an

855  
00:38:19,270 --> 00:38:16,839  
extraterrestrial

856  
00:38:22,550 --> 00:38:19,280  
civilization would have to have gone

857  
00:38:24,870 --> 00:38:22,560  
through the same evolutionary processes

858  
00:38:27,430 --> 00:38:24,880  
that we did and are going through here

859  
00:38:29,990 --> 00:38:27,440  
on earth did they experience

860  
00:38:31,750 --> 00:38:30,000  
everything you know starting with let's

861  
00:38:33,990 --> 00:38:31,760  
sometimes you know like did they start

862  
00:38:37,510 --> 00:38:34,000  
with fire

863  
00:38:40,230 --> 00:38:37,520

and did they did they end in nuclear war

864

00:38:43,270 --> 00:38:40,240

and and got hit by an asteroid

865

00:38:44,870 --> 00:38:43,280

you know i'd say that from my experience

866

00:38:45,829 --> 00:38:44,880

and my contact experiences and

867

00:38:49,190 --> 00:38:45,839

communication with different

868

00:38:52,870 --> 00:38:49,200

civilizations it's been a different path

869

00:38:54,470 --> 00:38:52,880

for each species on their planet

870

00:38:57,270 --> 00:38:54,480

for example for

871

00:38:59,510 --> 00:38:57,280

the pleiadian species the answer was not

872

00:39:01,990 --> 00:38:59,520

fire fire was not the big breakthrough

873

00:39:03,349 --> 00:39:02,000

right the big breakthrough was water

874

00:39:06,710 --> 00:39:03,359

because the

875

00:39:09,030 --> 00:39:06,720

planet that they evolved on is mostly

876

00:39:11,589 --> 00:39:09,040

covered in water with island chains

877

00:39:14,550 --> 00:39:11,599

and they showed me that essentially the

878

00:39:17,270 --> 00:39:14,560

understanding of the keys to water how

879

00:39:20,310 --> 00:39:17,280

water comes into being how water

880

00:39:21,990 --> 00:39:20,320

vibrates how water can densify and

881

00:39:24,710 --> 00:39:22,000

lighten

882

00:39:27,030 --> 00:39:24,720

the mastery of water was the key for

883

00:39:29,349 --> 00:39:27,040

them that spawned technological

884

00:39:32,310 --> 00:39:29,359

evolution and all the way to learning

885

00:39:35,589 --> 00:39:32,320

how to create spaceship holes literally

886

00:39:37,750 --> 00:39:35,599

made out of aqueous membranes that act

887

00:39:39,829 --> 00:39:37,760

like diaphragms for example another

888

00:39:42,790 --> 00:39:39,839

species the nagura that i came into

889

00:39:45,829 --> 00:39:42,800

contact with at some point showed me

890

00:39:48,310 --> 00:39:45,839

that on their planet they had this

891

00:39:49,990 --> 00:39:48,320

deep challenge of having essentially

892

00:39:51,190 --> 00:39:50,000

pterodactyl-like

893

00:39:53,430 --> 00:39:51,200

creatures

894

00:39:56,310 --> 00:39:53,440

flying around on their planet and they

895

00:39:58,470 --> 00:39:56,320

developed these bone ridges on their

896

00:40:01,349 --> 00:39:58,480

heads almost like a shield like

897

00:40:03,349 --> 00:40:01,359

structure of their skulls on their heads

898

00:40:05,109 --> 00:40:03,359

as a defense mechanism to protect them

899

00:40:07,510 --> 00:40:05,119

against these you know

900

00:40:09,670 --> 00:40:07,520

flying dinosaurs essentially that would

901  
00:40:11,030 --> 00:40:09,680  
come down and try to snatch them try to

902  
00:40:13,030 --> 00:40:11,040  
bite them

903  
00:40:15,270 --> 00:40:13,040  
and so for them

904  
00:40:17,910 --> 00:40:15,280  
the tech the evolution was actually

905  
00:40:20,390 --> 00:40:17,920  
about learning how to communicate with

906  
00:40:23,589 --> 00:40:20,400  
animal species by learning the subtle

907  
00:40:27,430 --> 00:40:23,599  
vibrations that drive psychological

908  
00:40:30,309 --> 00:40:27,440  
responses in wild animals they learned

909  
00:40:32,710 --> 00:40:30,319  
the subtleties of of the magic of sound

910  
00:40:34,790 --> 00:40:32,720  
and vibration and how to actually

911  
00:40:37,109 --> 00:40:34,800  
vibrate things in a way that

912  
00:40:39,750 --> 00:40:37,119  
spawned a massive technical evolution

913  
00:40:41,990 --> 00:40:39,760

for them for the syrians it's living on

914

00:40:43,750 --> 00:40:42,000

a planet with two sons you have daylight

915

00:40:46,950 --> 00:40:43,760

all the time you got light all the time

916

00:40:48,950 --> 00:40:46,960

you have to learn how to manage light

917

00:40:51,030 --> 00:40:48,960

how to manage sunlight to be able to see

918

00:40:54,790 --> 00:40:51,040

the stars to be able to work with things

919

00:40:56,870 --> 00:40:54,800

and so for them light was the functional

920

00:40:59,510 --> 00:40:56,880

element you could say of reality that

921

00:41:01,430 --> 00:40:59,520

drove their technological evolution so

922

00:41:02,390 --> 00:41:01,440

different paths for different beings for

923

00:41:05,430 --> 00:41:02,400

sure

924

00:41:08,470 --> 00:41:05,440

now and what about okay

925

00:41:11,670 --> 00:41:08,480

so it's it's water for one it's it's

926  
00:41:13,670 --> 00:41:11,680  
it's it energy i i get that

927  
00:41:15,670 --> 00:41:13,680  
what about the other stuff

928  
00:41:19,030 --> 00:41:15,680  
philosophy did they go through

929  
00:41:22,150 --> 00:41:19,040  
they go through

930  
00:41:25,109 --> 00:41:22,160  
uh entertainment and the arts and

931  
00:41:27,750 --> 00:41:25,119  
in writing and poetry and music did they

932  
00:41:30,309 --> 00:41:27,760  
have van halen for instance you know for

933  
00:41:34,309 --> 00:41:30,319  
you it's nine inch nails and

934  
00:41:39,750 --> 00:41:36,150  
did did they do that you know did they

935  
00:41:42,470 --> 00:41:39,760  
go through that part of it as well i i

936  
00:41:44,550 --> 00:41:42,480  
sometimes picture a dry

937  
00:41:45,990 --> 00:41:44,560  
you know that's my fear right some

938  
00:41:49,190 --> 00:41:46,000

culture that

939

00:41:51,510 --> 00:41:49,200

didn't explore the arts or philosophy

940

00:41:53,109 --> 00:41:51,520

that they stayed black and white and

941

00:41:55,670 --> 00:41:53,119

pramatic and

942

00:41:58,550 --> 00:41:55,680

pragmatic in chemistry and math and

943

00:42:00,470 --> 00:41:58,560

science and there will be no fun

944

00:42:02,870 --> 00:42:00,480

yeah well you know as we always talk

945

00:42:04,390 --> 00:42:02,880

about in our conversations jimmy it's

946

00:42:08,309 --> 00:42:04,400

tough to throw

947

00:42:10,870 --> 00:42:08,319

any culture any race any species into a

948

00:42:13,589 --> 00:42:10,880

vast enough bucket that you can sort of

949

00:42:15,270 --> 00:42:13,599

essentially generalize to the entire way

950

00:42:17,109 --> 00:42:15,280

of being and if we're talking about

951  
00:42:18,870 --> 00:42:17,119  
throwing all the species in the galaxy

952  
00:42:20,470 --> 00:42:18,880  
into that kind of bucket you know i'm

953  
00:42:22,710 --> 00:42:20,480  
going to push back strongly which is why

954  
00:42:24,630 --> 00:42:22,720  
i like to speak to each individual

955  
00:42:27,030 --> 00:42:24,640  
species that i know about and that i've

956  
00:42:28,630 --> 00:42:27,040  
had experiences with now

957  
00:42:29,589 --> 00:42:28,640  
that being said

958  
00:42:31,589 --> 00:42:29,599  
you know

959  
00:42:35,109 --> 00:42:31,599  
does anybody else out there have a you

960  
00:42:37,030 --> 00:42:35,119  
know a van halen no sir not not not

961  
00:42:40,790 --> 00:42:37,040  
exactly you know does anybody got a

962  
00:42:43,829 --> 00:42:40,800  
james brown out there absolutely not but

963  
00:42:46,230 --> 00:42:43,839

you know our journey of art on this

964

00:42:48,390 --> 00:42:46,240

planet is special and

965

00:42:50,870 --> 00:42:48,400

and beautiful and our

966

00:42:52,550 --> 00:42:50,880

specific ways of exploring the universe

967

00:42:54,069 --> 00:42:52,560

and the philosophy of being and the

968

00:42:56,710 --> 00:42:54,079

magic of music

969

00:42:58,630 --> 00:42:56,720

is is original and is different than

970

00:43:00,710 --> 00:42:58,640

anywhere else out there in the universe

971

00:43:01,910 --> 00:43:00,720

and that's part of what makes us human

972

00:43:05,430 --> 00:43:01,920

that's what part of what makes us

973

00:43:06,790 --> 00:43:05,440

special now are there other pathways and

974

00:43:09,990 --> 00:43:06,800

art forms

975

00:43:12,630 --> 00:43:10,000

and capacities and practices that other

976  
00:43:15,589 --> 00:43:12,640  
species develop that could equate to the

977  
00:43:17,510 --> 00:43:15,599  
level of depth of philosophy that we

978  
00:43:20,550 --> 00:43:17,520  
have on this planet or arts that we have

979  
00:43:23,510 --> 00:43:20,560  
on this planet absolutely in fact i know

980  
00:43:26,230 --> 00:43:23,520  
of some worlds where their mastery in

981  
00:43:27,589 --> 00:43:26,240  
particular areas has led them down

982  
00:43:29,190 --> 00:43:27,599  
pathways to

983  
00:43:30,630 --> 00:43:29,200  
just uh

984  
00:43:33,030 --> 00:43:30,640  
things that would essentially be

985  
00:43:36,390 --> 00:43:33,040  
absolutely mind-blowing to us that that

986  
00:43:39,190 --> 00:43:36,400  
just we can't even conceive of society

987  
00:43:41,430 --> 00:43:39,200  
operating with these particular gifts or

988  
00:43:44,069 --> 00:43:41,440

these particular things and yet and yet

989

00:43:45,910 --> 00:43:44,079

they exist out there um you know i i

990

00:43:48,069 --> 00:43:45,920

speak about the pleiadians a lot and one

991

00:43:51,109 --> 00:43:48,079

of their major gifts is that they have a

992

00:43:54,069 --> 00:43:51,119

entirely different way of defining and

993

00:43:56,630 --> 00:43:54,079

relating to sexuality than people do in

994

00:43:58,470 --> 00:43:56,640

many other planets out there and wait

995

00:44:01,829 --> 00:43:58,480

wait wait how so

996

00:44:04,309 --> 00:44:01,839

yeah so uh from my own experiences there

997

00:44:05,190 --> 00:44:04,319

as a pleiadian as well as memories that

998

00:44:07,589 --> 00:44:05,200

i've

999

00:44:09,349 --> 00:44:07,599

encountered from many many of my

1000

00:44:11,349 --> 00:44:09,359

pleiadian friends and family that are

1001  
00:44:12,470 --> 00:44:11,359  
here on this planet now

1002  
00:44:14,470 --> 00:44:12,480  
essentially

1003  
00:44:17,270 --> 00:44:14,480  
one of the things that they practice is

1004  
00:44:19,670 --> 00:44:17,280  
they have these healing spas so to speak

1005  
00:44:22,150 --> 00:44:19,680  
they're like grottos and some of them

1006  
00:44:23,990 --> 00:44:22,160  
are built actually in caverns where you

1007  
00:44:27,230 --> 00:44:24,000  
can go under the water and then come up

1008  
00:44:29,109 --> 00:44:27,240  
into these air caverns uh full of

1009  
00:44:31,030 --> 00:44:29,119  
bioluminescence and beautiful

1010  
00:44:33,910 --> 00:44:31,040  
crystalline structures and these are

1011  
00:44:37,190 --> 00:44:33,920  
essentially healing centers where

1012  
00:44:38,790 --> 00:44:37,200  
there is an open exploration of healing

1013  
00:44:42,710 --> 00:44:38,800

and sexuality

1014

00:44:45,030 --> 00:44:42,720

imagine you know a 24 7 orgy going on

1015

00:44:48,150 --> 00:44:45,040

but that is not

1016

00:44:49,910 --> 00:44:48,160

fixed to an act or a particular type of

1017

00:44:53,349 --> 00:44:49,920

pleasure or a particular type of

1018

00:44:55,270 --> 00:44:53,359

experience but is instead this dynamic

1019

00:44:56,390 --> 00:44:55,280

weave of souls

1020

00:44:57,670 --> 00:44:56,400

literally

1021

00:45:00,309 --> 00:44:57,680

essentially

1022

00:45:02,710 --> 00:45:00,319

decompressing from their other work in

1023

00:45:04,309 --> 00:45:02,720

the universe whatever they do out there

1024

00:45:06,470 --> 00:45:04,319

in the world whatever they do across

1025

00:45:09,190 --> 00:45:06,480

worlds uh whether they're a stellar

1026  
00:45:11,349 --> 00:45:09,200  
ambassador or a guardian on a planet or

1027  
00:45:13,750 --> 00:45:11,359  
they're you know a traveler or they're

1028  
00:45:16,150 --> 00:45:13,760  
you know a translator of language or

1029  
00:45:18,870 --> 00:45:16,160  
they guide in starships from one of the

1030  
00:45:20,950 --> 00:45:18,880  
polls in the syrian system they go

1031  
00:45:23,510 --> 00:45:20,960  
people beings from all over the galaxy

1032  
00:45:26,309 --> 00:45:23,520  
go to these places to essentially

1033  
00:45:28,230 --> 00:45:26,319  
completely decompress go through massive

1034  
00:45:29,109 --> 00:45:28,240  
physiological healing

1035  
00:45:31,829 --> 00:45:29,119  
have

1036  
00:45:34,150 --> 00:45:31,839  
rich and deep and diverse sexual

1037  
00:45:36,790 --> 00:45:34,160  
experiences and essentially nourish

1038  
00:45:39,109 --> 00:45:36,800

themselves back into their full strength

1039

00:45:41,430 --> 00:45:39,119

their full power their full state of

1040

00:45:43,589 --> 00:45:41,440

self-love and appreciation to be able to

1041

00:45:44,790 --> 00:45:43,599

then go back out and do their work out

1042

00:45:45,589 --> 00:45:44,800

in the universe

1043

00:45:46,390 --> 00:45:45,599

and

1044

00:45:48,710 --> 00:45:46,400

yeah

1045

00:45:50,309 --> 00:45:48,720

that's a different one well you know

1046

00:45:52,470 --> 00:45:50,319

here's the thing

1047

00:45:54,870 --> 00:45:52,480

eventually

1048

00:45:58,630 --> 00:45:54,880

somebody's going to get shot up on

1049

00:46:01,109 --> 00:45:58,640

spacex's falcon 9 to the iss

1050

00:46:04,870 --> 00:46:01,119

for such an experiment

1051

00:46:06,870 --> 00:46:04,880

i hope so jimmy i honestly do

1052

00:46:09,270 --> 00:46:06,880

we've been waiting for that for a while

1053

00:46:10,870 --> 00:46:09,280

right we i i mean it's on everybody's

1054

00:46:12,309 --> 00:46:10,880

mind right sure

1055

00:46:14,950 --> 00:46:12,319

not just not playing especially the

1056

00:46:17,349 --> 00:46:14,960

pleiadians that are here jesus come on

1057

00:46:19,670 --> 00:46:17,359

humans catch up

1058

00:46:25,589 --> 00:46:19,680

seriously we've all been thinking about

1059

00:46:29,349 --> 00:46:25,599

that now um uh to that end um i i

1060

00:46:31,589 --> 00:46:29,359

i spoke in the beginning uh in my rant

1061

00:46:32,710 --> 00:46:31,599

about uh

1062

00:46:35,190 --> 00:46:32,720

the

1063

00:46:36,309 --> 00:46:35,200

et's coming here because it's fast easy

1064

00:46:38,950 --> 00:46:36,319

and fun

1065

00:46:42,390 --> 00:46:38,960

it doesn't take any time it's this isn't

1066

00:46:44,790 --> 00:46:42,400

what we think it is when we base it on

1067

00:46:47,030 --> 00:46:44,800

physics how we know it today and you

1068

00:46:49,270 --> 00:46:47,040

have all these smart physicists you know

1069

00:46:52,710 --> 00:46:49,280

these guys that say that they're smart

1070

00:46:57,829 --> 00:46:54,870

and that's say you know these vast

1071

00:47:00,630 --> 00:46:57,839

distances and it would take you know

1072

00:47:01,510 --> 00:47:00,640

a million light years and okay

1073

00:47:04,230 --> 00:47:01,520

um

1074

00:47:06,150 --> 00:47:04,240

and people listen to them yeah but

1075

00:47:08,870 --> 00:47:06,160

that i don't think that that is the case

1076  
00:47:09,670 --> 00:47:08,880  
and i equate it adam

1077  
00:47:10,710 --> 00:47:09,680  
to

1078  
00:47:12,230 --> 00:47:10,720  
you

1079  
00:47:13,829 --> 00:47:12,240  
driving

1080  
00:47:16,470 --> 00:47:13,839  
in your car

1081  
00:47:18,630 --> 00:47:16,480  
to go 50 miles to buy a pair of shoes

1082  
00:47:20,470 --> 00:47:18,640  
and come back home yeah

1083  
00:47:22,309 --> 00:47:20,480  
you know you're a fashion conscious guy

1084  
00:47:24,630 --> 00:47:22,319  
that's why

1085  
00:47:25,349 --> 00:47:24,640  
let's just say that that's the case

1086  
00:47:27,270 --> 00:47:25,359  
right

1087  
00:47:28,950 --> 00:47:27,280  
and and you drive for a pair of shoes

1088  
00:47:30,790 --> 00:47:28,960

you pay for the shoes with a with a

1089

00:47:33,430 --> 00:47:30,800

plastic card

1090

00:47:35,190 --> 00:47:33,440

and and you drive home listening to

1091

00:47:38,069 --> 00:47:35,200

satellite radio

1092

00:47:40,790 --> 00:47:38,079

and and your home uh you went there and

1093

00:47:42,390 --> 00:47:40,800

back you did 100 miles in an hour right

1094

00:47:44,390 --> 00:47:42,400

whatever sure

1095

00:47:46,710 --> 00:47:44,400

but 200 years ago

1096

00:47:48,549 --> 00:47:46,720

that's black magic

1097

00:47:50,630 --> 00:47:48,559

that's crazy and you would have

1098

00:47:53,589 --> 00:47:50,640

everybody saying that's impossible

1099

00:47:55,910 --> 00:47:53,599

exactly you can't do that well you do it

1100

00:47:58,309 --> 00:47:55,920

today because it's fast easy and it's

1101

00:47:59,349 --> 00:47:58,319

fun and it takes some time it's easy to

1102

00:48:02,549 --> 00:47:59,359

do

1103

00:48:04,790 --> 00:48:02,559

that it would have to be the same for et

1104

00:48:07,430 --> 00:48:04,800

right that's right that's right you know

1105

00:48:09,270 --> 00:48:07,440

stephen hawking as much as i love the

1106

00:48:11,589 --> 00:48:09,280

guy for a lot of his brilliance and his

1107

00:48:13,750 --> 00:48:11,599

insights and you know i love the movie

1108

00:48:15,430 --> 00:48:13,760

about him it was just really sweet and

1109

00:48:18,069 --> 00:48:15,440

and gentle and kind

1110

00:48:20,230 --> 00:48:18,079

and but to be honest like you know the

1111

00:48:23,109 --> 00:48:20,240

guy kind of really screwed the pooch

1112

00:48:23,910 --> 00:48:23,119

when it came to as they say when it came

1113

00:48:30,549 --> 00:48:23,920

to

1114

00:48:31,510 --> 00:48:30,559

because this guy is absolutely brilliant

1115

00:48:32,710 --> 00:48:31,520

you know

1116

00:48:34,710 --> 00:48:32,720

and yet

1117

00:48:37,510 --> 00:48:34,720

he can't conceive

1118

00:48:38,790 --> 00:48:37,520

of the idea that some species somewhere

1119

00:48:42,230 --> 00:48:38,800

in the galaxy

1120

00:48:44,309 --> 00:48:42,240

figures out how to essentially control

1121

00:48:45,670 --> 00:48:44,319

gravity right like because that's all it

1122

00:48:47,990 --> 00:48:45,680

really takes we're literally talking

1123

00:48:50,309 --> 00:48:48,000

about control over the fabric of

1124

00:48:52,069 --> 00:48:50,319

space-time itself the structure of space

1125

00:48:54,470 --> 00:48:52,079

time the flow of space time the

1126

00:48:56,870 --> 00:48:54,480

curvature of space time i.e gravity

1127

00:48:59,589 --> 00:48:56,880

right and and so you have this brilliant

1128

00:49:01,990 --> 00:48:59,599

physicist who's still thinking

1129

00:49:03,670 --> 00:49:02,000

just you know like somebody from the 60s

1130

00:49:05,349 --> 00:49:03,680

or the 50s or

1131

00:49:08,630 --> 00:49:05,359

however far back you want to go your

1132

00:49:11,510 --> 00:49:08,640

first rocket was in the 1500s in china

1133

00:49:13,190 --> 00:49:11,520

and the idea is you put a bunch of fuel

1134

00:49:16,950 --> 00:49:13,200

in this little thing and you light a

1135

00:49:19,030 --> 00:49:16,960

fuse and it propels you into the sky

1136

00:49:22,470 --> 00:49:19,040

and so people think that the most

1137

00:49:23,589 --> 00:49:22,480

advanced way to explore the stars still

1138

00:49:25,990 --> 00:49:23,599

must be

1139

00:49:29,430 --> 00:49:26,000

you know lighting the fuse on a bomb

1140

00:49:31,990 --> 00:49:29,440

underneath us and riding the explosion

1141

00:49:34,630 --> 00:49:32,000

which essentially is absolutely

1142

00:49:37,430 --> 00:49:34,640

inefficient and is a fundamentally

1143

00:49:38,630 --> 00:49:37,440

terrible idea in terms of its waste in

1144

00:49:40,470 --> 00:49:38,640

terms of the way it works with

1145

00:49:42,150 --> 00:49:40,480

space-time because einstein he pointed

1146

00:49:44,390 --> 00:49:42,160

out to us he's like look when you

1147

00:49:47,430 --> 00:49:44,400

accelerate through space-time you know

1148

00:49:49,829 --> 00:49:47,440

go up an elevator real fast you can feel

1149

00:49:51,910 --> 00:49:49,839

it you're warping space-time and the

1150

00:49:53,829 --> 00:49:51,920

more you bend space time by hitting the

1151  
00:49:55,990 --> 00:49:53,839  
accelerator to get you know going 100

1152  
00:49:58,630 --> 00:49:56,000  
miles an hour to go get some shoes 50

1153  
00:50:01,910 --> 00:49:58,640  
miles away or whatever that is like

1154  
00:50:04,549 --> 00:50:01,920  
every time you feel that g-force you are

1155  
00:50:07,190 --> 00:50:04,559  
experiencing space-time bending around

1156  
00:50:09,349 --> 00:50:07,200  
you and the more you bend space-time the

1157  
00:50:11,109 --> 00:50:09,359  
harder and harder it is to do and it

1158  
00:50:13,109 --> 00:50:11,119  
gets to the point where it takes

1159  
00:50:16,309 --> 00:50:13,119  
literally infinite energy to go any

1160  
00:50:18,069 --> 00:50:16,319  
faster if you accelerate up to the speed

1161  
00:50:21,670 --> 00:50:18,079  
of light now

1162  
00:50:24,710 --> 00:50:21,680  
there's another way around this jimmy

1163  
00:50:27,270 --> 00:50:24,720

i'm waiting okay actually

1164

00:50:28,870 --> 00:50:27,280

let me respond to that let me respond i

1165

00:50:32,710 --> 00:50:28,880

figured you wanted to i

1166

00:50:35,030 --> 00:50:32,720

i i um i saw a chapter in a book uh

1167

00:50:37,190 --> 00:50:35,040

and and i right not a chapter i'm sorry

1168

00:50:39,589 --> 00:50:37,200

paragraph and i read it like this is

1169

00:50:41,589 --> 00:50:39,599

last week and i read it like 10 times

1170

00:50:44,230 --> 00:50:41,599

over and over again

1171

00:50:46,950 --> 00:50:44,240

this physicist argument

1172

00:50:48,950 --> 00:50:46,960

at traveling at or near the speed of

1173

00:50:52,150 --> 00:50:48,960

light in a spacecraft

1174

00:50:55,990 --> 00:50:52,160

is impossible because every

1175

00:50:59,430 --> 00:50:56,000

uh cubic square meter of space

1176  
00:51:01,829 --> 00:50:59,440  
has at least a hydrogen atom in it that

1177  
00:51:03,109 --> 00:51:01,839  
space isn't empty and then at the speed

1178  
00:51:05,270 --> 00:51:03,119  
of light

1179  
00:51:08,549 --> 00:51:05,280  
you will be

1180  
00:51:10,230 --> 00:51:08,559  
not hitting particles you are you are

1181  
00:51:11,510 --> 00:51:10,240  
crashing through

1182  
00:51:13,910 --> 00:51:11,520  
a sea

1183  
00:51:16,230 --> 00:51:13,920  
of hydrogen atoms that would pulverize

1184  
00:51:18,069 --> 00:51:16,240  
your ship yeah now

1185  
00:51:20,069 --> 00:51:18,079  
i don't think that that's but that's

1186  
00:51:22,549 --> 00:51:20,079  
their counter argument to this right

1187  
00:51:23,910 --> 00:51:22,559  
sure sure there has to be something else

1188  
00:51:27,510 --> 00:51:23,920

in play here

1189

00:51:29,750 --> 00:51:27,520

he's thinking of newtonian physics right

1190

00:51:31,750 --> 00:51:29,760

just moving straight ahead and and

1191

00:51:34,390 --> 00:51:31,760

that's it right with a candle on the

1192

00:51:36,950 --> 00:51:34,400

back that's lit up exactly

1193

00:51:38,630 --> 00:51:36,960

and that argument also by the way has

1194

00:51:39,910 --> 00:51:38,640

been challenged for

1195

00:51:42,309 --> 00:51:39,920

at least

1196

00:51:45,190 --> 00:51:42,319

two decades because you know in the

1197

00:51:47,510 --> 00:51:45,200

early 2000s i met engineers who were

1198

00:51:51,030 --> 00:51:47,520

talking about essentially

1199

00:51:53,349 --> 00:51:51,040

using a sonic membrane to provide a

1200

00:51:56,390 --> 00:51:53,359

vibrational field that would essentially

1201  
00:51:58,630 --> 00:51:56,400  
move any particles or matter out from

1202  
00:51:59,910 --> 00:51:58,640  
the front of the wake of a ship that is

1203  
00:52:01,750 --> 00:51:59,920  
trying to drive its way through

1204  
00:52:04,390 --> 00:52:01,760  
spacetime and they were you know working

1205  
00:52:06,710 --> 00:52:04,400  
on that back with like the earliest ion

1206  
00:52:08,790 --> 00:52:06,720  
engines and creating ion rockets and ion

1207  
00:52:11,109 --> 00:52:08,800  
thrusters attempting to do something

1208  
00:52:12,230 --> 00:52:11,119  
faster than nuclear or faster than you

1209  
00:52:15,109 --> 00:52:12,240  
know

1210  
00:52:17,270 --> 00:52:15,119  
lighting up dinosaur blood and

1211  
00:52:20,309 --> 00:52:17,280  
setting it on fire um

1212  
00:52:23,349 --> 00:52:20,319  
and so essentially you know

1213  
00:52:25,829 --> 00:52:23,359

the idea that that you can

1214

00:52:28,710 --> 00:52:25,839

uh that essentially space time is full

1215

00:52:30,390 --> 00:52:28,720

of all this funk it's it's it's almost

1216

00:52:32,790 --> 00:52:30,400

it doesn't even matter

1217

00:52:34,390 --> 00:52:32,800

because you're still dealing with the

1218

00:52:36,230 --> 00:52:34,400

argument that you're pushing through

1219

00:52:39,349 --> 00:52:36,240

space-time and whether you're talking

1220

00:52:41,190 --> 00:52:39,359

about atomic mass in hydrogen atoms or

1221

00:52:43,349 --> 00:52:41,200

you're literally just talking about the

1222

00:52:46,150 --> 00:52:43,359

mass energy of the quantum vacuum of

1223

00:52:47,589 --> 00:52:46,160

space itself right you don't want to try

1224

00:52:50,710 --> 00:52:47,599

to push your way through it it's

1225

00:52:52,870 --> 00:52:50,720

ridiculous and yes you cannot accelerate

1226

00:52:56,150 --> 00:52:52,880

to the speed of light if you're pushing

1227

00:52:57,990 --> 00:52:56,160

through the fabric and so the solution

1228

00:53:02,390 --> 00:52:58,000

it happens to be

1229

00:53:05,190 --> 00:53:02,400

how do you reach a speed or get to some

1230

00:53:06,710 --> 00:53:05,200

position in space time without

1231

00:53:08,390 --> 00:53:06,720

accelerating

1232

00:53:11,109 --> 00:53:08,400

that's the question

1233

00:53:12,870 --> 00:53:11,119

you remove the space in between you you

1234

00:53:15,030 --> 00:53:12,880

remove the space in between you that's

1235

00:53:17,589 --> 00:53:15,040

the perfect way to look at it is jumping

1236

00:53:19,990 --> 00:53:17,599

but essentially to remove space in

1237

00:53:22,390 --> 00:53:20,000

between you and another location the

1238

00:53:24,630 --> 00:53:22,400

first thing you have to do is isolate

1239

00:53:26,549 --> 00:53:24,640

the space time around the mass energy of

1240

00:53:31,510 --> 00:53:26,559

the object that you're in

1241

00:53:33,190 --> 00:53:31,520

is in a gravitational pull right we are

1242

00:53:34,390 --> 00:53:33,200

experiencing it right now if i just let

1243

00:53:37,430 --> 00:53:34,400

my hand drop

1244

00:53:39,270 --> 00:53:37,440

i'm riding the gravitational well of the

1245

00:53:40,950 --> 00:53:39,280

earth towards the center of the earth

1246

00:53:43,430 --> 00:53:40,960

but it's not just the earth's field i'm

1247

00:53:45,829 --> 00:53:43,440

in i'm in the earth moon's gravitational

1248

00:53:48,309 --> 00:53:45,839

field that's shared i'm in the solar

1249

00:53:50,710 --> 00:53:48,319

system's gravitational well i'm in the

1250

00:53:52,870 --> 00:53:50,720

galaxy's gravitational well and i'm in

1251

00:53:55,430 --> 00:53:52,880

laniakea's gravitational well our

1252

00:53:57,430 --> 00:53:55,440

galactic cluster and that's probably

1253

00:53:59,589 --> 00:53:57,440

within an even larger you know super

1254

00:54:01,750 --> 00:53:59,599

super super duper cluster or universal

1255

00:54:04,870 --> 00:54:01,760

cluster right and so

1256

00:54:08,549 --> 00:54:04,880

essentially i need some way to separate

1257

00:54:11,510 --> 00:54:08,559

the mass energy of my body my craft from

1258

00:54:13,670 --> 00:54:11,520

the surrounding mass energy field

1259

00:54:15,910 --> 00:54:13,680

that is moving towards these

1260

00:54:18,630 --> 00:54:15,920

gravitational centers

1261

00:54:21,190 --> 00:54:18,640

and establish my own

1262

00:54:24,710 --> 00:54:21,200

sovereign space so to speak

1263

00:54:27,589 --> 00:54:24,720

and so the idea here is what happens if

1264

00:54:30,790 --> 00:54:27,599

you create a bubble around the craft

1265

00:54:33,670 --> 00:54:30,800

essentially creating a field

1266

00:54:35,990 --> 00:54:33,680

which establishes a boundary condition

1267

00:54:37,910 --> 00:54:36,000

between the inside of the craft and the

1268

00:54:40,230 --> 00:54:37,920

outside of the craft and that

1269

00:54:41,510 --> 00:54:40,240

essentially divides the fabric of

1270

00:54:44,069 --> 00:54:41,520

space-time

1271

00:54:46,309 --> 00:54:44,079

from what's going on inside of the ship

1272

00:54:47,670 --> 00:54:46,319

and what's going on outside of the ship

1273

00:54:51,109 --> 00:54:47,680

and then

1274

00:54:53,510 --> 00:54:51,119

there's no longer this kind of continuum

1275

00:54:56,230 --> 00:54:53,520

of the space-time lattice

1276

00:54:59,030 --> 00:54:56,240

that's intersecting into the mass of the

1277

00:55:01,430 --> 00:54:59,040

craft because when it's intersecting

1278

00:55:03,829 --> 00:55:01,440

you've got to push through it right it's

1279

00:55:06,230 --> 00:55:03,839

pulling and pushing it's like

1280

00:55:08,549 --> 00:55:06,240

you can think of the idea as friction

1281

00:55:11,910 --> 00:55:08,559

but we're not talking about friction

1282

00:55:13,829 --> 00:55:11,920

at a molecular level or an atomic level

1283

00:55:15,510 --> 00:55:13,839

we're talking about friction at the

1284

00:55:17,190 --> 00:55:15,520

level of the quantum vacuum of

1285

00:55:20,230 --> 00:55:17,200

space-time itself

1286

00:55:22,710 --> 00:55:20,240

so it's removing the mass energy charge

1287

00:55:25,109 --> 00:55:22,720

connection that exists between the craft

1288

00:55:27,829 --> 00:55:25,119

and its surroundings

1289

00:55:30,870 --> 00:55:27,839

crazy jimmy accept that

1290

00:55:33,430 --> 00:55:30,880

it turns out that if you follow the

1291

00:55:34,470 --> 00:55:33,440

physics of unified physics and you look

1292

00:55:37,589 --> 00:55:34,480

at

1293

00:55:40,470 --> 00:55:37,599

and you consider

1294

00:55:42,870 --> 00:55:40,480

the reality of what's going on in

1295

00:55:44,549 --> 00:55:42,880

protons and neutrons and electrons and

1296

00:55:47,270 --> 00:55:44,559

how all of this stuff is made how the

1297

00:55:50,069 --> 00:55:47,280

heck is matter and mass and coffee and

1298

00:55:52,150 --> 00:55:50,079

all these things actually exist well

1299

00:55:54,390 --> 00:55:52,160

if you take the work of brilliant

1300

00:55:57,910 --> 00:55:54,400

scientists like Nassim Harman

1301

00:55:59,349 --> 00:55:57,920

that postulated that the proton is a

1302

00:56:02,150 --> 00:55:59,359

miniature black hole it's a

1303

00:56:04,630 --> 00:56:02,160

schwarzschild proton in other words the

1304

00:56:06,710 --> 00:56:04,640

proton obeys the schwarzschild condition

1305

00:56:09,990 --> 00:56:06,720

and its charge radius

1306

00:56:12,390 --> 00:56:10,000

is actually the edge of an event horizon

1307

00:56:14,710 --> 00:56:12,400

for this small miniature black hole

1308

00:56:17,349 --> 00:56:14,720

and when you do this

1309

00:56:19,990 --> 00:56:17,359

suddenly the proton fits into a perfect

1310

00:56:21,750 --> 00:56:20,000

mass energy scale or relationship from

1311

00:56:24,150 --> 00:56:21,760

everything that's small to everything

1312

00:56:26,390 --> 00:56:24,160

that's large when you do this all the

1313

00:56:28,950 --> 00:56:26,400

sudden all these quantum gravity

1314

00:56:30,630 --> 00:56:28,960

equations just work they just work all

1315

00:56:33,030 --> 00:56:30,640

of a sudden you suddenly have an

1316

00:56:34,630 --> 00:56:33,040

explanation for the strong force it's

1317

00:56:37,190 --> 00:56:34,640

just gravity

1318

00:56:39,510 --> 00:56:37,200

you suddenly have all of these other

1319

00:56:41,190 --> 00:56:39,520

theoretical conclusions that open up

1320

00:56:43,349 --> 00:56:41,200

that a lot of my work is based on which

1321

00:56:45,109 --> 00:56:43,359

is the sort of quantum geometric

1322

00:56:48,150 --> 00:56:45,119

mechanics of what's happening at space

1323

00:56:50,150 --> 00:56:48,160

time and what you realize and i know

1324

00:56:51,589 --> 00:56:50,160

i've kind of gone on to some really deep

1325

00:56:53,430 --> 00:56:51,599

stuff here for your audience but i'm

1326  
00:56:54,150 --> 00:56:53,440  
gonna bring it home i promise stick with

1327  
00:56:57,109 --> 00:56:54,160  
me

1328  
00:56:59,030 --> 00:56:57,119  
what we've essentially realized is that

1329  
00:57:01,109 --> 00:56:59,040  
protons

1330  
00:57:02,870 --> 00:57:01,119  
do this already

1331  
00:57:05,030 --> 00:57:02,880  
protons are

1332  
00:57:08,470 --> 00:57:05,040  
miniature spaceships

1333  
00:57:09,829 --> 00:57:08,480  
they have a field that at its event

1334  
00:57:12,870 --> 00:57:09,839  
horizon

1335  
00:57:14,230 --> 00:57:12,880  
is creating a spin that is reaching the

1336  
00:57:17,990 --> 00:57:14,240  
speed of light

1337  
00:57:20,390 --> 00:57:18,000  
in a rotary spin form and because

1338  
00:57:23,430 --> 00:57:20,400

somehow the event horizon the literally

1339

00:57:24,470 --> 00:57:23,440

the radius of the charge of this proton

1340

00:57:27,990 --> 00:57:24,480

structure

1341

00:57:31,190 --> 00:57:28,000

is going at  $c$  at the speed of light

1342

00:57:34,710 --> 00:57:31,200

that is a moment where suddenly

1343

00:57:35,829 --> 00:57:34,720

now that proton has created a shearing

1344

00:57:38,309 --> 00:57:35,839

condition

1345

00:57:39,990 --> 00:57:38,319

that separates it at the equator from

1346

00:57:41,190 --> 00:57:40,000

the rest of the surrounding space-time

1347

00:57:43,109 --> 00:57:41,200

fabric

1348

00:57:44,470 --> 00:57:43,119

and it's able to spin at the speed of

1349

00:57:45,510 --> 00:57:44,480

light and

1350

00:57:47,750 --> 00:57:45,520

you know

1351  
00:57:49,430 --> 00:57:47,760  
something quite magical about that is

1352  
00:57:51,829 --> 00:57:49,440  
that they say that when you go the speed

1353  
00:57:54,150 --> 00:57:51,839  
of light time stops right

1354  
00:57:57,030 --> 00:57:54,160  
that's right you've now time is no

1355  
00:58:00,470 --> 00:57:57,040  
longer exists at that speed

1356  
00:58:03,349 --> 00:58:00,480  
right we have literally never in the

1357  
00:58:04,630 --> 00:58:03,359  
history of mankind and never will i

1358  
00:58:07,349 --> 00:58:04,640  
guarantee it

1359  
00:58:09,750 --> 00:58:07,359  
ever seen a proton

1360  
00:58:13,109 --> 00:58:09,760  
decay

1361  
00:58:15,670 --> 00:58:13,119  
seconds

1362  
00:58:17,430 --> 00:58:15,680  
everything else quarks leptons you name

1363  
00:58:19,670 --> 00:58:17,440

it all these other like fundamental

1364

00:58:22,390 --> 00:58:19,680

particles you pick one anywhere out

1365

00:58:24,950 --> 00:58:22,400

there they all decay like

1366

00:58:26,950 --> 00:58:24,960

you know usually in split seconds

1367

00:58:29,349 --> 00:58:26,960

but the proton

1368

00:58:32,630 --> 00:58:29,359

we we estimate that a single proton

1369

00:58:34,870 --> 00:58:32,640

lasts over four times the lifetime of

1370

00:58:36,630 --> 00:58:34,880

our entire universe and how do we know

1371

00:58:39,510 --> 00:58:36,640

that well we don't

1372

00:58:42,710 --> 00:58:39,520

because we've only lived one universe

1373

00:58:44,549 --> 00:58:42,720

but we postulate that protons never die

1374

00:58:52,230 --> 00:58:44,559

they go on forever

1375

00:58:54,950 --> 00:58:52,240

at the speed of light

1376  
00:58:57,910 --> 00:58:54,960  
and when we treat when we deal with a

1377  
00:58:59,750 --> 00:58:57,920  
hydrogen atom which is floating around

1378  
00:59:01,349 --> 00:58:59,760  
in the space all around me i've got

1379  
00:59:03,270 --> 00:59:01,359  
hydrogen atoms all over the place and

1380  
00:59:05,829 --> 00:59:03,280  
nitrogen you know these little hydrogen

1381  
00:59:08,069 --> 00:59:05,839  
atoms are essentially like a proton

1382  
00:59:10,309 --> 00:59:08,079  
spinning with a little electrical charge

1383  
00:59:12,470 --> 00:59:10,319  
bundle around it it's like literally a

1384  
00:59:14,870 --> 00:59:12,480  
spinning field of charge

1385  
00:59:17,349 --> 00:59:14,880  
and it's floating around in the space

1386  
00:59:19,109 --> 00:59:17,359  
and it's so extremely light that the

1387  
00:59:21,270 --> 00:59:19,119  
earth's gravity doesn't even pull it

1388  
00:59:23,190 --> 00:59:21,280

down you know it takes being close to

1389

00:59:25,829 --> 00:59:23,200

the center of the sun

1390

00:59:28,230 --> 00:59:25,839

for there to be enough gravity to pull

1391

00:59:30,150 --> 00:59:28,240

hydrogen atoms down and not only pull

1392

00:59:32,470 --> 00:59:30,160

them down but fuse them together and

1393

00:59:35,349 --> 00:59:32,480

turn them into helium atoms right

1394

00:59:37,750 --> 00:59:35,359

and so so essentially

1395

00:59:40,470 --> 00:59:37,760

each of these little hydrogen atoms

1396

00:59:42,549 --> 00:59:40,480

we also recognize that the mass energy

1397

00:59:45,430 --> 00:59:42,559

inside that hydrogen atom if it's

1398

00:59:47,190 --> 00:59:45,440

actually a black hole which nuclear

1399

00:59:50,390 --> 00:59:47,200

physics tells us

1400

00:59:52,789 --> 00:59:50,400

that these little atoms have huge

1401

00:59:55,589 --> 00:59:52,799

amounts of energy in them i mean

1402

00:59:56,870 --> 00:59:55,599

nuclear fusion like separating two

1403

01:00:00,309 --> 00:59:56,880

protons

1404

01:00:02,789 --> 01:00:00,319

good god it's an atomic bomb using

1405

01:00:04,950 --> 01:00:02,799

fusing two hydrogen atoms you get the

1406

01:00:08,309 --> 01:00:04,960

sun

1407

01:00:11,270 --> 01:00:08,319

right and so this huge energy should be

1408

01:00:13,430 --> 01:00:11,280

extremely heavy jimmy but it's not

1409

01:00:15,190 --> 01:00:13,440

let's take our light we got to take a

1410

01:00:18,950 --> 01:00:15,200

break right here our guest tonight adam

1411

01:00:21,750 --> 01:00:18,960

apollo we are discussing the physics of

1412

01:00:24,150 --> 01:00:21,760

an extraterrestrial civilization all of

1413

01:00:25,990 --> 01:00:24,160

that and much more this is fade to black

1414

01:00:28,230 --> 01:00:26,000

i am your host jimmy church stay with us

1415

01:00:34,320 --> 01:00:28,240

we'll be right back after this quick

1416

01:00:34,330 --> 01:00:55,109

[Music]

1417

01:01:00,990 --> 01:00:57,349

this is fade to black with jimmy church

1418

01:01:02,309 --> 01:01:01,000

on the game changer radio network

1419

01:01:04,789 --> 01:01:02,319

[Music]

1420

01:01:08,230 --> 01:01:04,799

your 1 million gigawatt paranormal

1421

01:01:10,390 --> 01:01:08,240

powerhouse kumx db

1422

01:01:12,549 --> 01:01:10,400

vx

1423

01:01:14,710 --> 01:01:12,559

this is billy carson founder and ceo of

1424

01:01:16,549 --> 01:01:14,720

forbidden knowledge dot tv forbidden

1425

01:01:18,230 --> 01:01:16,559

knowledge dot tv is the fastest growing

1426

01:01:20,150 --> 01:01:18,240

and one of the most watched networks in

1427

01:01:21,750 --> 01:01:20,160

the world i would like to personally

1428

01:01:24,549 --> 01:01:21,760

invite you to check out our expanding

1429

01:01:26,630 --> 01:01:24,559

library of tv film lectures and special

1430

01:01:28,710 --> 01:01:26,640

presentations forbidden knowledge dot tv

1431

01:01:31,990 --> 01:01:28,720

has over 6 000 videos covering lost

1432

01:01:33,910 --> 01:01:32,000

history health ufos spirituality and our

1433

01:01:36,309 --> 01:01:33,920

future we are committed to our community

1434

01:01:38,390 --> 01:01:36,319

and with my personal invitation you can

1435

01:01:40,710 --> 01:01:38,400

right now get your free 30-day

1436

01:01:42,710 --> 01:01:40,720

membership at forbidden knowledge dot tv

1437

01:01:48,470 --> 01:01:42,720

your own library of information starts

1438

01:01:52,710 --> 01:01:50,549

because you never got that pony you

1439

01:01:54,390 --> 01:01:52,720

always wanted

1440

01:01:56,710 --> 01:01:54,400

damn it

1441

01:01:59,670 --> 01:01:56,720

jimmy church and fade to black on the

1442

01:02:02,870 --> 01:01:59,680

game changer network

1443

01:02:05,190 --> 01:02:02,880

listen i know and you know that you've

1444

01:02:07,430 --> 01:02:05,200

always wanted your first crystal skull

1445

01:02:09,589 --> 01:02:07,440

or maybe you're a collector just like me

1446

01:02:11,430 --> 01:02:09,599

but you just don't know where to go to

1447

01:02:14,150 --> 01:02:11,440

find the real thing

1448

01:02:16,950 --> 01:02:14,160

then i met carolyn ford over at einstein

1449

01:02:19,109 --> 01:02:16,960

the crystal skull dot com carolyn is the

1450

01:02:21,349 --> 01:02:19,119

guardian of einstein one of the most

1451  
01:02:23,750 --> 01:02:21,359  
respected ancient crystal skulls in the

1452  
01:02:25,990 --> 01:02:23,760  
world all of her unique skulls have been

1453  
01:02:27,910 --> 01:02:26,000  
imprinted sitting with einstein in his

1454  
01:02:30,870 --> 01:02:27,920  
sacred lodge and are carved from the

1455  
01:02:33,029 --> 01:02:30,880  
finest gemstone and materials imprinting

1456  
01:02:35,670 --> 01:02:33,039  
is the process of receiving the ancient

1457  
01:02:38,789 --> 01:02:35,680  
wisdom from the master skull or master

1458  
01:02:40,710 --> 01:02:38,799  
computer einstein the ancient crystal

1459  
01:02:42,789 --> 01:02:40,720  
skull to see carolyn's current

1460  
01:02:44,990 --> 01:02:42,799  
collection of crystal skulls just visit

1461  
01:02:47,270 --> 01:02:45,000  
her store at einstein the

1462  
01:02:49,670 --> 01:02:47,280  
crystalskull.com click on the banner

1463  
01:02:52,390 --> 01:02:49,680

over on our site don't forget to use the

1464

01:02:55,510 --> 01:02:52,400

promo code jimmy at checkout to receive

1465

01:02:58,390 --> 01:02:55,520

10 off of your order today that's promo

1466

01:03:01,029 --> 01:02:58,400

code jimmy finding your first or next

1467

01:03:04,150 --> 01:03:01,039

crystal skull is easy just visit

1468

01:03:08,549 --> 01:03:07,029

hi racehobbes with the x obviously if

1469

01:03:10,870 --> 01:03:08,559

you're listening to this you have an

1470

01:03:14,230 --> 01:03:10,880

interest in unexplained phenomena like

1471

01:03:16,549 --> 01:03:14,240

ghosts bigfoot and ufos and by now you

1472

01:03:19,670 --> 01:03:16,559

know that we have our own ex-blog the

1473

01:03:21,510 --> 01:03:19,680

next newsletter and the unex magazine

1474

01:03:23,430 --> 01:03:21,520

quarterly but most of you don't know

1475

01:03:25,589 --> 01:03:23,440

that we have started our very own

1476

01:03:27,910 --> 01:03:25,599

paranormal conference and this year for

1477

01:03:29,829 --> 01:03:27,920

safety this two-day ex-con will be

1478

01:03:32,069 --> 01:03:29,839

virtual so you can attend from the

1479

01:03:34,390 --> 01:03:32,079

comfort of your home ex-con presenters

1480

01:03:36,950 --> 01:03:34,400

include whitley strieber micah hanks

1481

01:03:39,270 --> 01:03:36,960

margie k and preston dennett lisa martin

1482

01:03:42,549 --> 01:03:39,280

and wayne lawrence lee spiegel debbie

1483

01:03:45,589 --> 01:03:42,559

zaglemyer dan terry kate bravoski and

1484

01:03:47,270 --> 01:03:45,599

ray hernandez there will also be a live

1485

01:03:49,910 --> 01:03:47,280

paranormal investigation by the

1486

01:03:52,230 --> 01:03:49,920

riverside iowa paranormal team so come

1487

01:03:55,270 --> 01:03:52,240

hang out with us in the safety of home

1488

01:03:58,710 --> 01:03:55,280

as we set out to explain the unexplained

1489

01:04:02,510 --> 01:03:58,720

friday may 13th and saturday the 14th

1490

01:04:06,150 --> 01:04:02,520

2022 and tickets are on sale now go to

1491

01:04:06,160 --> 01:04:11,029

[Music]

1492

01:04:16,309 --> 01:04:13,109

to my onexnetwork.com jimmy church on

1493

01:04:20,069 --> 01:04:18,150

hi this is ray sobbs here repping the

1494

01:04:24,630 --> 01:04:20,079

planet and you're listening to my good

1495

01:04:26,870 --> 01:04:24,640

friend jimmy church fade to black

1496

01:04:28,870 --> 01:04:26,880

this is toby kebble you're listening to

1497

01:04:31,910 --> 01:04:28,880

jimmychurchradio.com

1498

01:04:34,230 --> 01:04:31,920

don't hurt me jimmy i'm only little hey

1499

01:04:39,430 --> 01:04:34,240

i'm adrian grenier and this is ari gold

1500

01:04:43,430 --> 01:04:41,750

hey i'm adrian grenier and i'm ari gold

1501

01:04:45,670 --> 01:04:43,440

we're the honey brothers

1502

01:04:47,270 --> 01:04:45,680

and you're listening to jimmy church a

1503

01:04:48,950 --> 01:04:47,280

revolution

1504

01:04:50,870 --> 01:04:48,960

this is jimmy church of fade to black

1505

01:04:53,190 --> 01:04:50,880

and you can become an official fate or

1506

01:04:57,510 --> 01:04:53,200

not by just going to our membership

1507

01:05:01,829 --> 01:04:59,510

hello this is serena wright taylor from

1508

01:05:04,150 --> 01:05:01,839

conscious life expo and you're listening

1509

01:05:06,549 --> 01:05:04,160

to fade to black with jimmy church who

1510

01:05:11,990 --> 01:05:06,559

holds the lucky pony record for the best

1511

01:05:13,670 --> 01:05:12,000

astrological chart since 1963 true story

1512

01:05:15,349 --> 01:05:13,680

this is micah hanks of the ghrelian

1513

01:05:17,270 --> 01:05:15,359

report and you're listening to jimmy

1514

01:05:36,309 --> 01:05:17,280

church on fade to black

1515

01:05:40,309 --> 01:05:38,710

all right welcome back fade to black i

1516

01:05:43,270 --> 01:05:40,319

am your host jimmy church tonight adam

1517

01:05:43,990 --> 01:05:43,280

apollo is with us we're talking about

1518

01:05:45,510 --> 01:05:44,000

the

1519

01:05:48,870 --> 01:05:45,520

physics

1520

01:05:50,870 --> 01:05:48,880

of an extraterrestrial civilization and

1521

01:05:53,670 --> 01:05:50,880

a great conversation

1522

01:05:56,309 --> 01:05:53,680

uh so far with adam and adam

1523

01:05:58,309 --> 01:05:56,319

um i wanted to

1524

01:06:01,510 --> 01:05:58,319

go back to the point that you made

1525

01:06:03,750 --> 01:06:01,520

earlier started to about this uh this

1526

01:06:06,470 --> 01:06:03,760

bubble this gravitational

1527

01:06:07,990 --> 01:06:06,480

thing that would happen on uh

1528

01:06:10,069 --> 01:06:08,000

around

1529

01:06:13,589 --> 01:06:10,079

an alien e.t

1530

01:06:18,150 --> 01:06:13,599

advanced spacecraft what would happen

1531

01:06:20,950 --> 01:06:18,160

to time in said bubble

1532

01:06:22,950 --> 01:06:20,960

oh you need to unmute hold on

1533

01:06:24,950 --> 01:06:22,960

adam you've got to unmute yourself i got

1534

01:06:27,190 --> 01:06:24,960

it thanks jimmy

1535

01:06:29,109 --> 01:06:27,200

i was just uh holding it quiet for the

1536

01:06:30,309 --> 01:06:29,119

commercial break there so

1537

01:06:33,670 --> 01:06:30,319

um

1538

01:06:35,990 --> 01:06:33,680

yeah essentially jimmy uh what occurs is

1539

01:06:39,270 --> 01:06:36,000

that when you are

1540

01:06:41,990 --> 01:06:39,280

relative to any other surrounding space

1541

01:06:45,670 --> 01:06:42,000

time goes normally as long as you're

1542

01:06:48,549 --> 01:06:45,680

experiencing space time around you

1543

01:06:51,190 --> 01:06:48,559

time is going to proceed normally within

1544

01:06:53,430 --> 01:06:51,200

the context of your own space now

1545

01:06:55,990 --> 01:06:53,440

something that's very interesting and

1546

01:06:59,029 --> 01:06:56,000

special about the idea of creating this

1547

01:07:01,069 --> 01:06:59,039

kind of quantum envelope around a craft

1548

01:07:04,309 --> 01:07:01,079

is that because you're not

1549

01:07:06,950 --> 01:07:04,319

accelerating and warping space time

1550

01:07:10,950 --> 01:07:06,960

around the craft when you move or when

1551  
01:07:14,870 --> 01:07:10,960  
you jump you don't have time dilation

1552  
01:07:17,029 --> 01:07:14,880  
time dilation which is the concept that

1553  
01:07:19,270 --> 01:07:17,039  
we hear a lot about and hawking talked

1554  
01:07:20,950 --> 01:07:19,280  
about and you know neil degrasse tyson

1555  
01:07:24,309 --> 01:07:20,960  
talks about in his shows where it's like

1556  
01:07:26,549 --> 01:07:24,319  
yeah if you speed up and you accelerate

1557  
01:07:28,710 --> 01:07:26,559  
almost to the speed of light going to

1558  
01:07:30,549 --> 01:07:28,720  
another star even if you could

1559  
01:07:33,270 --> 01:07:30,559  
accelerate to pretty much almost the

1560  
01:07:34,950 --> 01:07:33,280  
speed of light and that star is say 10

1561  
01:07:35,750 --> 01:07:34,960  
light years away

1562  
01:07:38,630 --> 01:07:35,760  
then

1563  
01:07:40,789 --> 01:07:38,640

to get there and get back even if you

1564

01:07:43,349 --> 01:07:40,799

are going almost the speed of light you

1565

01:07:44,309 --> 01:07:43,359

might experience the trip taking 20

1566

01:07:46,150 --> 01:07:44,319

minutes

1567

01:07:48,150 --> 01:07:46,160

but back at home

1568

01:07:50,069 --> 01:07:48,160

20 years have passed

1569

01:07:52,789 --> 01:07:50,079

and that is because you are literally

1570

01:07:54,710 --> 01:07:52,799

dilating the structure of space-time by

1571

01:07:57,910 --> 01:07:54,720

warping the fabric around you through

1572

01:08:00,710 --> 01:07:57,920

acceleration so your relative time

1573

01:08:03,270 --> 01:08:00,720

experience becomes dilated

1574

01:08:06,309 --> 01:08:03,280

now if you don't warp space time like

1575

01:08:09,190 --> 01:08:06,319

that and you create this self-contained

1576

01:08:11,589 --> 01:08:09,200

time capsule so to speak around your

1577

01:08:14,230 --> 01:08:11,599

craft you and everybody else on the ship

1578

01:08:16,550 --> 01:08:14,240

experience time normally and all of the

1579

01:08:19,829 --> 01:08:16,560

surrounding space time experiences time

1580

01:08:21,829 --> 01:08:19,839

normally you jump to another star system

1581

01:08:23,030 --> 01:08:21,839

and you literally arrive at the same

1582

01:08:25,590 --> 01:08:23,040

time you left

1583

01:08:27,990 --> 01:08:25,600

so there's no time dilation problems in

1584

01:08:29,510 --> 01:08:28,000

this particular format are are you

1585

01:08:30,630 --> 01:08:29,520

describing

1586

01:08:37,669 --> 01:08:30,640

uh

1587

01:08:40,149 --> 01:08:37,679

is this a version of that no

1588

01:08:42,390 --> 01:08:40,159

no the alcubierre drive is is a

1589

01:08:44,950 --> 01:08:42,400

particularly interesting

1590

01:08:47,990 --> 01:08:44,960

approach to this problem and the

1591

01:08:51,590 --> 01:08:48,000

alcubierre drive essentially is saying

1592

01:08:54,070 --> 01:08:51,600

that if we had the right kind of matter

1593

01:08:55,269 --> 01:08:54,080

or the right kind of space-time warping

1594

01:08:57,990 --> 01:08:55,279

engines

1595

01:08:59,829 --> 01:08:58,000

you could essentially take space between

1596

01:09:00,789 --> 01:08:59,839

you and a distant point you're trying to

1597

01:09:03,269 --> 01:09:00,799

get to

1598

01:09:04,789 --> 01:09:03,279

and contract that space

1599

01:09:07,590 --> 01:09:04,799

so that you're closer to where you're

1600

01:09:09,349 --> 01:09:07,600

trying to get to and behind you

1601  
01:09:13,110 --> 01:09:09,359  
in the direction you're not going you're

1602  
01:09:15,590 --> 01:09:13,120  
expanding that space out

1603  
01:09:17,669 --> 01:09:15,600  
it's a cut and splice more or less right

1604  
01:09:20,149 --> 01:09:17,679  
so you're cutting this the space in

1605  
01:09:22,229 --> 01:09:20,159  
front of you and putting it behind you

1606  
01:09:24,870 --> 01:09:22,239  
in real time well it's not it's not

1607  
01:09:27,829 --> 01:09:24,880  
actually cutting any space time it's

1608  
01:09:30,630 --> 01:09:27,839  
just the idea is just contracting

1609  
01:09:33,349 --> 01:09:30,640  
space between you and a destination and

1610  
01:09:35,990 --> 01:09:33,359  
expanding the space between you and the

1611  
01:09:37,590 --> 01:09:36,000  
place that you originated and this

1612  
01:09:39,669 --> 01:09:37,600  
bypasses

1613  
01:09:42,470 --> 01:09:39,679

this is one of the kind of theoretical

1614

01:09:44,470 --> 01:09:42,480

methods of bypassing the problem of

1615

01:09:47,110 --> 01:09:44,480

acceleration to the speed of light

1616

01:09:49,269 --> 01:09:47,120

because the idea is if you just contract

1617

01:09:51,910 --> 01:09:49,279

the distance then you haven't really

1618

01:09:54,630 --> 01:09:51,920

violated this physics problem

1619

01:09:56,709 --> 01:09:54,640

you're you're get closer to the to the

1620

01:09:58,070 --> 01:09:56,719

place you're trying to get to and so

1621

01:09:59,910 --> 01:09:58,080

potentially

1622

01:10:03,030 --> 01:09:59,920

even if you're not going the speed of

1623

01:10:05,350 --> 01:10:03,040

light you could be experienced as moving

1624

01:10:07,110 --> 01:10:05,360

through space at closer to the speed of

1625

01:10:09,110 --> 01:10:07,120

light or at beyond the speed of light

1626

01:10:13,350 --> 01:10:09,120

potentially um

1627

01:10:14,229 --> 01:10:13,360

didn't um alcubierre uh back pedal

1628

01:10:16,870 --> 01:10:14,239

um

1629

01:10:20,390 --> 01:10:16,880

he backpedaled because not that the

1630

01:10:22,950 --> 01:10:20,400

design itself or the idea behind it

1631

01:10:25,510 --> 01:10:22,960

uh wasn't sound it was the amount of

1632

01:10:28,149 --> 01:10:25,520

energy that it would take for this

1633

01:10:30,709 --> 01:10:28,159

process to take place which would be

1634

01:10:33,669 --> 01:10:30,719

all of the energy in the known universe

1635

01:10:35,350 --> 01:10:33,679

not quite not quite that level but but

1636

01:10:36,630 --> 01:10:35,360

essentially yes essentially we're

1637

01:10:39,189 --> 01:10:36,640

talking about

1638

01:10:41,510 --> 01:10:39,199

needing to have some kind of

1639

01:10:42,870 --> 01:10:41,520

specialized material

1640

01:10:45,270 --> 01:10:42,880

that essentially

1641

01:10:47,590 --> 01:10:45,280

stretches and contracts space-time at

1642

01:10:49,590 --> 01:10:47,600

vast scales right

1643

01:10:52,790 --> 01:10:49,600

and and the idea here

1644

01:10:55,189 --> 01:10:52,800

by the way is again way way less

1645

01:10:57,270 --> 01:10:55,199

efficient than what i'm proposing

1646

01:11:00,470 --> 01:10:57,280

because you're trying to literally take

1647

01:11:03,910 --> 01:11:00,480

a massive array of space-time going into

1648

01:11:06,630 --> 01:11:03,920

the distance and cause a change in that

1649

01:11:08,229 --> 01:11:06,640

entire quantum fabric relative to the

1650

01:11:10,229 --> 01:11:08,239

ship i mean we don't even know what

1651  
01:11:11,270 --> 01:11:10,239  
other kinds of problems that could cause

1652  
01:11:13,350 --> 01:11:11,280  
by the way

1653  
01:11:15,750 --> 01:11:13,360  
you know it's it's that's like that's

1654  
01:11:18,950 --> 01:11:15,760  
like reaching out your arm a hundred

1655  
01:11:21,910 --> 01:11:18,960  
miles and you know and trying to like

1656  
01:11:24,310 --> 01:11:21,920  
move a a big brick that's like a hundred

1657  
01:11:26,790 --> 01:11:24,320  
miles away with your arm outstretched

1658  
01:11:28,790 --> 01:11:26,800  
like the the efficiency is just not

1659  
01:11:31,270 --> 01:11:28,800  
there in that approach

1660  
01:11:32,550 --> 01:11:31,280  
now when you describe

1661  
01:11:35,590 --> 01:11:32,560  
jumping

1662  
01:11:38,310 --> 01:11:35,600  
and it's not a warp drive process even

1663  
01:11:39,910 --> 01:11:38,320

though al qubier did uh describe a

1664

01:11:41,910 --> 01:11:39,920

bubble that would have to be around the

1665

01:11:43,510 --> 01:11:41,920

craft you would be inside of this

1666

01:11:45,430 --> 01:11:43,520

protecting yourself as this whole

1667

01:11:46,550 --> 01:11:45,440

product but you're saying

1668

01:11:48,550 --> 01:11:46,560

uh

1669

01:11:50,470 --> 01:11:48,560

you have the bubble but we're not

1670

01:11:52,470 --> 01:11:50,480

talking about the warp drive process

1671

01:11:54,470 --> 01:11:52,480

when you say jump

1672

01:11:57,110 --> 01:11:54,480

how does this occur are you folding

1673

01:11:59,750 --> 01:11:57,120

space how are you jumping from point to

1674

01:12:00,950 --> 01:11:59,760

point yeah this is a big one and this is

1675

01:12:03,110 --> 01:12:00,960

one that's

1676

01:12:04,310 --> 01:12:03,120

core to a lot of my theoretical work in

1677

01:12:05,910 --> 01:12:04,320

this space

1678

01:12:08,630 --> 01:12:05,920

and essentially

1679

01:12:12,390 --> 01:12:08,640

i studied uh a whole sequence of

1680

01:12:15,030 --> 01:12:12,400

different approaches and theoretical um

1681

01:12:17,510 --> 01:12:15,040

observations as far as

1682

01:12:19,990 --> 01:12:17,520

einsteinian physics and unified physics

1683

01:12:23,110 --> 01:12:20,000

and quantum gravity and looking at you

1684

01:12:25,430 --> 01:12:23,120

know what does it take to to contain

1685

01:12:27,830 --> 01:12:25,440

space-time and what does a sustainable

1686

01:12:29,990 --> 01:12:27,840

space-time container actually look like

1687

01:12:32,390 --> 01:12:30,000

and essentially there are two

1688

01:12:34,149 --> 01:12:32,400

uh there are two theoretical models that

1689

01:12:36,790 --> 01:12:34,159

are kind of the more well-known ones

1690

01:12:39,350 --> 01:12:36,800

that talk about this kind of approach

1691

01:12:41,990 --> 01:12:39,360

and one of them is called creating a ctc

1692

01:12:43,750 --> 01:12:42,000

a closed time-like curve and that's the

1693

01:12:46,550 --> 01:12:43,760

idea where you're literally

1694

01:12:48,550 --> 01:12:46,560

warping space-time into this sort of

1695

01:12:50,390 --> 01:12:48,560

bubble-like format

1696

01:12:53,350 --> 01:12:50,400

and essentially expecting

1697

01:12:56,550 --> 01:12:53,360

that that that can be sustained and now

1698

01:12:59,510 --> 01:12:56,560

you've kind of uh pulled space-time into

1699

01:13:00,709 --> 01:12:59,520

this structure that's necessary for you

1700

01:13:02,470 --> 01:13:00,719

to

1701

01:13:05,110 --> 01:13:02,480

achieve some operation and this is kind

1702

01:13:07,030 --> 01:13:05,120

of built off of the akubi air drive and

1703

01:13:09,189 --> 01:13:07,040

the warp drive idea you can contract

1704

01:13:11,669 --> 01:13:09,199

space you can expand space you can pull

1705

01:13:14,630 --> 01:13:11,679

space around a craft making a bubble

1706

01:13:16,630 --> 01:13:14,640

happen right it's all pretty like still

1707

01:13:19,590 --> 01:13:16,640

hard physics as you would say like kind

1708

01:13:22,229 --> 01:13:19,600

of like exploding a rocket behind you

1709

01:13:24,470 --> 01:13:22,239

but then there's another perspective and

1710

01:13:25,590 --> 01:13:24,480

this is called a circulating light beam

1711

01:13:26,390 --> 01:13:25,600

approach

1712

01:13:28,390 --> 01:13:26,400

and

1713

01:13:31,990 --> 01:13:28,400

the circulating light beam approach

1714

01:13:34,950 --> 01:13:32,000

initially was based on the idea that

1715

01:13:37,350 --> 01:13:34,960

certain kinds of lasers when pulsed at

1716

01:13:40,630 --> 01:13:37,360

the right frequencies and in the right

1717

01:13:42,390 --> 01:13:40,640

formats seem to have an effect on the

1718

01:13:44,950 --> 01:13:42,400

space-time structure

1719

01:13:47,830 --> 01:13:44,960

between them right and

1720

01:13:50,149 --> 01:13:47,840

and this was like early experimental uh

1721

01:13:52,630 --> 01:13:50,159

evidence that suggested

1722

01:13:55,189 --> 01:13:52,640

that light and space-time can have a

1723

01:13:57,910 --> 01:13:55,199

resonance with each other right and and

1724

01:14:00,070 --> 01:13:57,920

in fact if you really get into unified

1725

01:14:01,990 --> 01:14:00,080

physics and quantum mechanics what you

1726

01:14:04,229 --> 01:14:02,000

realize is that everything is made of

1727

01:14:06,390 --> 01:14:04,239

light anyway space-time is made of light

1728

01:14:08,630 --> 01:14:06,400

you know plonk spherical unit is a

1729

01:14:10,950 --> 01:14:08,640

schwarzschild bundle of light

1730

01:14:12,149 --> 01:14:10,960

interconnected in a lattice and protons

1731

01:14:13,430 --> 01:14:12,159

and neutrons and everything else are

1732

01:14:16,149 --> 01:14:13,440

literally just

1733

01:14:18,229 --> 01:14:16,159

space-time light bent into different

1734

01:14:21,110 --> 01:14:18,239

formats and so

1735

01:14:23,910 --> 01:14:21,120

the idea here is that light and gravity

1736

01:14:26,870 --> 01:14:23,920

have a resonance now a couple of guys

1737

01:14:27,750 --> 01:14:26,880

roger shoyer and a few other gentlemen

1738

01:14:31,430 --> 01:14:27,760

um

1739

01:14:33,590 --> 01:14:31,440

created this particular kind of drive uh

1740

01:14:36,870 --> 01:14:33,600

that's called the m drive also known as

1741

01:14:38,950 --> 01:14:36,880

the canay drive and this drive

1742

01:14:42,390 --> 01:14:38,960

essentially is just a

1743

01:14:44,630 --> 01:14:42,400

you know a koenig like craft

1744

01:14:48,149 --> 01:14:44,640

a tube and inside

1745

01:14:50,790 --> 01:14:48,159

is fired microwave frequency light

1746

01:14:53,430 --> 01:14:50,800

and the microwave frequency light

1747

01:14:54,790 --> 01:14:53,440

causes this object to propel itself

1748

01:14:56,709 --> 01:14:54,800

through space

1749

01:15:00,149 --> 01:14:56,719

without any thrust

1750

01:15:02,709 --> 01:15:00,159

nothing's pushing out the back jimmy and

1751

01:15:04,550 --> 01:15:02,719

the physicists who saw this and this is

1752

01:15:07,350 --> 01:15:04,560

well proven science

1753

01:15:08,229 --> 01:15:07,360

some of the best descriptions of this

1754

01:15:11,189 --> 01:15:08,239

say

1755

01:15:13,350 --> 01:15:11,199

that it is very likely it appears very

1756

01:15:15,990 --> 01:15:13,360

likely that we figured out some

1757

01:15:18,390 --> 01:15:16,000

mechanism where light has a resonance

1758

01:15:21,590 --> 01:15:18,400

with the quantum fabric of space-time

1759

01:15:22,550 --> 01:15:21,600

and this is causing the light to push

1760

01:15:24,470 --> 01:15:22,560

against

1761

01:15:27,270 --> 01:15:24,480

this quantum field

1762

01:15:29,110 --> 01:15:27,280

that exists in space right

1763

01:15:30,229 --> 01:15:29,120

to cause this thing to move

1764

01:15:32,550 --> 01:15:30,239

now

1765

01:15:34,630 --> 01:15:32,560

we can take those ideas and we can say

1766

01:15:37,510 --> 01:15:34,640

okay well what if

1767

01:15:39,430 --> 01:15:37,520

you could create a type of ring system

1768

01:15:41,110 --> 01:15:39,440

this is my approach is that if you take

1769

01:15:43,430 --> 01:15:41,120

a ring system

1770

01:15:47,030 --> 01:15:43,440

and essentially you create a standing

1771

01:15:50,470 --> 01:15:47,040

wave vibrational field that is in

1772

01:15:52,310 --> 01:15:50,480

direct harmonic intersection with the

1773

01:15:54,950 --> 01:15:52,320

structural geometry of the way that

1774

01:15:57,350 --> 01:15:54,960

space-time fabric is set up you could

1775

01:15:59,669 --> 01:15:57,360

essentially create a field where

1776

01:16:02,070 --> 01:15:59,679

space-time is sheared where there's

1777

01:16:04,550 --> 01:16:02,080

literally a division between the

1778

01:16:05,910 --> 01:16:04,560

internal and the external space-time

1779

01:16:07,270 --> 01:16:05,920

around this craft which is what i was

1780

01:16:07,990 --> 01:16:07,280

talking about earlier make a bubble

1781

01:16:10,390 --> 01:16:08,000

right

1782

01:16:12,390 --> 01:16:10,400

okay with this complex ring system

1783

01:16:13,990 --> 01:16:12,400

and you do it with them spinning and you

1784

01:16:16,950 --> 01:16:14,000

know these particular lasers that

1785

01:16:18,310 --> 01:16:16,960

interface with the geometry of space

1786

01:16:20,470 --> 01:16:18,320

you know they're going off at the

1787

01:16:22,870 --> 01:16:20,480

resonant frequency of space so you're

1788

01:16:25,189 --> 01:16:22,880

creating an artificial standing field

1789

01:16:26,149 --> 01:16:25,199

the way that a proton creates a standing

1790

01:16:28,229 --> 01:16:26,159

field

1791

01:16:29,990 --> 01:16:28,239

and then the question is how the heck

1792

01:16:31,430 --> 01:16:30,000

does that thing move

1793

01:16:33,590 --> 01:16:31,440

and where does it you know where does it

1794

01:16:35,669 --> 01:16:33,600

go how do you pilot this thing you know

1795

01:16:37,590 --> 01:16:35,679

you've now separated outside space-time

1796

01:16:40,390 --> 01:16:37,600

from inside space-time which is what it

1797

01:16:42,470 --> 01:16:40,400

looks like all of these ships are doing

1798

01:16:45,110 --> 01:16:42,480

and what my galactic friends absolutely

1799

01:16:46,310 --> 01:16:45,120

say they're doing where they can turn 90

1800

01:16:47,750 --> 01:16:46,320

degrees

1801

01:16:51,189 --> 01:16:47,760

no g-force

1802

01:16:52,630 --> 01:16:51,199

they can literally fly into a mountain

1803

01:16:55,030 --> 01:16:52,640

no impact

1804

01:16:58,229 --> 01:16:55,040

because they're literally operating in a

1805

01:16:59,830 --> 01:16:58,239

craft that essentially has removed its

1806

01:17:00,870 --> 01:16:59,840

interconnection with the surrounding

1807

01:17:02,870 --> 01:17:00,880

space

1808

01:17:04,149 --> 01:17:02,880

almost like it's in a different

1809

01:17:05,830 --> 01:17:04,159

dimension

1810

01:17:08,390 --> 01:17:05,840

right and we have all these people who

1811

01:17:10,310 --> 01:17:08,400

talk about these beings must be next

1812

01:17:12,470 --> 01:17:10,320

other dimensional fifth dimensional or

1813

01:17:14,390 --> 01:17:12,480

higher dimensional because it seems like

1814

01:17:17,350 --> 01:17:14,400

they can do things that aren't possible

1815

01:17:20,070 --> 01:17:17,360

in our physics well it turns out it is

1816

01:17:21,830 --> 01:17:20,080

possible in our physics if we leverage

1817

01:17:23,910 --> 01:17:21,840

this kind of approach

1818

01:17:25,750 --> 01:17:23,920

so anyway how does this thing jump to

1819

01:17:27,030 --> 01:17:25,760

another place in the galaxy

1820

01:17:29,189 --> 01:17:27,040

well

1821

01:17:33,910 --> 01:17:29,199

do you know much about stars jimmy

1822

01:17:37,030 --> 01:17:33,920

i i i can fake it really well

1823

01:17:38,070 --> 01:17:37,040

i'm sure you can i can i can

1824

01:17:40,470 --> 01:17:38,080

well

1825

01:17:41,910 --> 01:17:40,480

my knowledge is smoke and mirrors

1826

01:17:43,990 --> 01:17:41,920

but to

1827

01:17:46,709 --> 01:17:44,000

play guitars yeah yeah to the

1828

01:17:49,430 --> 01:17:46,719

uninitiated i seem pretty smart but yeah

1829

01:17:51,669 --> 01:17:49,440

i have a fundamental understanding of of

1830

01:17:53,350 --> 01:17:51,679

stars yeah yeah i figure you did i i've

1831

01:17:55,270 --> 01:17:53,360

heard you talk to some some smart

1832

01:17:57,430 --> 01:17:55,280

physicists and ask some really damn good

1833

01:18:00,470 --> 01:17:57,440

questions so um

1834

01:18:01,910 --> 01:18:00,480

so stars as you probably know jimmy

1835

01:18:05,910 --> 01:18:01,920

every star

1836

01:18:07,990 --> 01:18:05,920

has a different particular frequency set

1837

01:18:11,430 --> 01:18:08,000

so every star is made of a different

1838

01:18:13,669 --> 01:18:11,440

composite of materials and all those

1839

01:18:16,070 --> 01:18:13,679

materials are burning and just like when

1840

01:18:18,630 --> 01:18:16,080

you're in chemistry class in high school

1841

01:18:21,830 --> 01:18:18,640

or wherever you know college maybe and

1842

01:18:23,910 --> 01:18:21,840

you're you know setting elements on fire

1843

01:18:25,270 --> 01:18:23,920

using the little gas torch and boy i had

1844

01:18:27,350 --> 01:18:25,280

some fun with that in high school let me

1845

01:18:28,950 --> 01:18:27,360

tell you when the professor would leave

1846

01:18:31,590 --> 01:18:28,960

the room um

1847

01:18:33,350 --> 01:18:31,600

but when you burn different elements

1848

01:18:36,229 --> 01:18:33,360

they burn at different colors

1849

01:18:38,550 --> 01:18:36,239

and so when we look at stars and take

1850

01:18:40,709 --> 01:18:38,560

pictures of stars we can essentially

1851  
01:18:42,709 --> 01:18:40,719  
know what they're made of

1852  
01:18:44,630 --> 01:18:42,719  
and every star

1853  
01:18:46,310 --> 01:18:44,640  
has its own

1854  
01:18:47,750 --> 01:18:46,320  
exactly

1855  
01:18:51,189 --> 01:18:47,760  
individual

1856  
01:18:53,270 --> 01:18:51,199  
dna so to speak of frequencies

1857  
01:18:54,870 --> 01:18:53,280  
every star has a different spectral

1858  
01:18:56,870 --> 01:18:54,880  
frequency set

1859  
01:18:59,590 --> 01:18:56,880  
and so stars

1860  
01:19:01,990 --> 01:18:59,600  
wherever they are they all have

1861  
01:19:05,510 --> 01:19:02,000  
their own particular vibrational

1862  
01:19:09,750 --> 01:19:05,520  
interaction of light with space time

1863  
01:19:14,470 --> 01:19:11,590

those of you that are listening in you

1864

01:19:17,030 --> 01:19:14,480

may you know want to you know chime in

1865

01:19:20,550 --> 01:19:17,040

on this fact and be like ah but

1866

01:19:22,390 --> 01:19:20,560

however adam apollo you know there are

1867

01:19:24,070 --> 01:19:22,400

these stars that you're talking about if

1868

01:19:26,470 --> 01:19:24,080

we're talking about the pleiades you

1869

01:19:28,310 --> 01:19:26,480

know that's 400 light years away if we

1870

01:19:30,790 --> 01:19:28,320

point to some of the stars that you can

1871

01:19:31,990 --> 01:19:30,800

see in the night sky around the galaxy

1872

01:19:34,550 --> 01:19:32,000

we're talking

1873

01:19:36,790 --> 01:19:34,560

thousands of light years away to ten

1874

01:19:39,350 --> 01:19:36,800

thousands of light years away and isn't

1875

01:19:41,750 --> 01:19:39,360

it true adam apollo that the light

1876

01:19:44,709 --> 01:19:41,760

frequencies of those stars will change

1877

01:19:46,950 --> 01:19:44,719

over time because they burn through

1878

01:19:49,350 --> 01:19:46,960

their gases right the more hydrogen

1879

01:19:51,510 --> 01:19:49,360

becomes helium helium burns out you know

1880

01:19:54,149 --> 01:19:51,520

it goes through its life cycle

1881

01:19:56,310 --> 01:19:54,159

and so if we're seeing a star

1882

01:19:58,070 --> 01:19:56,320

it's in a different position than it is

1883

01:19:59,669 --> 01:19:58,080

right now for sure

1884

01:20:02,870 --> 01:19:59,679

so we have to know where it's going to

1885

01:20:04,310 --> 01:20:02,880

be you know 10 000 years from now

1886

01:20:06,149 --> 01:20:04,320

essentially because it's taking that

1887

01:20:07,990 --> 01:20:06,159

long for the light to travel to us

1888

01:20:09,030 --> 01:20:08,000

because we're looking at it 10 000 years

1889

01:20:10,229 --> 01:20:09,040

ago

1890

01:20:11,990 --> 01:20:10,239

and

1891

01:20:14,709 --> 01:20:12,000

it's going to go through a spectral

1892

01:20:16,470 --> 01:20:14,719

change and so i say yep you're right

1893

01:20:18,390 --> 01:20:16,480

that's a big problem

1894

01:20:21,350 --> 01:20:18,400

but you're not accounting for one

1895

01:20:22,950 --> 01:20:21,360

particular type of star what's that and

1896

01:20:24,950 --> 01:20:22,960

that type of star

1897

01:20:28,070 --> 01:20:24,960

is the pulsar

1898

01:20:31,669 --> 01:20:28,080

pulsars neutron stars

1899

01:20:32,629 --> 01:20:31,679

essentially this type of star

1900

01:20:33,990 --> 01:20:32,639

has

1901

01:20:36,870 --> 01:20:34,000

a very

1902

01:20:39,110 --> 01:20:36,880

perfect sequenced beat pattern

1903

01:20:40,790 --> 01:20:39,120

and that beat pattern is so precise

1904

01:20:43,990 --> 01:20:40,800

because it's spinning and it's creating

1905

01:20:45,669 --> 01:20:44,000

a magnetic wave as it spins it's like a

1906

01:20:49,669 --> 01:20:45,679

lighthouse

1907

01:20:52,310 --> 01:20:49,679

sweeping its energy pattern

1908

01:20:55,510 --> 01:20:52,320

in different directions as it spins

1909

01:20:57,990 --> 01:20:55,520

we can tell in 5000 years

1910

01:21:00,229 --> 01:20:58,000

or a thousand years from now exactly

1911

01:21:02,470 --> 01:21:00,239

what its beat pattern will be because it

1912

01:21:03,990 --> 01:21:02,480

has a perfectly measurable fall off when

1913

01:21:05,590 --> 01:21:04,000

we measured these over years and years

1914

01:21:08,310 --> 01:21:05,600

and years right

1915

01:21:10,950 --> 01:21:08,320

and their frequencies don't change the

1916

01:21:12,550 --> 01:21:10,960

spectral frequencies don't change and so

1917

01:21:14,390 --> 01:21:12,560

then all we're left to do is to know

1918

01:21:16,709 --> 01:21:14,400

where they end up and there's already

1919

01:21:19,510 --> 01:21:16,719

been incredible stellar mapping

1920

01:21:21,910 --> 01:21:19,520

technologies that can show us exactly

1921

01:21:24,870 --> 01:21:21,920

how the stars looked in the big dipper

1922

01:21:26,390 --> 01:21:24,880

10 000 years ago and where they've moved

1923

01:21:28,950 --> 01:21:26,400

and where they're moving to in the

1924

01:21:30,870 --> 01:21:28,960

future and so we can now chart the

1925

01:21:33,750 --> 01:21:30,880

movement and momentum of other stars in

1926

01:21:37,350 --> 01:21:33,760

the galaxy and these pulsars they act

1927

01:21:40,629 --> 01:21:37,360

like light houses and we can triangulate

1928

01:21:43,030 --> 01:21:40,639

three lighthouses and pinpoint the

1929

01:21:46,550 --> 01:21:43,040

position of any point in space-time

1930

01:21:48,149 --> 01:21:46,560

anywhere in this galaxy that is correct

1931

01:21:50,070 --> 01:21:48,159

that is correct

1932

01:21:51,590 --> 01:21:50,080

okay so

1933

01:21:53,669 --> 01:21:51,600

is that

1934

01:21:56,790 --> 01:21:53,679

the way i mean e.t would have to

1935

01:21:58,470 --> 01:21:56,800

understand this exact same process right

1936

01:22:00,950 --> 01:21:58,480

they would travel

1937

01:22:03,590 --> 01:22:00,960

the universe using the same

1938

01:22:07,189 --> 01:22:03,600

mapping that would be their gps too as

1939

01:22:09,030 --> 01:22:07,199

well that's right and in fact there's uh

1940

01:22:10,390 --> 01:22:09,040

there's a gentleman whose work i came

1941

01:22:12,310 --> 01:22:10,400

across

1942

01:22:14,629 --> 01:22:12,320

and i can't remember his name i need to

1943

01:22:16,550 --> 01:22:14,639

look up his book again but

1944

01:22:19,990 --> 01:22:16,560

he was introduced to me by stephen

1945

01:22:22,950 --> 01:22:20,000

bassett stephen bassett was doing a talk

1946

01:22:25,590 --> 01:22:22,960

on different civilization types type 1

1947

01:22:27,910 --> 01:22:25,600

type 2 and type 3

1948

01:22:30,709 --> 01:22:27,920

and you know i was talking to him i

1949

01:22:33,510 --> 01:22:30,719

brought up to him this idea of pulsars

1950

01:22:35,990 --> 01:22:33,520

as navigation jumps and he said there's

1951

01:22:39,350 --> 01:22:36,000

a guy who wrote this book describing

1952

01:22:42,310 --> 01:22:39,360

pulse he thinks that pulsars were set up

1953

01:22:44,629 --> 01:22:42,320

as navigation beacons by some super

1954

01:22:47,510 --> 01:22:44,639

advanced civilization and i was like oh

1955

01:22:49,510 --> 01:22:47,520

my god you're kidding me like that's

1956

01:22:51,990 --> 01:22:49,520

the way i've been thinking about this

1957

01:22:53,990 --> 01:22:52,000

and um and that to me was a big

1958

01:22:57,430 --> 01:22:54,000

confirmation because somebody who wrote

1959

01:23:00,470 --> 01:22:57,440

an entire book just on that topic you

1960

01:23:02,550 --> 01:23:00,480

know essentially working to prove this

1961

01:23:05,189 --> 01:23:02,560

idea that these things are navigational

1962

01:23:08,550 --> 01:23:05,199

beacons um it just made a lot of sense

1963

01:23:11,750 --> 01:23:08,560

to me and yes as a galactic civilization

1964

01:23:14,950 --> 01:23:11,760

you need to build a library of the

1965

01:23:16,950 --> 01:23:14,960

galaxy to be able to navigate and as you

1966

01:23:19,030 --> 01:23:16,960

travel you're going to build out that

1967

01:23:21,030 --> 01:23:19,040

library more and more and more

1968

01:23:23,830 --> 01:23:21,040

and you know just like we've done in our

1969

01:23:24,870 --> 01:23:23,840

sciences learning how to compensate for

1970

01:23:27,830 --> 01:23:24,880

movement

1971

01:23:30,070 --> 01:23:27,840

redshift blue shift frequency shifts

1972

01:23:31,590 --> 01:23:30,080

we've learned how to compensate for all

1973

01:23:32,790 --> 01:23:31,600

of these things to do stellar

1974

01:23:33,669 --> 01:23:32,800

cartography

1975

01:23:36,310 --> 01:23:33,679

and

1976

01:23:37,830 --> 01:23:36,320

these civilizations have taken that you

1977

01:23:39,669 --> 01:23:37,840

know another

1978

01:23:41,350 --> 01:23:39,679

thousand to ten thousand years of

1979

01:23:43,350 --> 01:23:41,360

evolution into the future beyond where

1980

01:23:46,149 --> 01:23:43,360

we are as a civilization

1981

01:23:49,910 --> 01:23:46,159

uh uh a couple of weeks ago there was an

1982

01:23:51,270 --> 01:23:49,920

announcement that we found a ring in the

1983

01:23:53,669 --> 01:23:51,280

milky way

1984

01:23:54,550 --> 01:23:53,679

of the spiral galaxy a ring of the milky

1985

01:23:59,669 --> 01:23:54,560

way

1986

01:24:07,510 --> 01:24:03,510

12 billion years old that is almost as

1987

01:24:09,990 --> 01:24:07,520

old as the universe itself and another

1988

01:24:12,790 --> 01:24:10,000

uh 20 to 30 percent older than what we

1989

01:24:15,750 --> 01:24:12,800

thought the milky way was does this

1990

01:24:17,430 --> 01:24:15,760

change things too as well as far as when

1991

01:24:18,550 --> 01:24:17,440

stars uh

1992

01:24:22,390 --> 01:24:18,560

formed

1993

01:24:25,510 --> 01:24:22,400

and when

1994

01:24:28,149 --> 01:24:25,520

extra terrestrial civilizations uh could

1995

01:24:31,590 --> 01:24:28,159

have evolved because now we

1996

01:24:33,669 --> 01:24:31,600

i think the number is 40 billion rocky

1997

01:24:36,790 --> 01:24:33,679

earth-like planets in the milky way

1998

01:24:39,110 --> 01:24:36,800

alone in the goldilocks zone rightly at

1999

01:24:40,950 --> 01:24:39,120

least at least yeah that

2000

01:24:44,470 --> 01:24:40,960

now we're talking about the ages of some

2001  
01:24:47,270 --> 01:24:44,480  
of these planets nearly forming back

2002  
01:24:48,790 --> 01:24:47,280  
when the big bang if you you know want

2003  
01:24:51,110 --> 01:24:48,800  
to call it the big bang and when that

2004  
01:24:51,910 --> 01:24:51,120  
allegedly happened yeah

2005  
01:24:57,350 --> 01:24:51,920  
but

2006  
01:24:58,790 --> 01:24:57,360  
old civilizations or the possibility of

2007  
01:24:59,750 --> 01:24:58,800  
them evolving

2008  
01:25:03,030 --> 01:24:59,760  
yeah

2009  
01:25:04,310 --> 01:25:03,040  
you know it it does several things i'm

2010  
01:25:05,750 --> 01:25:04,320  
really glad that you brought up the

2011  
01:25:07,590 --> 01:25:05,760  
study because

2012  
01:25:09,350 --> 01:25:07,600  
one of the things that this study does

2013  
01:25:12,470 --> 01:25:09,360

is reinforce

2014

01:25:15,110 --> 01:25:12,480

our our study and our theories about

2015

01:25:18,550 --> 01:25:15,120

galactic evolution the idea that a

2016

01:25:22,229 --> 01:25:18,560

galaxy you know forms you know perhaps

2017

01:25:25,270 --> 01:25:22,239

in a vortex of stars and then

2018

01:25:28,390 --> 01:25:25,280

merges and collides with other galaxies

2019

01:25:30,070 --> 01:25:28,400

forming even more advanced patterns

2020

01:25:32,629 --> 01:25:30,080

and in one of the models you know the

2021

01:25:35,189 --> 01:25:32,639

spiral galaxy is i think model three

2022

01:25:37,590 --> 01:25:35,199

it's like version three of a galaxy that

2023

01:25:40,390 --> 01:25:37,600

you get to and we know we're in a spiral

2024

01:25:42,470 --> 01:25:40,400

galaxy or a barred spiral galaxy and so

2025

01:25:44,629 --> 01:25:42,480

we know our galaxy's already gone

2026

01:25:46,310 --> 01:25:44,639

through some evolutions and of course

2027

01:25:48,470 --> 01:25:46,320

we're gonna merge with andromeda at some

2028

01:25:50,390 --> 01:25:48,480

point what's it gonna look like then and

2029

01:25:51,990 --> 01:25:50,400

you know the the question a lot of

2030

01:25:53,669 --> 01:25:52,000

people get to is oh my god does that

2031

01:25:55,350 --> 01:25:53,679

mean that all the stars are going to hit

2032

01:25:57,830 --> 01:25:55,360

each other well

2033

01:26:00,229 --> 01:25:57,840

yeah you gotta realize that it's just

2034

01:26:02,550 --> 01:26:00,239

like atoms floating around in the air in

2035

01:26:04,950 --> 01:26:02,560

front of you like they don't need to run

2036

01:26:07,750 --> 01:26:04,960

into each other that often for one thing

2037

01:26:11,590 --> 01:26:07,760

and and it's like this space between

2038

01:26:13,270 --> 01:26:11,600

these fields of star systems is so vast

2039

01:26:16,149 --> 01:26:13,280

in so many cases

2040

01:26:18,629 --> 01:26:16,159

that it's way more likely that two star

2041

01:26:20,790 --> 01:26:18,639

systems are just going to get move into

2042

01:26:25,669 --> 01:26:20,800

each other's gravitational field and

2043

01:26:28,629 --> 01:26:25,679

become binary you know and the amount of

2044

01:26:29,669 --> 01:26:28,639

power that the suns have at the center

2045

01:26:32,950 --> 01:26:29,679

of these

2046

01:26:33,750 --> 01:26:32,960

solar systems so to speak is so great

2047

01:26:35,350 --> 01:26:33,760

that

2048

01:26:37,669 --> 01:26:35,360

you we could get into a dance with

2049

01:26:41,270 --> 01:26:37,679

another star we in fact we might even be

2050

01:26:42,950 --> 01:26:41,280

in a dance with several other stars and

2051

01:26:44,550 --> 01:26:42,960

we would never even know it all of the

2052

01:26:46,709 --> 01:26:44,560

planets in our solar system would

2053

01:26:48,629 --> 01:26:46,719

continue going around just doing that

2054

01:26:51,350 --> 01:26:48,639

just what they do exactly like they do

2055

01:26:53,669 --> 01:26:51,360

it because 4.1 light years you know to

2056

01:26:57,350 --> 01:26:53,679

the syrian system or whatever is a long

2057

01:27:00,310 --> 01:26:57,360

way this is very far this is like a long

2058

01:27:02,629 --> 01:27:00,320

way that it takes light to travel and so

2059

01:27:03,669 --> 01:27:02,639

yes that it would make sense that there

2060

01:27:06,629 --> 01:27:03,679

are

2061

01:27:09,110 --> 01:27:06,639

older stars that have been part of

2062

01:27:11,750 --> 01:27:09,120

this galaxy's evolution

2063

01:27:14,629 --> 01:27:11,760

you know and that formed way way back in

2064

01:27:17,030 --> 01:27:14,639

the early days of the body of our galaxy

2065

01:27:19,750 --> 01:27:17,040

before it merged with others you know

2066

01:27:22,229 --> 01:27:19,760

before more um you know stellar

2067

01:27:24,470 --> 01:27:22,239

nurseries formed essentially nebulas

2068

01:27:26,470 --> 01:27:24,480

forming more and more of the stars but

2069

01:27:28,870 --> 01:27:26,480

jimmy you know i think it's also really

2070

01:27:30,550 --> 01:27:28,880

important to point to a particular topic

2071

01:27:31,830 --> 01:27:30,560

with this idea

2072

01:27:35,510 --> 01:27:31,840

which is

2073

01:27:38,070 --> 01:27:35,520

is is is our galaxy and are the stars in

2074

01:27:40,229 --> 01:27:38,080

it old enough for there to be lots of

2075

01:27:41,110 --> 01:27:40,239

other civilizations

2076

01:27:42,950 --> 01:27:41,120

well

2077

01:27:45,669 --> 01:27:42,960

let's talk about that when we come back

2078

01:27:47,270 --> 01:27:45,679

actually i was going in that direction

2079

01:27:49,350 --> 01:27:47,280

but it's one of the most important

2080

01:27:50,950 --> 01:27:49,360

topics because

2081

01:27:53,030 --> 01:27:50,960

what we know

2082

01:27:56,149 --> 01:27:53,040

is earth is about four and a half

2083

01:27:57,030 --> 01:27:56,159

billion years old so is our star and our

2084

01:27:59,910 --> 01:27:57,040

sun

2085

01:28:02,070 --> 01:27:59,920

has a theoretical shelf life of about 10

2086

01:28:03,990 --> 01:28:02,080

billion years that technically we're

2087

01:28:06,229 --> 01:28:04,000

halfway through that right now that's

2088

01:28:08,470 --> 01:28:06,239

not entirely true in that

2089

01:28:10,310 --> 01:28:08,480

it's going to become very unstable it's

2090

01:28:11,990 --> 01:28:10,320

not going to be stable for the next 5

2091

01:28:14,629 --> 01:28:12,000

billion years it's going to be very

2092

01:28:17,430 --> 01:28:14,639

unstable and other extraterrestrial

2093

01:28:19,830 --> 01:28:17,440

civilizations out there have to have

2094

01:28:22,390 --> 01:28:19,840

dealt with the same issues we're going

2095

01:28:24,390 --> 01:28:22,400

to start dealing with here very very

2096

01:28:26,790 --> 01:28:24,400

soon adam let's take our break right

2097

01:28:29,830 --> 01:28:26,800

here this is fade to black i am your

2098

01:28:33,030 --> 01:28:29,840

host jimmy church and here's the deal

2099

01:28:35,430 --> 01:28:33,040

tonight we are talking about

2100

01:28:37,030 --> 01:28:35,440

the physics of an extraterrestrial

2101  
01:28:39,510 --> 01:28:37,040  
civilization what are they doing to get

2102  
01:28:40,709 --> 01:28:39,520  
here what do they know what do we still

2103  
01:28:42,390 --> 01:28:40,719  
need to learn

2104  
01:28:44,790 --> 01:28:42,400  
all of that and much more with adam

2105  
01:28:46,200 --> 01:28:44,800  
apollo coming up after this short break

2106  
01:28:52,790 --> 01:28:46,210  
stay with us

2107  
01:28:55,990 --> 01:28:52,800  
[Music]

2108  
01:28:58,150 --> 01:28:56,000  
way out here we listen to jimmy church

2109  
01:29:00,790 --> 01:28:58,160  
you're listening to fade to black

2110  
01:29:02,950 --> 01:29:00,800  
[Applause]

2111  
01:29:04,470 --> 01:29:02,960  
you're listening to jimmy church and

2112  
01:29:09,560 --> 01:29:04,480  
fade to black

2113  
01:29:09,570 --> 01:29:19,580

[Applause]

2114

01:29:19,590 --> 01:29:22,950

[Music]

2115

01:29:29,270 --> 01:29:24,790

this is jimmy church of fade to black

2116

01:29:31,990 --> 01:29:29,280

and this year june 18th 2022

2117

01:29:34,550 --> 01:29:32,000

the disclosure fest foundation presents

2118

01:29:38,149 --> 01:29:34,560

the mass meditation initiative it's

2119

01:29:40,709 --> 01:29:38,159

saturday june 18th from 10 a.m to 10 p.m

2120

01:29:43,189 --> 01:29:40,719

one day only at the los angeles state

2121

01:29:46,310 --> 01:29:43,199

historic park in downtown los angeles

2122

01:29:48,709 --> 01:29:46,320

california right next to chinatown i'm

2123

01:29:51,910 --> 01:29:48,719

hosting the event again this year with

2124

01:29:55,350 --> 01:29:51,920

music performances by trevor hall the

2125

01:29:58,629 --> 01:29:55,360

desert dwellers poor on key and many

2126

01:30:02,550 --> 01:29:58,639

many more on four separate stages

2127

01:30:05,430 --> 01:30:02,560

there's 16 stages in total over 30 acres

2128

01:30:07,830 --> 01:30:05,440

in downtown los angeles with vendors and

2129

01:30:10,149 --> 01:30:07,840

tents and presentations and workshops

2130

01:30:12,470 --> 01:30:10,159

with billy carson adam apollo lori

2131

01:30:14,950 --> 01:30:12,480

spania laura eisenhower brattles and

2132

01:30:17,550 --> 01:30:14,960

david palmer and many many more it's all

2133

01:30:19,350 --> 01:30:17,560

simple to do just go to

2134

01:30:21,110 --> 01:30:19,360

disclosurefest.org for all of your

2135

01:30:24,229 --> 01:30:21,120

tickets information and the full

2136

01:30:26,760 --> 01:30:24,239

schedule of the day's events again

2137

01:30:30,709 --> 01:30:26,770

disclosurefest.org

2138

01:30:32,790 --> 01:30:30,719

[Music]

2139

01:30:35,510 --> 01:30:32,800

do you want to be an official fate or

2140

01:30:37,750 --> 01:30:35,520

not of course you do this is jimmy

2141

01:30:38,950 --> 01:30:37,760

churchill fade to black just go to our

2142

01:30:41,510 --> 01:30:38,960

membership section at

2143

01:30:43,430 --> 01:30:41,520

jimmychurchradio.com

2144

01:30:45,270 --> 01:30:43,440

vader knots when you think about the

2145

01:30:47,189 --> 01:30:45,280

future of our country and where we're

2146

01:30:50,229 --> 01:30:47,199

headed do you wonder about the food

2147

01:30:52,470 --> 01:30:50,239

supply i do disruptions in the food

2148

01:30:55,270 --> 01:30:52,480

supply chain could be disastrous and

2149

01:30:57,189 --> 01:30:55,280

they usually occur with little warning

2150

01:31:00,229 --> 01:30:57,199

that's why the smartest thing you can do

2151  
01:31:03,270 --> 01:31:00,239  
today is to stockpile emergency food

2152  
01:31:05,990 --> 01:31:03,280  
water and other essentials i personally

2153  
01:31:08,310 --> 01:31:06,000  
recommend my patriot supply they're the

2154  
01:31:10,870 --> 01:31:08,320  
nation's largest emergency preparedness

2155  
01:31:13,350 --> 01:31:10,880  
company serving millions of customers

2156  
01:31:15,990 --> 01:31:13,360  
for more than a decade in fact they're

2157  
01:31:18,870 --> 01:31:16,000  
the only source my family trust for our

2158  
01:31:21,990 --> 01:31:18,880  
preparedness plan you should too

2159  
01:31:24,550 --> 01:31:22,000  
right now save 20 off a full four week

2160  
01:31:28,149 --> 01:31:24,560  
supply of delicious meals that provide 2

2161  
01:31:31,030 --> 01:31:28,159  
000 calories a day saving 20 helps too

2162  
01:31:34,070 --> 01:31:31,040  
doesn't it especially now so go to

2163  
01:31:37,350 --> 01:31:34,080

prepare with jimmy.com and get ready

2164

01:31:41,189 --> 01:31:37,360

that's prepare with jimmy.com there's no

2165

01:31:44,229 --> 01:31:41,199

time to lose do it now

2166

01:31:46,470 --> 01:31:44,239

so you love talk radio then you'll love

2167

01:31:49,669 --> 01:31:46,480

talkstreamlive.com

2168

01:31:51,830 --> 01:31:49,679

talk stream live is always on 24 7 with

2169

01:31:53,750 --> 01:31:51,840

the best streaming talk shows find your

2170

01:31:56,629 --> 01:31:53,760

favorite talkers and discover some new

2171

01:31:58,709 --> 01:31:56,639

ones it's free readily available online

2172

01:32:00,790 --> 01:31:58,719

or on mobile with any smartphone or

2173

01:32:03,350 --> 01:32:00,800

tablet finding your favorite talk shows

2174

01:32:05,149 --> 01:32:03,360

all in one place has gotten a whole lot

2175

01:32:07,270 --> 01:32:05,159

easier just go to

2176  
01:32:09,590 --> 01:32:07,280  
talkstreamlive.com be sure to download

2177  
01:32:12,470 --> 01:32:09,600  
the free apps from google play or the

2178  
01:32:15,669 --> 01:32:12,480  
itunes app store

2179  
01:32:21,830 --> 01:32:15,679  
you listen to us and we listen to you

2180  
01:32:28,629 --> 01:32:23,830  
you are listening to fate to black with

2181  
01:32:34,070 --> 01:32:31,110  
hi i'm reese vance you're listening to

2182  
01:32:36,870 --> 01:32:34,080  
jimmy church this is revolution the

2183  
01:32:40,149 --> 01:32:36,880  
revolution will not be televised the

2184  
01:32:44,850 --> 01:32:40,159  
revolution is on radio

2185  
01:33:21,830 --> 01:32:59,350  
[Music]

2186  
01:33:25,910 --> 01:33:24,070  
all right welcome back fate to black i

2187  
01:33:27,910 --> 01:33:25,920  
am your host jimmy church tonight adam

2188  
01:33:30,910 --> 01:33:27,920

apollo is with us

2189

01:33:33,510 --> 01:33:30,920

we're discussing the physics of an

2190

01:33:36,070 --> 01:33:33,520

extraterrestrial civilization and

2191

01:33:39,590 --> 01:33:36,080

and what that would entail and i've

2192

01:33:42,550 --> 01:33:39,600

often wondered too um adam if uh

2193

01:33:46,229 --> 01:33:42,560

is is is physics different

2194

01:33:48,390 --> 01:33:46,239

in another part of the universe and and

2195

01:33:50,149 --> 01:33:48,400

to what we have here and we'll get to

2196

01:33:51,189 --> 01:33:50,159

that in a second you've got a couple of

2197

01:33:53,750 --> 01:33:51,199

events

2198

01:33:56,070 --> 01:33:53,760

uh that are coming up one uh is of

2199

01:33:56,950 --> 01:33:56,080

course disclosurefest uh coming up in

2200

01:33:59,110 --> 01:33:56,960

june

2201  
01:34:01,270 --> 01:33:59,120  
and you've got another event happening

2202  
01:34:03,910 --> 01:34:01,280  
here in california tell us about that

2203  
01:34:06,870 --> 01:34:03,920  
yeah absolutely i'm at an event called

2204  
01:34:09,030 --> 01:34:06,880  
liberty's horizon in san diego at the

2205  
01:34:11,910 --> 01:34:09,040  
end of the month uh it's the 31st and

2206  
01:34:12,950 --> 01:34:11,920  
the first i believe and liberty is

2207  
01:34:19,110 --> 01:34:12,960  
spelled

2208  
01:34:22,629 --> 01:34:21,590  
um and so liberties horizon and it's

2209  
01:34:23,830 --> 01:34:22,639  
essentially

2210  
01:34:24,950 --> 01:34:23,840  
um

2211  
01:34:50,070 --> 01:34:24,960  
a

2212  
01:34:52,550 --> 01:34:50,080  
kinds of things everything from reducing

2213  
01:34:56,550 --> 01:34:52,560

tax liability to building community

2214

01:34:58,870 --> 01:34:56,560

vehicles um and essentially you know is

2215

01:35:00,870 --> 01:34:58,880

the template structures

2216

01:35:03,189 --> 01:35:00,880

that are going into a lot of what we

2217

01:35:04,470 --> 01:35:03,199

call web 3 projects or decentralized web

2218

01:35:07,669 --> 01:35:04,480

projects so i'm going to be talking

2219

01:35:10,390 --> 01:35:07,679

about in particular um

2220

01:35:13,350 --> 01:35:10,400

disrupting the social web field and

2221

01:35:15,510 --> 01:35:13,360

building new systems that can allow us

2222

01:35:18,310 --> 01:35:15,520

to own our identities control our

2223

01:35:20,310 --> 01:35:18,320

identities have freedom of speech

2224

01:35:22,870 --> 01:35:20,320

freedom of connection with each other

2225

01:35:25,030 --> 01:35:22,880

not be throttled and actually weave

2226

01:35:26,790 --> 01:35:25,040

together as a global community and how

2227

01:35:29,750 --> 01:35:26,800

some of that technology can also be

2228

01:35:31,669 --> 01:35:29,760

leveraged to create regenerative impact

2229

01:35:33,990 --> 01:35:31,679

meaning how we actually clean up the

2230

01:35:35,990 --> 01:35:34,000

rivers clean up pollution serve the

2231

01:35:37,590 --> 01:35:36,000

planet transform our cities to make them

2232

01:35:39,270 --> 01:35:37,600

healthier and cleaner and greener and

2233

01:35:41,910 --> 01:35:39,280

more amazing

2234

01:35:45,030 --> 01:35:41,920

because it is it is time for the

2235

01:35:47,590 --> 01:35:45,040

technological world to begin truly

2236

01:35:49,830 --> 01:35:47,600

acting in service and in stewardship to

2237

01:35:51,590 --> 01:35:49,840

this planet which has been an area of my

2238

01:35:53,910 --> 01:35:51,600

work for a very long time

2239

01:35:55,270 --> 01:35:53,920

a a bigger version of fade to black

2240

01:35:56,470 --> 01:35:55,280

right yeah

2241

01:35:59,830 --> 01:35:56,480

exactly

2242

01:36:02,070 --> 01:35:59,840

and also uh what disclosure fest is is

2243

01:36:04,870 --> 01:36:02,080

all about because fundamentally it

2244

01:36:07,350 --> 01:36:04,880

addresses all of those core things yeah

2245

01:36:09,189 --> 01:36:07,360

cleaning up the beaches planting trees

2246

01:36:11,990 --> 01:36:09,199

uh hunger

2247

01:36:14,550 --> 01:36:12,000

um and and doing it through uh

2248

01:36:17,750 --> 01:36:14,560

the community and also uh meditation too

2249

01:36:19,990 --> 01:36:17,760

as well which is a big part of it um

2250

01:36:20,870 --> 01:36:20,000

that that's an amazing event i did read

2251

01:36:23,109 --> 01:36:20,880

through

2252

01:36:26,070 --> 01:36:23,119

uh a bunch of the materials and it's

2253

01:36:29,430 --> 01:36:26,080

it's very intriguing it's so funny you

2254

01:36:30,790 --> 01:36:29,440

said to me you go jimmy this is so you

2255

01:36:39,109 --> 01:36:30,800

yeah

2256

01:36:41,669 --> 01:36:39,119

back to where uh we were right before

2257

01:36:43,990 --> 01:36:41,679

the break and and that is

2258

01:36:47,350 --> 01:36:44,000

well sort of what you just addressed

2259

01:36:48,950 --> 01:36:47,360

there too as well with liberties in that

2260

01:36:50,629 --> 01:36:48,960

et

2261

01:36:52,550 --> 01:36:50,639

would have to

2262

01:36:55,109 --> 01:36:52,560

survive

2263

01:36:56,550 --> 01:36:55,119

uh killing itself nuclear wars you know

2264

01:36:57,590 --> 01:36:56,560

something like that they would have to

2265

01:37:00,790 --> 01:36:57,600

survive

2266

01:37:03,189 --> 01:37:00,800

burning its planet of nutrients and and

2267

01:37:05,350 --> 01:37:03,199

growing food it would have to survive

2268

01:37:07,669 --> 01:37:05,360

pollution it would have to survive

2269

01:37:09,750 --> 01:37:07,679

natural disasters it would have to

2270

01:37:12,470 --> 01:37:09,760

survive drinking up all of the water it

2271

01:37:14,790 --> 01:37:12,480

would have to survive an asteroid

2272

01:37:17,270 --> 01:37:14,800

uh impact or a comet impact it would

2273

01:37:18,390 --> 01:37:17,280

have to survive another alien invasion

2274

01:37:20,629 --> 01:37:18,400

all right

2275

01:37:22,709 --> 01:37:20,639

it would have to survive everything that

2276

01:37:26,229 --> 01:37:22,719

is right in front of us too

2277

01:37:27,990 --> 01:37:26,239

in order to continue right and and so

2278

01:37:28,790 --> 01:37:28,000

when we talk about

2279

01:37:31,270 --> 01:37:28,800

uh

2280

01:37:33,510 --> 01:37:31,280

an extraterrestrial civilization being a

2281

01:37:37,030 --> 01:37:33,520

billion years more advanced than us or

2282

01:37:39,830 --> 01:37:37,040

10 000 years they would have to confront

2283

01:37:42,709 --> 01:37:39,840

everything that i just listed right

2284

01:37:44,470 --> 01:37:42,719

uh potentially i mean it doesn't mean

2285

01:37:46,229 --> 01:37:44,480

you're going to run into all of those

2286

01:37:48,310 --> 01:37:46,239

problems

2287

01:37:50,550 --> 01:37:48,320

you know if you don't build nuclear

2288

01:37:52,470 --> 01:37:50,560

power for example you never run into the

2289

01:37:55,510 --> 01:37:52,480

potential of the nuclear bomb bombing

2290

01:37:57,910 --> 01:37:55,520

yourself um if you haven't you know

2291

01:37:59,590 --> 01:37:57,920

made working with fire one of your main

2292

01:38:01,830 --> 01:37:59,600

things then you don't you go through a

2293

01:38:03,430 --> 01:38:01,840

lot of the challenges of the ways people

2294

01:38:05,590 --> 01:38:03,440

blow themselves up with fire and

2295

01:38:07,270 --> 01:38:05,600

gunpowder and all of that kind of stuff

2296

01:38:09,590 --> 01:38:07,280

it's it's really

2297

01:38:11,109 --> 01:38:09,600

deeply dependent on the nature of the

2298

01:38:14,390 --> 01:38:11,119

challenge of the species and the

2299

01:38:16,709 --> 01:38:14,400

biosphere that they evolve inside of and

2300

01:38:18,070 --> 01:38:16,719

it's important i think to to look at

2301  
01:38:20,310 --> 01:38:18,080  
that and say

2302  
01:38:21,189 --> 01:38:20,320  
you know there are certainly places on

2303  
01:38:23,350 --> 01:38:21,199  
earth

2304  
01:38:26,470 --> 01:38:23,360  
that have essentially been pretty much

2305  
01:38:28,629 --> 01:38:26,480  
paradises for almost as long as we know

2306  
01:38:31,350 --> 01:38:28,639  
humans have been there because they just

2307  
01:38:33,189 --> 01:38:31,360  
didn't operate in the same ways as other

2308  
01:38:35,030 --> 01:38:33,199  
peoples in other areas they didn't get

2309  
01:38:36,950 --> 01:38:35,040  
themselves into wars they never had the

2310  
01:38:39,910 --> 01:38:36,960  
threat of a nuclear bomb or they didn't

2311  
01:38:41,990 --> 01:38:39,920  
know they did anyway you know um

2312  
01:38:43,350 --> 01:38:42,000  
and so you know looking at all the

2313  
01:38:44,470 --> 01:38:43,360

planets in the galaxy i think it's

2314

01:38:47,270 --> 01:38:44,480

important to

2315

01:38:49,109 --> 01:38:47,280

to take them at their context but you

2316

01:38:51,350 --> 01:38:49,119

know jimmy i want to come back to the

2317

01:38:53,430 --> 01:38:51,360

the age of worlds if you don't mind can

2318

01:38:55,910 --> 01:38:53,440

we go sure no that's what well that's

2319

01:38:57,350 --> 01:38:55,920

what i thought i was talking about yeah

2320

01:38:58,950 --> 01:38:57,360

well you know

2321

01:39:02,149 --> 01:38:58,960

one of the biggest

2322

01:39:04,229 --> 01:39:02,159

arguments against galactic civilizations

2323

01:39:05,990 --> 01:39:04,239

and particularly advanced ones

2324

01:39:08,550 --> 01:39:06,000

especially with a lot of the different

2325

01:39:11,669 --> 01:39:08,560

star systems out there is like oh yeah

2326

01:39:13,750 --> 01:39:11,679

but is that star really old enough right

2327

01:39:17,109 --> 01:39:13,760

is that star old enough to have an

2328

01:39:18,709 --> 01:39:17,119

advanced civilization on it so humans as

2329

01:39:21,109 --> 01:39:18,719

we know us right

2330

01:39:23,510 --> 01:39:21,119

humans as we know them essentially

2331

01:39:26,709 --> 01:39:23,520

have been around on earth for about five

2332

01:39:28,189 --> 01:39:26,719

million years right and you said you

2333

01:39:31,270 --> 01:39:28,199

know earth is

2334

01:39:34,149 --> 01:39:31,280

4.5 billion years old so there's been a

2335

01:39:36,070 --> 01:39:34,159

long journey you know on earth to get to

2336

01:39:38,470 --> 01:39:36,080

human and then but humans have been

2337

01:39:40,390 --> 01:39:38,480

around for just like a blip you know of

2338

01:39:43,430 --> 01:39:40,400

the lifetime of the earth

2339

01:39:45,750 --> 01:39:43,440

now one of the star systems that gets a

2340

01:39:46,870 --> 01:39:45,760

lot of contention is the pleiades and i

2341

01:39:48,550 --> 01:39:46,880

already talked about the pleiades

2342

01:39:51,590 --> 01:39:48,560

several times tonight and so i figure

2343

01:39:53,270 --> 01:39:51,600

hey good opportunity to throw out some

2344

01:39:57,350 --> 01:39:53,280

fallacies in our belief systems about

2345

01:39:59,830 --> 01:39:57,360

the pleiades so the pleiades based on

2346

01:40:01,669 --> 01:39:59,840

really it's one generalized theoretical

2347

01:40:04,229 --> 01:40:01,679

model that we think is probably about

2348

01:40:08,629 --> 01:40:04,239

the closest you know puts the pleiades

2349

01:40:11,189 --> 01:40:08,639

at about 115 million years old okay

2350

01:40:14,070 --> 01:40:11,199

so that's not that's not four billion

2351  
01:40:17,510 --> 01:40:14,080  
years old okay that's 150 million years

2352  
01:40:20,149 --> 01:40:17,520  
old so that's a lot less and so from our

2353  
01:40:22,629 --> 01:40:20,159  
sort of planetary wait wait wait wait

2354  
01:40:23,590 --> 01:40:22,639  
wait adam pump the brakes just say that

2355  
01:40:24,390 --> 01:40:23,600  
again

2356  
01:40:28,229 --> 01:40:24,400  
yeah

2357  
01:40:29,910 --> 01:40:28,239  
the age of the pleiades star system is

2358  
01:40:31,990 --> 01:40:29,920  
what

2359  
01:40:34,470 --> 01:40:32,000  
applying one of the assessment

2360  
01:40:37,590 --> 01:40:34,480  
techniques we believe that the pleiadian

2361  
01:40:39,830 --> 01:40:37,600  
star system that cluster of stars is

2362  
01:40:43,430 --> 01:40:39,840  
about 115

2363  
01:40:46,550 --> 01:40:45,510

okay my mind is blown

2364

01:40:48,550 --> 01:40:46,560

in that

2365

01:40:51,590 --> 01:40:48,560

okay in in

2366

01:40:53,350 --> 01:40:51,600

let's just compare to what i know yeah

2367

01:40:55,830 --> 01:40:53,360

our son

2368

01:40:59,270 --> 01:40:55,840

our star system

2369

01:41:01,750 --> 01:40:59,280

five billion years old yep with the b

2370

01:41:04,470 --> 01:41:01,760

yeah now we're talking about the seven

2371

01:41:07,669 --> 01:41:04,480

sisters right okay

2372

01:41:10,070 --> 01:41:07,679

and the age of that cluster is what

2373

01:41:14,070 --> 01:41:10,080

uh you know it's believed to be have

2374

01:41:17,669 --> 01:41:15,030

okay

2375

01:41:19,910 --> 01:41:17,679

continue i i need to learn i need i'm

2376

01:41:21,669 --> 01:41:19,920

getting my knowledge on okay continue

2377

01:41:25,189 --> 01:41:21,679

totally so

2378

01:41:29,109 --> 01:41:25,199

so here's the idea right if you look at

2379

01:41:31,270 --> 01:41:29,119

the the sun you know our sun and we look

2380

01:41:33,270 --> 01:41:31,280

at earth we think our sun's 5 billion

2381

01:41:37,510 --> 01:41:33,280

years ago and we think earth formed at

2382

01:41:40,629 --> 01:41:37,520

you know 4 million for 4 billion 500 500

2383

01:41:43,109 --> 01:41:40,639

million years ago right 4.5 billion

2384

01:41:45,270 --> 01:41:43,119

and so there's a fairly close

2385

01:41:47,350 --> 01:41:45,280

correlative relationship and we're we're

2386

01:41:50,149 --> 01:41:47,360

guessing you know we don't know exactly

2387

01:41:52,390 --> 01:41:50,159

how old the sun is when it was birthed

2388

01:41:55,270 --> 01:41:52,400

and we also don't know exactly when the

2389

01:41:58,310 --> 01:41:55,280

earth was formed in fact if we look at

2390

01:42:01,189 --> 01:41:58,320

some proto-planetary systems we can look

2391

01:42:04,310 --> 01:42:01,199

at them and assess that planetoids in

2392

01:42:05,510 --> 01:42:04,320

other words planet bodies can be well in

2393

01:42:08,790 --> 01:42:05,520

formation

2394

01:42:12,629 --> 01:42:08,800

long before a star so to speak ignites

2395

01:42:15,030 --> 01:42:12,639

right correct so so in other words it's

2396

01:42:17,669 --> 01:42:15,040

possible that earth could have actually

2397

01:42:19,590 --> 01:42:17,679

formed or a lot of it before our sun

2398

01:42:22,870 --> 01:42:19,600

even went you know

2399

01:42:25,189 --> 01:42:22,880

no is essentially turned on its fusion

2400

01:42:26,310 --> 01:42:25,199

engines and turned into a big you know

2401

01:42:29,109 --> 01:42:26,320

solar

2402

01:42:31,510 --> 01:42:29,119

powerhouse yes and so

2403

01:42:33,669 --> 01:42:31,520

yes if we take that same model and we

2404

01:42:36,950 --> 01:42:33,679

project it out we can look at a very

2405

01:42:38,790 --> 01:42:36,960

very young system like the pleiades that

2406

01:42:41,350 --> 01:42:38,800

seems so young

2407

01:42:42,870 --> 01:42:41,360

as to almost be illogical that life

2408

01:42:43,990 --> 01:42:42,880

could be there right

2409

01:42:46,709 --> 01:42:44,000

and yet

2410

01:42:49,350 --> 01:42:46,719

if a planet was forming

2411

01:42:52,149 --> 01:42:49,360

inside of the pleiadian cloud from

2412

01:42:55,030 --> 01:42:52,159

supernovas that went off inside of that

2413

01:42:57,669 --> 01:42:55,040

you know that nebula area right and

2414

01:43:00,629 --> 01:42:57,679

you've got all of this mass and all this

2415

01:43:04,229 --> 01:43:00,639

matter and it's birthing all of these

2416

01:43:06,709 --> 01:43:04,239

bright hot blue stars and around all of

2417

01:43:09,030 --> 01:43:06,719

these bright hot blue stars there's tons

2418

01:43:10,390 --> 01:43:09,040

of mass i mean it's literally in a

2419

01:43:12,550 --> 01:43:10,400

nebula right

2420

01:43:14,950 --> 01:43:12,560

and so what if a ton of that mass and

2421

01:43:16,550 --> 01:43:14,960

matter was water

2422

01:43:19,750 --> 01:43:16,560

and that water

2423

01:43:22,629 --> 01:43:19,760

begins to form planets around stars that

2424

01:43:25,030 --> 01:43:22,639

aren't even fully ignited yet right so

2425

01:43:27,189 --> 01:43:25,040

if there were planets around some of

2426

01:43:29,030 --> 01:43:27,199

these stars let's say

2427

01:43:31,109 --> 01:43:29,040

somewhere in the range of 100 million

2428

01:43:32,629 --> 01:43:31,119

years ago like around the time of the

2429

01:43:36,390 --> 01:43:32,639

star formation

2430

01:43:39,189 --> 01:43:36,400

and if any of these planets had tons

2431

01:43:42,070 --> 01:43:39,199

of water on them well if we go with

2432

01:43:43,910 --> 01:43:42,080

francis crick directed panspermia or we

2433

01:43:46,950 --> 01:43:43,920

look at any of the other studies that

2434

01:43:48,950 --> 01:43:46,960

say what happens when you've got the

2435

01:43:51,030 --> 01:43:48,960

right kind of amino acids you've got

2436

01:43:52,790 --> 01:43:51,040

water and you've got light

2437

01:43:54,950 --> 01:43:52,800

you've got warmth you've got water

2438

01:43:55,990 --> 01:43:54,960

you've got amino acids you get life

2439

01:43:59,590 --> 01:43:56,000

period

2440

01:44:02,629 --> 01:43:59,600

life comes about quickly and we look at

2441

01:44:05,270 --> 01:44:02,639

the evolution of human bodies of five

2442

01:44:06,790 --> 01:44:05,280

million years and we think oh yeah well

2443

01:44:08,870 --> 01:44:06,800

that makes sense for like a long

2444

01:44:11,189 --> 01:44:08,880

evolution from neanderthals and whatever

2445

01:44:13,350 --> 01:44:11,199

and we'd get to us you know we look at

2446

01:44:15,669 --> 01:44:13,360

life evolving on earth and we look at

2447

01:44:17,030 --> 01:44:15,679

like 100 million years of evolution and

2448

01:44:18,629 --> 01:44:17,040

we're like dang

2449

01:44:21,030 --> 01:44:18,639

there's a lot that can happen in a

2450

01:44:23,109 --> 01:44:21,040

hundred million years so

2451

01:44:26,629 --> 01:44:23,119

why wouldn't it be possible that a

2452

01:44:29,590 --> 01:44:26,639

humanoid species came about sooner or

2453

01:44:31,910 --> 01:44:29,600

even that possibly it ceded a water

2454

01:44:35,270 --> 01:44:31,920

planet at some point from some other

2455

01:44:38,310 --> 01:44:35,280

world a lot earlier and that that

2456

01:44:40,229 --> 01:44:38,320

species has evolved on that planet maybe

2457

01:44:42,070 --> 01:44:40,239

twice as long as us

2458

01:44:45,270 --> 01:44:42,080

or even if we didn't go that far if we

2459

01:44:49,030 --> 01:44:45,280

said six million years right give us

2460

01:44:50,709 --> 01:44:49,040

give us as humans one more million years

2461

01:44:52,790 --> 01:44:50,719

of development and think about where

2462

01:44:54,950 --> 01:44:52,800

we're going to be experiencing i mean we

2463

01:44:56,790 --> 01:44:54,960

in our science fiction we think that a

2464

01:44:59,430 --> 01:44:56,800

million years from now we think that you

2465

01:45:00,870 --> 01:44:59,440

know and uh ten thousand even a thousand

2466

01:45:02,470 --> 01:45:00,880

years from now

2467

01:45:05,430 --> 01:45:02,480

we're gonna be using

2468

01:45:08,950 --> 01:45:05,440

nano materials that can literally form

2469

01:45:11,669 --> 01:45:08,960

our houses and construct and deconstruct

2470

01:45:14,070 --> 01:45:11,679

the entire reality around us that might

2471

01:45:17,030 --> 01:45:14,080

be within a hundred years for god sakes

2472

01:45:19,990 --> 01:45:17,040

so once you hit this curve of conscious

2473

01:45:22,470 --> 01:45:20,000

evolution the potential of a species to

2474

01:45:23,830 --> 01:45:22,480

develop into a galactic species can be

2475

01:45:24,950 --> 01:45:23,840

taken place in a matter of a couple

2476

01:45:27,910 --> 01:45:24,960

hundred years

2477

01:45:30,390 --> 01:45:27,920

i mean we went from literally no cars no

2478

01:45:33,430 --> 01:45:30,400

trains no planes wagon

2479

01:45:35,910 --> 01:45:33,440

pulling our stuff around to now

2480

01:45:37,590 --> 01:45:35,920

i can use a device on my desk and talk

2481

01:45:39,910 --> 01:45:37,600

to anyone anywhere in the world i'm

2482

01:45:41,910 --> 01:45:39,920

literally live streaming with you to

2483

01:45:44,950 --> 01:45:41,920

people all over the world and that

2484

01:45:46,149 --> 01:45:44,960

wasn't even possible 30 years ago that's

2485

01:45:51,430 --> 01:45:46,159

right

2486

01:45:52,229 --> 01:45:51,440

take that i like where you're going with

2487

01:45:54,470 --> 01:45:52,239

this

2488

01:45:57,669 --> 01:45:54,480

it's a pretty interesting

2489

01:46:00,629 --> 01:45:57,679

not necessarily needing a full-blown sun

2490

01:46:01,590 --> 01:46:00,639

in a in a dust ring things are already

2491

01:46:03,430 --> 01:46:01,600

forming

2492

01:46:05,270 --> 01:46:03,440

gravity is already there that's how the

2493

01:46:08,070 --> 01:46:05,280

dust ring is

2494

01:46:09,669 --> 01:46:08,080

with any star system including ours

2495

01:46:12,390 --> 01:46:09,679

that's where essentially everything

2496

01:46:14,950 --> 01:46:12,400

starts it's it's dust and particles that

2497

01:46:17,030 --> 01:46:14,960

gather together uh because of gravity

2498

01:46:19,189 --> 01:46:17,040

you don't necessarily and there may be

2499

01:46:21,109 --> 01:46:19,199

sources of light already there you don't

2500

01:46:23,910 --> 01:46:21,119

necessarily need it from the sun there

2501  
01:46:25,990 --> 01:46:23,920  
is heat already there okay i like where

2502  
01:46:27,510 --> 01:46:26,000  
you're going with that so if we take

2503  
01:46:30,550 --> 01:46:27,520  
that idea

2504  
01:46:33,350 --> 01:46:30,560  
and we throw that over to the drake

2505  
01:46:35,270 --> 01:46:33,360  
equation and where we are sitting now

2506  
01:46:37,669 --> 01:46:35,280  
with this theoretical number being

2507  
01:46:39,270 --> 01:46:37,679  
thrown out there 40 billion rocky

2508  
01:46:41,590 --> 01:46:39,280  
earth-like planets

2509  
01:46:43,910 --> 01:46:41,600  
in the goldilocks zone

2510  
01:46:45,189 --> 01:46:43,920  
how many advanced civilizations know

2511  
01:46:48,390 --> 01:46:45,199  
about earth

2512  
01:46:51,430 --> 01:46:48,400  
what what what is that number now is it

2513  
01:46:53,030 --> 01:46:51,440

it's not one it's not two it's not 50 is

2514

01:46:55,270 --> 01:46:53,040

it potentially

2515

01:46:57,510 --> 01:46:55,280

millions what kind of number are we

2516

01:47:00,070 --> 01:46:57,520

talking about it's potentially millions

2517

01:47:02,229 --> 01:47:00,080

jimmy the drake equation easily puts

2518

01:47:04,470 --> 01:47:02,239

millions of intelligent civilizations

2519

01:47:06,470 --> 01:47:04,480

that could communicate around the galaxy

2520

01:47:09,430 --> 01:47:06,480

based on our current science right now

2521

01:47:11,910 --> 01:47:09,440

and that's still being extremely

2522

01:47:14,390 --> 01:47:11,920

conservative all right good numbers

2523

01:47:16,229 --> 01:47:14,400

right extremely conservative i didn't

2524

01:47:17,669 --> 01:47:16,239

maybe somebody might argue that with me

2525

01:47:19,510 --> 01:47:17,679

but i'm telling you i've run the drake

2526

01:47:22,390 --> 01:47:19,520

equation since i was 18 years old and

2527

01:47:25,109 --> 01:47:22,400

that was 22 years ago so right i'm 40

2528

01:47:27,910 --> 01:47:25,119

now i've been doing this for a long time

2529

01:47:30,229 --> 01:47:27,920

and essentially you know if you look at

2530

01:47:31,270 --> 01:47:30,239

if you look at this dynamic and you look

2531

01:47:34,950 --> 01:47:31,280

at this

2532

01:47:39,109 --> 01:47:34,960

you know this equation and you just say

2533

01:47:43,070 --> 01:47:39,119

hey but maybe of those millions

2534

01:47:44,629 --> 01:47:43,080

maybe a fraction of those a tiny

2535

01:47:46,950 --> 01:47:44,639

0.01

2536

01:47:48,790 --> 01:47:46,960

or something-ish of those you know

2537

01:47:51,030 --> 01:47:48,800

actually becomes an advanced

2538

01:47:53,270 --> 01:47:51,040

civilization enough to like travel into

2539

01:47:55,910 --> 01:47:53,280

the sky or into the stars i mean

2540

01:47:57,590 --> 01:47:55,920

literally you're still talking about

2541

01:48:00,470 --> 01:47:57,600

thousands

2542

01:48:01,270 --> 01:48:00,480

of space-faring civilizations

2543

01:48:06,229 --> 01:48:01,280

right

2544

01:48:08,709 --> 01:48:06,239

yes yes yes and um if we if we take that

2545

01:48:11,270 --> 01:48:08,719

you know like one step further

2546

01:48:12,870 --> 01:48:11,280

um and we've got to circle back too to

2547

01:48:15,030 --> 01:48:12,880

what we were talking about earlier and

2548

01:48:16,470 --> 01:48:15,040

that is uh the physics in in different

2549

01:48:18,870 --> 01:48:16,480

parts of the universe

2550

01:48:21,350 --> 01:48:18,880

um is is this

2551

01:48:24,149 --> 01:48:21,360

how many

2552

01:48:26,629 --> 01:48:24,159

have visited earth more than once

2553

01:48:28,149 --> 01:48:26,639

and before you answer the reason why i

2554

01:48:30,070 --> 01:48:28,159

suggest this

2555

01:48:32,470 --> 01:48:30,080

is that there are so many planets out

2556

01:48:34,950 --> 01:48:32,480

there to explore for an interstellar

2557

01:48:37,590 --> 01:48:34,960

civilization to go and do

2558

01:48:38,709 --> 01:48:37,600

um they're only logging

2559

01:48:44,229 --> 01:48:38,719

right

2560

01:48:46,070 --> 01:48:44,239

okay okay they've got dinosaurs

2561

01:48:48,550 --> 01:48:46,080

okay this is where they are we'll come

2562

01:48:50,550 --> 01:48:48,560

back and check it out maybe again

2563

01:48:52,950 --> 01:48:50,560

we've got more work to do we've got more

2564

01:48:57,189 --> 01:48:52,960

planets to explore and log

2565

01:48:59,109 --> 01:48:57,199

how many have visited us more than once

2566

01:49:00,950 --> 01:48:59,119

right

2567

01:49:03,030 --> 01:49:00,960

i mean why

2568

01:49:06,470 --> 01:49:03,040

the numbers are crazy

2569

01:49:08,390 --> 01:49:06,480

it's a crazy thought and and

2570

01:49:10,390 --> 01:49:08,400

how many have visited more than once how

2571

01:49:11,590 --> 01:49:10,400

many are hanging out here how many have

2572

01:49:14,070 --> 01:49:11,600

stayed

2573

01:49:16,550 --> 01:49:14,080

and i think that the number is a really

2574

01:49:18,470 --> 01:49:16,560

really big number it's not small it's

2575

01:49:20,950 --> 01:49:18,480

not two and it's not three

2576

01:49:21,750 --> 01:49:20,960

i think it's in the thousands adam

2577

01:49:23,589 --> 01:49:21,760

yeah

2578

01:49:25,830 --> 01:49:23,599

you know it's it's

2579

01:49:27,030 --> 01:49:25,840

fascinating especially when you start to

2580

01:49:29,430 --> 01:49:27,040

get into

2581

01:49:31,669 --> 01:49:29,440

cultural anthropology and you look at

2582

01:49:34,470 --> 01:49:31,679

how many cultures around the world have

2583

01:49:36,550 --> 01:49:34,480

described and and what most you know

2584

01:49:38,709 --> 01:49:36,560

archaeologists have just thought is i

2585

01:49:41,830 --> 01:49:38,719

must be mythology like they all just

2586

01:49:43,990 --> 01:49:41,840

have this idea that we're from the stars

2587

01:49:46,070 --> 01:49:44,000

and yet all of these cultures are pretty

2588

01:49:48,870 --> 01:49:46,080

explicit they're like our ancestors are

2589

01:49:51,350 --> 01:49:48,880

from that star you know or like you know

2590

01:49:53,350 --> 01:49:51,360

we we were taught by the star nations

2591

01:49:55,510 --> 01:49:53,360

this ritual you know the lakota dakota

2592

01:49:57,430 --> 01:49:55,520

nakota sioux they believe white buffalo

2593

01:49:59,589 --> 01:49:57,440

calf woman was a star nation ambassador

2594

01:50:02,550 --> 01:49:59,599

who came down to give them their seven

2595

01:50:03,350 --> 01:50:02,560

sacred rituals you have the maya who say

2596

01:50:06,709 --> 01:50:03,360

that

2597

01:50:09,030 --> 01:50:06,719

the four corn people of the earth the

2598

01:50:10,470 --> 01:50:09,040

red the yellow the white and the black

2599

01:50:12,709 --> 01:50:10,480

people these these

2600

01:50:15,030 --> 01:50:12,719

four corn colored people

2601  
01:50:16,470 --> 01:50:15,040  
are from the four corners of the great

2602  
01:50:18,390 --> 01:50:16,480  
river in the sky

2603  
01:50:19,910 --> 01:50:18,400  
this is their like you know translation

2604  
01:50:22,229 --> 01:50:19,920  
and they have them have maps of it you

2605  
01:50:25,189 --> 01:50:22,239  
know and the ecliptic plane and the the

2606  
01:50:27,189 --> 01:50:25,199  
galactic belt um you've got

2607  
01:50:28,629 --> 01:50:27,199  
all of these different civilizations the

2608  
01:50:29,669 --> 01:50:28,639  
tuatha didn't

2609  
01:50:32,070 --> 01:50:29,679  
we

2610  
01:50:33,270 --> 01:50:32,080  
the twathadenan came

2611  
01:50:36,629 --> 01:50:33,280  
as they said

2612  
01:50:39,109 --> 01:50:36,639  
to the british isles riding clouds

2613  
01:50:41,990 --> 01:50:39,119

bringing with them the four sacred

2614

01:50:43,109 --> 01:50:42,000

treasures from the three islands in the

2615

01:50:47,990 --> 01:50:43,119

sky

2616

01:50:50,629 --> 01:50:48,000

right so we we dig into these different

2617

01:50:52,790 --> 01:50:50,639

cultures and we start to realize this is

2618

01:50:54,790 --> 01:50:52,800

not just a bunch of storytelling

2619

01:50:57,270 --> 01:50:54,800

mythology these aren't just beings

2620

01:50:59,270 --> 01:50:57,280

passing stories around the fire making

2621

01:51:02,390 --> 01:50:59,280

up that something happened back in the

2622

01:51:04,310 --> 01:51:02,400

day these are people passing the stories

2623

01:51:06,709 --> 01:51:04,320

of their ancestry the truth of their

2624

01:51:09,270 --> 01:51:06,719

origins and their connection to these

2625

01:51:11,589 --> 01:51:09,280

different planets and so it's it's more

2626  
01:51:14,149 --> 01:51:11,599  
than just being visited by star nations

2627  
01:51:16,310 --> 01:51:14,159  
jimmy it looks like to me

2628  
01:51:17,109 --> 01:51:16,320  
when we really dig into it

2629  
01:51:19,990 --> 01:51:17,119  
that

2630  
01:51:22,310 --> 01:51:20,000  
much of humanity is from the stars and

2631  
01:51:25,990 --> 01:51:22,320  
that we've been hybrids of other star

2632  
01:51:28,149 --> 01:51:26,000  
species for a long long time and that

2633  
01:51:30,870 --> 01:51:28,159  
we're all actually connected to this

2634  
01:51:33,589 --> 01:51:30,880  
greater galactic family of species these

2635  
01:51:35,510 --> 01:51:33,599  
aren't aliens these aren't even really

2636  
01:51:37,109 --> 01:51:35,520  
extraterrestrials because they're you're

2637  
01:51:39,750 --> 01:51:37,119  
here too

2638  
01:51:42,950 --> 01:51:39,760

and and we're part of this much bigger

2639

01:51:45,669 --> 01:51:42,960

as i like to call it galactic family

2640

01:51:48,229 --> 01:51:45,679

is physics the same

2641

01:51:51,189 --> 01:51:48,239

throughout the universe

2642

01:51:54,070 --> 01:51:51,199

is physics the same okay and and

2643

01:51:56,149 --> 01:51:54,080

one idea behind this i just for some

2644

01:51:57,910 --> 01:51:56,159

reason i know i'm going to piss a lot of

2645

01:52:00,229 --> 01:51:57,920

people off

2646

01:52:02,790 --> 01:52:00,239

if we just go with the basics newtonian

2647

01:52:05,830 --> 01:52:02,800

physics gravity those calculations which

2648

01:52:07,430 --> 01:52:05,840

we still use today right okay we've got

2649

01:52:09,830 --> 01:52:07,440

to get to mars

2650

01:52:10,790 --> 01:52:09,840

isaac newton is is the one who's getting

2651  
01:52:14,470 --> 01:52:10,800  
us there

2652  
01:52:16,790 --> 01:52:14,480  
but is gravity and that measurement of

2653  
01:52:18,709 --> 01:52:16,800  
gravity as we understand it and how

2654  
01:52:21,270 --> 01:52:18,719  
isaac laid it out

2655  
01:52:23,830 --> 01:52:21,280  
is it the same throughout the universe

2656  
01:52:26,310 --> 01:52:23,840  
let alone our milky way is physics the

2657  
01:52:28,950 --> 01:52:26,320  
same everywhere

2658  
01:52:31,510 --> 01:52:28,960  
i would say that physics is the same

2659  
01:52:33,510 --> 01:52:31,520  
everywhere in our universe but

2660  
01:52:36,149 --> 01:52:33,520  
particular experiences of different

2661  
01:52:37,910 --> 01:52:36,159  
forces change everywhere you know the

2662  
01:52:39,350 --> 01:52:37,920  
mars has different gravity than the

2663  
01:52:41,109 --> 01:52:39,360

earth

2664

01:52:42,790 --> 01:52:41,119

and all the planets in our solar system

2665

01:52:44,790 --> 01:52:42,800

have different levels of gravity based

2666

01:52:46,870 --> 01:52:44,800

on their size and their density and all

2667

01:52:49,350 --> 01:52:46,880

that stuff and so

2668

01:52:51,430 --> 01:52:49,360

is it possible that there are

2669

01:52:54,390 --> 01:52:51,440

planets in the goldilocks zone as you

2670

01:52:56,470 --> 01:52:54,400

say you know around this galaxy that

2671

01:52:58,790 --> 01:52:56,480

experience a very different physics and

2672

01:53:01,109 --> 01:52:58,800

evolution of species than us absolutely

2673

01:53:02,870 --> 01:53:01,119

yes some planets will have much heavier

2674

01:53:05,830 --> 01:53:02,880

gravitational fields

2675

01:53:08,550 --> 01:53:05,840

body types body strength body structure

2676

01:53:10,950 --> 01:53:08,560

is going to adapt to that you know

2677

01:53:12,950 --> 01:53:10,960

there's a sweet spot for gravity and

2678

01:53:15,430 --> 01:53:12,960

size of planet just like their sweet

2679

01:53:17,270 --> 01:53:15,440

spots for for other things you know the

2680

01:53:19,030 --> 01:53:17,280

amount of water the amount of light that

2681

01:53:19,750 --> 01:53:19,040

you know the sun's distance and all of

2682

01:53:21,510 --> 01:53:19,760

that

2683

01:53:24,310 --> 01:53:21,520

and and so

2684

01:53:25,589 --> 01:53:24,320

you know based on the kind of local

2685

01:53:28,070 --> 01:53:25,599

conditions

2686

01:53:30,629 --> 01:53:28,080

of a planet including by the way the

2687

01:53:34,070 --> 01:53:30,639

color of the star that they're around so

2688

01:53:36,629 --> 01:53:34,080

the pleiadians all have blue stars

2689

01:53:39,189 --> 01:53:36,639

around them right so

2690

01:53:41,750 --> 01:53:39,199

could it be a mistake or a coincidence

2691

01:53:43,830 --> 01:53:41,760

that the earliest people channeling the

2692

01:53:45,750 --> 01:53:43,840

pleiadians or having experiences and

2693

01:53:47,990 --> 01:53:45,760

visions with them all saw them as blue

2694

01:53:50,070 --> 01:53:48,000

skinned beings that these blue skinned

2695

01:53:52,229 --> 01:53:50,080

beings started telling them they're from

2696

01:53:54,629 --> 01:53:52,239

this star cluster

2697

01:53:57,030 --> 01:53:54,639

no it's not that coincidental because

2698

01:53:59,910 --> 01:53:57,040

that just makes sense that's physics you

2699

01:54:02,629 --> 01:53:59,920

know like you you adapt your skin

2700

01:54:05,030 --> 01:54:02,639

to meet the light of the star that you

2701  
01:54:07,350 --> 01:54:05,040  
have you know and your environment is

2702  
01:54:10,790 --> 01:54:07,360  
going to help determine that as well and

2703  
01:54:13,750 --> 01:54:10,800  
so so we have different skin types and

2704  
01:54:16,550 --> 01:54:13,760  
different body types and even you know

2705  
01:54:19,030 --> 01:54:16,560  
vastly different types beyond humanoid

2706  
01:54:20,790 --> 01:54:19,040  
that exist in different planets all

2707  
01:54:23,430 --> 01:54:20,800  
across this galaxy

2708  
01:54:25,750 --> 01:54:23,440  
that emerge from the physics of that

2709  
01:54:27,350 --> 01:54:25,760  
world although it's all the same it's

2710  
01:54:29,830 --> 01:54:27,360  
all the same physics it's just there's

2711  
01:54:32,310 --> 01:54:29,840  
different local physics that are going

2712  
01:54:34,070 --> 01:54:32,320  
on in that position and and so help me

2713  
01:54:35,669 --> 01:54:34,080

understand this and we'll pick up when

2714

01:54:37,510 --> 01:54:35,679

we come back after the break we've got

2715

01:54:41,510 --> 01:54:37,520

about four minutes

2716

01:54:43,350 --> 01:54:41,520

in that our calculations that it doesn't

2717

01:54:46,070 --> 01:54:43,360

matter if we're talking about einstein

2718

01:54:48,550 --> 01:54:46,080

newton brian green string theory

2719

01:54:51,910 --> 01:54:48,560

our calculations and those algorithms

2720

01:54:54,149 --> 01:54:51,920

are based on our locality our

2721

01:54:56,870 --> 01:54:54,159

understanding of what gravity would mean

2722

01:54:59,750 --> 01:54:56,880

as you plug this in and these numbers

2723

01:55:01,510 --> 01:54:59,760

et arrives here and they start giving us

2724

01:55:03,830 --> 01:55:01,520

their information

2725

01:55:05,750 --> 01:55:03,840

but it is based on

2726

01:55:08,390 --> 01:55:05,760

their calculations and their

2727

01:55:10,390 --> 01:55:08,400

understanding of physics wherever they

2728

01:55:13,430 --> 01:55:10,400

are from right we couldn't necessarily

2729

01:55:15,990 --> 01:55:13,440

just plug in our numbers or understand

2730

01:55:18,390 --> 01:55:16,000

what they are trying to tell us

2731

01:55:21,510 --> 01:55:18,400

now is it because i'm just not that

2732

01:55:22,950 --> 01:55:21,520

smart or is that a consideration we have

2733

01:55:24,790 --> 01:55:22,960

to think about

2734

01:55:27,510 --> 01:55:24,800

um i think that what you're bringing

2735

01:55:29,510 --> 01:55:27,520

forward is a valid point in the

2736

01:55:32,310 --> 01:55:29,520

consideration of

2737

01:55:34,950 --> 01:55:32,320

understanding cultural perspectives

2738

01:55:37,270 --> 01:55:34,960

cultural dynamics the importance of

2739

01:55:39,189 --> 01:55:37,280

certain kinds of mathematical proofs the

2740

01:55:40,470 --> 01:55:39,199

certain approaches that these species

2741

01:55:43,350 --> 01:55:40,480

take

2742

01:55:45,510 --> 01:55:43,360

but i will say jimmy that you know there

2743

01:55:47,830 --> 01:55:45,520

are some foundations here we can go on

2744

01:55:50,550 --> 01:55:47,840

which is that you know when we talk

2745

01:55:53,750 --> 01:55:50,560

about a constant you know mathematical

2746

01:55:55,830 --> 01:55:53,760

constants for example um and we we deal

2747

01:55:58,310 --> 01:55:55,840

with physics constants that are based on

2748

01:56:00,470 --> 01:55:58,320

those mathematical constants essentially

2749

01:56:01,510 --> 01:56:00,480

what we're talking about is a universal

2750

01:56:04,229 --> 01:56:01,520

constant

2751

01:56:06,149 --> 01:56:04,239

something that exists the way it is and

2752

01:56:07,830 --> 01:56:06,159

operates the way it does regardless of

2753

01:56:09,189 --> 01:56:07,840

what planet you're on wherever you are

2754

01:56:11,910 --> 01:56:09,199

in the universe whatever part of the

2755

01:56:12,950 --> 01:56:11,920

galaxy it doesn't matter and certain

2756

01:56:15,430 --> 01:56:12,960

things

2757

01:56:17,910 --> 01:56:15,440

you can kind of logically immediately

2758

01:56:20,149 --> 01:56:17,920

come to the conclusion operate like that

2759

01:56:23,030 --> 01:56:20,159

like for example a circle

2760

01:56:25,350 --> 01:56:23,040

on earth is defined by the mathematical

2761

01:56:28,709 --> 01:56:25,360

constant of pi right

2762

01:56:30,870 --> 01:56:28,719

but a circle is a circle wherever it is

2763

01:56:34,229 --> 01:56:30,880

in the universe if you're measuring a

2764

01:56:36,790 --> 01:56:34,239

circular zone or a radius around a point

2765

01:56:38,790 --> 01:56:36,800

then essentially you're going to find pi

2766

01:56:41,030 --> 01:56:38,800

no matter where you are on whatever

2767

01:56:42,390 --> 01:56:41,040

planet in whatever star system the same

2768

01:56:44,470 --> 01:56:42,400

is true for phi

2769

01:56:46,550 --> 01:56:44,480

the same is true for alpha alpha

2770

01:56:49,669 --> 01:56:46,560

maceroni all of these mathematical

2771

01:56:51,910 --> 01:56:49,679

constants are connected to

2772

01:56:53,510 --> 01:56:51,920

fundamental dynamics in the physical

2773

01:56:56,470 --> 01:56:53,520

world and

2774

01:56:59,030 --> 01:56:56,480

these dynamics that we experience these

2775

01:57:01,510 --> 01:56:59,040

are universal language and so you could

2776

01:57:03,910 --> 01:57:01,520

say and i think there have been uh many

2777

01:57:06,070 --> 01:57:03,920

people over time that have said you know

2778

01:57:08,390 --> 01:57:06,080

mathematics is ultimately the universal

2779

01:57:09,910 --> 01:57:08,400

language and you know robert grant used

2780

01:57:11,270 --> 01:57:09,920

to say that a lot when i worked with him

2781

01:57:12,950 --> 01:57:11,280

and he's like you know everything comes

2782

01:57:15,189 --> 01:57:12,960

down to math if we want to talk to

2783

01:57:18,070 --> 01:57:15,199

galactic beings we need to know math and

2784

01:57:19,589 --> 01:57:18,080

he's like you know super arcturian dude

2785

01:57:21,510 --> 01:57:19,599

so he's like you know this stuff comes

2786

01:57:23,109 --> 01:57:21,520

from other star systems anyway we're

2787

01:57:25,350 --> 01:57:23,119

just solving the puzzles that are

2788

01:57:27,990 --> 01:57:25,360

already here and they're already part of

2789

01:57:30,470 --> 01:57:28,000

us and discovering more of who we are

2790

01:57:32,870 --> 01:57:30,480

and and so yeah like

2791

01:57:34,310 --> 01:57:32,880

mathematics is a fundamental to language

2792

01:57:37,270 --> 01:57:34,320

because if you

2793

01:57:38,470 --> 01:57:37,280

essentially take any you know three

2794

01:57:40,790 --> 01:57:38,480

things

2795

01:57:43,589 --> 01:57:40,800

everybody can agree that there's three

2796

01:57:45,589 --> 01:57:43,599

things you don't have to know english to

2797

01:57:49,350 --> 01:57:45,599

know there's three things you might call

2798

01:57:53,430 --> 01:57:49,360

the three things you know um

2799

01:57:55,669 --> 01:57:53,440

trois or you could call it like uh trese

2800

01:57:57,910 --> 01:57:55,679

or you could call it three or you could

2801  
01:57:59,910 --> 01:57:57,920  
call it you know any other language but

2802  
01:58:01,430 --> 01:57:59,920  
it's still three things

2803  
01:58:03,270 --> 01:58:01,440  
and a triangle is a triangle as a

2804  
01:58:05,030 --> 01:58:03,280  
triangle a circle is a circle a square

2805  
01:58:08,229 --> 01:58:05,040  
is a square it doesn't matter what

2806  
01:58:10,390 --> 01:58:08,239  
language you're talking about and so for

2807  
01:58:13,030 --> 01:58:10,400  
me and my work with with galactic

2808  
01:58:15,350 --> 01:58:13,040  
species and in developing contact

2809  
01:58:17,910 --> 01:58:15,360  
capacities and experiences i realized a

2810  
01:58:20,310 --> 01:58:17,920  
long time ago that a lot of it has to do

2811  
01:58:21,589 --> 01:58:20,320  
with light language in other words how

2812  
01:58:26,070 --> 01:58:21,599  
the mind

2813  
01:58:29,109 --> 01:58:26,080

visualizes and sees geometry information

2814

01:58:31,589 --> 01:58:29,119

light harmonics meaning colors and that

2815

01:58:33,589 --> 01:58:31,599

that can contain so much more

2816

01:58:34,390 --> 01:58:33,599

information than just words that we

2817

01:58:35,910 --> 01:58:34,400

speak

2818

01:58:37,510 --> 01:58:35,920

it's almost like communicating with the

2819

01:58:39,910 --> 01:58:37,520

language of dreams

2820

01:58:42,229 --> 01:58:39,920

if you can see it and you could share

2821

01:58:45,430 --> 01:58:42,239

what you see with somebody else then

2822

01:58:48,070 --> 01:58:45,440

suddenly there is this deeper telepathic

2823

01:58:49,589 --> 01:58:48,080

communication that goes on and that

2824

01:58:51,430 --> 01:58:49,599

language is

2825

01:58:53,430 --> 01:58:51,440

essentially universal yeah it's

2826

01:58:55,910 --> 01:58:53,440

vibration it's not words from the

2827

01:58:58,149 --> 01:58:55,920

webster dictionary where we find

2828

01:59:00,310 --> 01:58:58,159

ourselves completely limited as a matter

2829

01:59:02,950 --> 01:59:00,320

of fact we're using the wrong words all

2830

01:59:04,629 --> 01:59:02,960

the time to describe the situation let's

2831

01:59:06,870 --> 01:59:04,639

take our break right here this is fade

2832

01:59:08,229 --> 01:59:06,880

to black i guess tonight adam apollo

2833

01:59:09,270 --> 01:59:08,239

we're talking about the physics of

2834

01:59:11,830 --> 01:59:09,280

everything

2835

01:59:13,270 --> 01:59:11,840

what would an extraterrestrial

2836

01:59:15,990 --> 01:59:13,280

civilization

2837

01:59:17,830 --> 01:59:16,000

use to get here to travel the stars all

2838

01:59:23,260 --> 01:59:17,840

of that and much more when we come back

2839

01:59:36,470 --> 01:59:32,490

[Music]

2840

01:59:39,910 --> 01:59:36,480

your 1 million gigawatt paranormal

2841

01:59:41,589 --> 01:59:39,920

powerhouse kumx db

2842

01:59:43,270 --> 01:59:41,599

the x

2843

01:59:45,910 --> 01:59:43,280

are you ready to read about true

2844

01:59:48,709 --> 01:59:45,920

paranormal events onex media publishes

2845

01:59:51,109 --> 01:59:48,719

non-fiction books about ufos ghosts and

2846

01:59:54,390 --> 01:59:51,119

haunted places time anomalies cryptid

2847

01:59:56,550 --> 01:59:54,400

creatures and more just like k-u-n-x-d-b

2848

01:59:59,550 --> 01:59:56,560

radio it's all about unexplained

2849

02:00:01,510 --> 01:59:59,560

phenomena visit

2850

02:00:03,750 --> 02:00:01,520

[www.unxmedia.com](http://www.unxmedia.com) to see our list of

2851  
02:00:06,390 --> 02:00:03,760  
great book titles by debbie zigglemeyer

2852  
02:00:08,950 --> 02:00:06,400  
gene walker devin listrom wayne lawrence

2853  
02:00:12,790 --> 02:00:08,960  
bill spicer and yours truly margie k

2854  
02:00:17,589 --> 02:00:14,790  
life change tea has a great offer for

2855  
02:00:21,030 --> 02:00:17,599  
you right now the three pack special

2856  
02:00:24,070 --> 02:00:21,040  
save 15 on their popular flavor pack of

2857  
02:00:26,790 --> 02:00:24,080  
super tea get all three flavors original

2858  
02:00:29,270 --> 02:00:26,800  
peppermint and pomegranate life change

2859  
02:00:31,910 --> 02:00:29,280  
tea tastes great it's an all natural

2860  
02:00:34,070 --> 02:00:31,920  
gentle cleanse with a unique blend of 12

2861  
02:00:37,109 --> 02:00:34,080  
herbs that helps keep your digestive

2862  
02:00:40,310 --> 02:00:37,119  
tract clean clear and healthy and it's

2863  
02:00:43,270 --> 02:00:40,320

so easy to make just brew steep

2864

02:00:45,589 --> 02:00:43,280

refrigerate and drink serve hot or cold

2865

02:00:48,149 --> 02:00:45,599

and one to two servings a day is all you

2866

02:00:50,870 --> 02:00:48,159

need you take care of the outside do the

2867

02:00:52,550 --> 02:00:50,880

same for your inside life change tea is

2868

02:01:08,310 --> 02:00:52,560

made right here in the united states and

2869

02:01:08,320 --> 02:01:11,669

forward-slash-f2b

2870

02:01:16,870 --> 02:01:13,510

this is jimmy church of fade to black

2871

02:01:20,070 --> 02:01:16,880

and i only drink fade to black blend

2872

02:01:21,669 --> 02:01:20,080

coffee from river moon just click on the

2873

02:01:23,430 --> 02:01:21,679

river moon coffee banner at

2874

02:01:27,510 --> 02:01:23,440

jimmychurchradio.com

2875

02:01:30,149 --> 02:01:27,520

promo code f2b blend

2876

02:01:35,510 --> 02:01:30,159

this is the only way

2877

02:01:39,350 --> 02:01:37,750

this is billy carson founder and ceo of

2878

02:01:41,510 --> 02:01:39,360

forbidden knowledge and we're heading to

2879

02:01:43,030 --> 02:01:41,520

egypt this october come join jimmy

2880

02:01:44,550 --> 02:01:43,040

church myself and the forbidden

2881

02:01:46,550 --> 02:01:44,560

knowledge team as we spend a week

2882

02:01:49,350 --> 02:01:46,560

exploring giza the great sphinx the

2883

02:01:51,189 --> 02:01:49,360

great pyramid takara shure aswan edfu

2884

02:01:53,350 --> 02:01:51,199

dindara karnak and will celebrate

2885

02:01:55,270 --> 02:01:53,360

jimmy's birthday in luxor the forbidden

2886

02:01:57,350 --> 02:01:55,280

tour of egypt is this october 5th

2887

02:01:59,350 --> 02:01:57,360

through the 12th and includes a four-day

2888

02:02:01,270 --> 02:01:59,360

now cruise expert egyptologist and a

2889

02:02:02,790 --> 02:02:01,280

chance to explore egypt with jimmy and i

2890

02:02:05,109 --> 02:02:02,800

as your host through your journey of a

2891

02:02:07,430 --> 02:02:05,119

lifetime space is limited so make your

2892

02:02:09,109 --> 02:02:07,440

reservations now please visit forbidden

2893

02:02:11,109 --> 02:02:09,119

knowledge.com for information and

2894

02:02:16,390 --> 02:02:11,119

complete itinerary that's forbidden

2895

02:02:22,790 --> 02:02:18,229

this is jimmy church of fade to black

2896

02:02:25,510 --> 02:02:22,800

and this year june 18th 2022

2897

02:02:28,070 --> 02:02:25,520

the disclosure fest foundation presents

2898

02:02:31,669 --> 02:02:28,080

the mass meditation initiative it's

2899

02:02:34,229 --> 02:02:31,679

saturday june 18th from 10 a.m to 10 p.m

2900

02:02:36,709 --> 02:02:34,239

one day only at the los angeles state

2901  
02:02:39,910 --> 02:02:36,719  
historic park in downtown los angeles

2902  
02:02:42,229 --> 02:02:39,920  
california right next to chinatown i'm

2903  
02:02:44,229 --> 02:02:42,239  
hosting the event again this year with

2904  
02:02:48,149 --> 02:02:44,239  
music performances by

2905  
02:02:51,430 --> 02:02:48,159  
trevor hall the desert dwellers orondee

2906  
02:02:54,950 --> 02:02:51,440  
and many many more on four separate

2907  
02:02:58,149 --> 02:02:54,960  
stages there's 16 stages in total over

2908  
02:03:00,870 --> 02:02:58,159  
30 acres in downtown los angeles with

2909  
02:03:03,350 --> 02:03:00,880  
vendors and tents and presentations and

2910  
02:03:05,990 --> 02:03:03,360  
workshops with billy carson adam apollo

2911  
02:03:08,310 --> 02:03:06,000  
lori spania laura eisenhower brattles

2912  
02:03:11,229 --> 02:03:08,320  
and david palmer and many many more it's

2913  
02:03:13,030 --> 02:03:11,239

all simple to do just go to

2914

02:03:14,709 --> 02:03:13,040

disclosurefest.org for all of your

2915

02:03:17,910 --> 02:03:14,719

tickets information and the full

2916

02:03:20,360 --> 02:03:17,920

schedule of the day's events again

2917

02:03:32,950 --> 02:03:20,370

disclosurefast.org

2918

02:03:38,390 --> 02:03:34,790

you want to know a secret

2919

02:03:39,910 --> 02:03:38,400

i love police

2920

02:03:42,149 --> 02:03:39,920

i'm serious

2921

02:03:43,510 --> 02:03:42,159

i couldn't stay sane without pulling mr

2922

02:03:45,589 --> 02:03:43,520

brush

2923

02:03:52,069 --> 02:03:45,599

why fade to black

2924

02:03:58,060 --> 02:03:54,310

this is fade to black with jimmy church

2925

02:04:09,189 --> 02:03:58,070

on the game changer radio network

2926

02:04:11,589 --> 02:04:09,199

[Music]

2927

02:04:13,430 --> 02:04:11,599

all right welcome back fade to black i

2928

02:04:15,990 --> 02:04:13,440

am your host jimmy church our guest

2929

02:04:18,149 --> 02:04:16,000

tonight adam apollo

2930

02:04:20,550 --> 02:04:18,159

and and we're talking about the physics

2931

02:04:23,189 --> 02:04:20,560

of extraterrestrial civilizations i was

2932

02:04:24,950 --> 02:04:23,199

watching adam in the chat and and here's

2933

02:04:26,790 --> 02:04:24,960

the deal adam uh

2934

02:04:29,510 --> 02:04:26,800

they're they're they're trying to seize

2935

02:04:32,470 --> 02:04:29,520

control of this show oh no

2936

02:04:34,629 --> 02:04:32,480

no no it stays right here i ask the

2937

02:04:35,990 --> 02:04:34,639

questions but

2938

02:04:38,709 --> 02:04:36,000

um

2939

02:04:41,109 --> 02:04:38,719

there's one thing that i get a little

2940

02:04:42,310 --> 02:04:41,119

bit confused about i get confused about

2941

02:04:43,510 --> 02:04:42,320

a lot of things

2942

02:04:45,910 --> 02:04:43,520

but um

2943

02:04:49,589 --> 02:04:45,920

we now know

2944

02:04:51,669 --> 02:04:49,599

that the universe space is expanding

2945

02:04:53,030 --> 02:04:51,679

at faster than the speed of light and

2946

02:04:54,790 --> 02:04:53,040

depending on where you are in the

2947

02:04:56,950 --> 02:04:54,800

universe it may be a little less than

2948

02:04:59,589 --> 02:04:56,960

the speed of light and then there's an

2949

02:05:01,669 --> 02:04:59,599

event horizon going on out there in at

2950

02:05:04,069 --> 02:05:01,679

the edge of the universe uh faster than

2951  
02:05:07,910 --> 02:05:04,079  
the speed of light galaxies are dropping

2952  
02:05:08,709 --> 02:05:07,920  
off and from our point here

2953  
02:05:10,790 --> 02:05:08,719  
uh

2954  
02:05:12,950 --> 02:05:10,800  
we don't even know the size of the

2955  
02:05:15,350 --> 02:05:12,960  
universe if it's expanding at the speed

2956  
02:05:17,669 --> 02:05:15,360  
of light and things are moving away from

2957  
02:05:19,669 --> 02:05:17,679  
us we no longer see that

2958  
02:05:21,910 --> 02:05:19,679  
and that so that's a very intriguing

2959  
02:05:23,109 --> 02:05:21,920  
part for me but this is what i don't

2960  
02:05:26,629 --> 02:05:23,119  
understand

2961  
02:05:27,510 --> 02:05:26,639  
if space is expanding at the speed of

2962  
02:05:29,270 --> 02:05:27,520  
light

2963  
02:05:33,030 --> 02:05:29,280

what happens

2964

02:05:34,550 --> 02:05:33,040

relative uh to that position versus our

2965

02:05:37,510 --> 02:05:34,560

position

2966

02:05:38,870 --> 02:05:37,520

what is what is going on with physics at

2967

02:05:41,350 --> 02:05:38,880

at that point

2968

02:05:44,470 --> 02:05:41,360

right if it is it you know if you're

2969

02:05:46,629 --> 02:05:44,480

relative there yeah uh the best way to

2970

02:05:47,990 --> 02:05:46,639

explain it the way that i understand if

2971

02:05:49,669 --> 02:05:48,000

you're traveling down a river you're

2972

02:05:51,910 --> 02:05:49,679

next to another boat

2973

02:05:55,030 --> 02:05:51,920

okay all right you guys are traveling at

2974

02:05:57,510 --> 02:05:55,040

the same speed so if we are in that

2975

02:05:58,709 --> 02:05:57,520

position of the universe

2976

02:06:01,990 --> 02:05:58,719

we are

2977

02:06:04,870 --> 02:06:02,000

expanding and moving on along in space

2978

02:06:07,430 --> 02:06:04,880

with so it's not we're not moving at the

2979

02:06:09,270 --> 02:06:07,440

speed of light we're not seeing things

2980

02:06:12,390 --> 02:06:09,280

drop off and we are traveling at the

2981

02:06:15,189 --> 02:06:12,400

same speed but from our perspective

2982

02:06:17,750 --> 02:06:15,199

looking out it's not the same what

2983

02:06:19,510 --> 02:06:17,760

happens to physics then as we understand

2984

02:06:21,510 --> 02:06:19,520

it

2985

02:06:23,750 --> 02:06:21,520

yeah well there's a whole bunch of

2986

02:06:26,149 --> 02:06:23,760

issues and and problems with this whole

2987

02:06:28,149 --> 02:06:26,159

approach it gets a lot deeper and more

2988

02:06:31,510 --> 02:06:28,159

complicated um

2989

02:06:32,709 --> 02:06:31,520

because a lot of our study of universal

2990

02:06:35,030 --> 02:06:32,719

expansion

2991

02:06:38,069 --> 02:06:35,040

uh is essentially based on

2992

02:06:40,870 --> 02:06:38,079

one fundamental assumption which is that

2993

02:06:43,270 --> 02:06:40,880

all redshift is occurring

2994

02:06:44,870 --> 02:06:43,280

due to space times expansion and the

2995

02:06:47,589 --> 02:06:44,880

objects are moving away from us because

2996

02:06:48,629 --> 02:06:47,599

of space time expanding

2997

02:06:51,510 --> 02:06:48,639

which is

2998

02:06:54,229 --> 02:06:51,520

a perfectly logical and potentially true

2999

02:06:57,510 --> 02:06:54,239

scenario there are also

3000

02:06:59,830 --> 02:06:57,520

of course other scenarios for redshift

3001

02:07:02,870 --> 02:06:59,840

that we could be witnessing

3002

02:07:04,870 --> 02:07:02,880

for example we noticed that

3003

02:07:07,510 --> 02:07:04,880

expansion and contraction of spacetime

3004

02:07:08,790 --> 02:07:07,520

in other words gravitational lensing

3005

02:07:11,430 --> 02:07:08,800

can affect

3006

02:07:12,950 --> 02:07:11,440

redshift and blueshift so

3007

02:07:15,270 --> 02:07:12,960

some of our calculations could be

3008

02:07:17,910 --> 02:07:15,280

distorted by gravitational lensing

3009

02:07:19,990 --> 02:07:17,920

within space-time um

3010

02:07:23,350 --> 02:07:20,000

the other problem is that when we look

3011

02:07:25,510 --> 02:07:23,360

distantly into any point space in the

3012

02:07:28,069 --> 02:07:25,520

universe you pick a pinpoint in the sky

3013

02:07:30,550 --> 02:07:28,079

you zoom in on it you look at it

3014

02:07:33,589 --> 02:07:30,560

you are looking into the past

3015

02:07:35,669 --> 02:07:33,599

and as we look into the past and we zoom

3016

02:07:37,910 --> 02:07:35,679

in we see like thousands of galaxies in

3017

02:07:39,910 --> 02:07:37,920

a tiny pin prick in the sky and we zoom

3018

02:07:42,069 --> 02:07:39,920

in closer and closer and closer the

3019

02:07:43,669 --> 02:07:42,079

farthest we can see the deepest deep

3020

02:07:45,750 --> 02:07:43,679

field images

3021

02:07:48,629 --> 02:07:45,760

we're essentially seeing

3022

02:07:50,950 --> 02:07:48,639

so far back in time that we should be

3023

02:07:52,229 --> 02:07:50,960

looking at the origins of the universe

3024

02:07:53,430 --> 02:07:52,239

right

3025

02:07:55,830 --> 02:07:53,440

and so

3026  
02:07:59,270 --> 02:07:55,840  
but what is the origins of the universe

3027  
02:08:00,790 --> 02:07:59,280  
in that direction in that vector right

3028  
02:08:02,709 --> 02:08:00,800  
like i want you to take account for the

3029  
02:08:03,750 --> 02:08:02,719  
fact that you're looking in a particular

3030  
02:08:05,030 --> 02:08:03,760  
vector

3031  
02:08:07,669 --> 02:08:05,040  
in space

3032  
02:08:09,510 --> 02:08:07,679  
looking back in time because light is

3033  
02:08:11,830 --> 02:08:09,520  
having to travel from those things all

3034  
02:08:14,790 --> 02:08:11,840  
the way to us but

3035  
02:08:16,390 --> 02:08:14,800  
if this if the universe is expanding

3036  
02:08:19,030 --> 02:08:16,400  
faster than the speed of light in this

3037  
02:08:21,109 --> 02:08:19,040  
massive expansion process well then that

3038  
02:08:23,109 --> 02:08:21,119

light would have left those things a lot

3039

02:08:25,109 --> 02:08:23,119

earlier wouldn't it

3040

02:08:27,430 --> 02:08:25,119

because if the universe is expanding

3041

02:08:30,390 --> 02:08:27,440

that light would have gotten to us long

3042

02:08:31,910 --> 02:08:30,400

before this object is even farther away

3043

02:08:35,189 --> 02:08:31,920

correct so

3044

02:08:37,830 --> 02:08:35,199

everything is in this highly dynamic

3045

02:08:40,709 --> 02:08:37,840

relative motion to everything else i

3046

02:08:43,589 --> 02:08:40,719

mean even the idea of how fast we're

3047

02:08:45,910 --> 02:08:43,599

moving is kind of a ridiculous thing to

3048

02:08:48,390 --> 02:08:45,920

even start to construct because for

3049

02:08:50,229 --> 02:08:48,400

example right now this is one of the

3050

02:08:52,229 --> 02:08:50,239

thought experience i love to play with

3051  
02:08:54,229 --> 02:08:52,239  
my students and you know your audience

3052  
02:08:56,709 --> 02:08:54,239  
will probably dig it it's like if you're

3053  
02:08:59,430 --> 02:08:56,719  
sitting down listening to this

3054  
02:09:01,510 --> 02:08:59,440  
and you're facing east on that couch or

3055  
02:09:03,030 --> 02:09:01,520  
in that chair or wherever you're like

3056  
02:09:05,270 --> 02:09:03,040  
tuning into this thing

3057  
02:09:08,390 --> 02:09:05,280  
you are literally riding the surface of

3058  
02:09:10,390 --> 02:09:08,400  
the earth a thousand miles an hour in

3059  
02:09:12,870 --> 02:09:10,400  
the direction towards the sunrise right

3060  
02:09:15,030 --> 02:09:12,880  
now you're just cruising along

3061  
02:09:16,550 --> 02:09:15,040  
right oh boy the flat earthers had a fun

3062  
02:09:18,550 --> 02:09:16,560  
one with this one because they're like

3063  
02:09:21,189 --> 02:09:18,560

oh my god well that would mean the

3064

02:09:22,950 --> 02:09:21,199

oceans would fly off the earth right if

3065

02:09:24,870 --> 02:09:22,960

the earth was round it was like

3066

02:09:26,870 --> 02:09:24,880

everything's gonna fly off of it because

3067

02:09:29,350 --> 02:09:26,880

it's the spinning ball these stupid

3068

02:09:31,430 --> 02:09:29,360

people right is what they say to the

3069

02:09:32,950 --> 02:09:31,440

physicists and the scientists and the

3070

02:09:34,390 --> 02:09:32,960

physicists and the scientists are going

3071

02:09:36,229 --> 02:09:34,400

uh

3072

02:09:38,149 --> 02:09:36,239

i don't think you realize just how big

3073

02:09:44,229 --> 02:09:38,159

the earth is

3074

02:09:46,950 --> 02:09:44,239

feeling that you have when you drop your

3075

02:09:50,229 --> 02:09:46,960

arm yes that's enough to keep the oceans

3076

02:09:52,550 --> 02:09:50,239

down because the oceans weigh

3077

02:09:54,629 --> 02:09:52,560

you know hundreds of trillions of pounds

3078

02:09:57,109 --> 02:09:54,639

you know essentially so like there's

3079

02:09:59,109 --> 02:09:57,119

like massive amount of weight there

3080

02:10:01,030 --> 02:09:59,119

and so we're traveling a thousand miles

3081

02:10:03,109 --> 02:10:01,040

an hour but we can't even tell because

3082

02:10:05,510 --> 02:10:03,119

all of the space time including the air

3083

02:10:08,629 --> 02:10:05,520

the atmosphere all the way out to the

3084

02:10:10,629 --> 02:10:08,639

outer atmosphere new spheric level is is

3085

02:10:12,790 --> 02:10:10,639

essentially traveling with the earth

3086

02:10:15,350 --> 02:10:12,800

space is moving with the surface of the

3087

02:10:17,910 --> 02:10:15,360

earth traveling right but we're also

3088

02:10:20,310 --> 02:10:17,920

hurtling around the sun

3089

02:10:22,870 --> 02:10:20,320

at 64 000 miles an hour

3090

02:10:24,870 --> 02:10:22,880

right so we're like cruising around the

3091

02:10:26,709 --> 02:10:24,880

sun it might be 67 i can't remember

3092

02:10:28,790 --> 02:10:26,719

exactly the numbers all the time but

3093

02:10:31,109 --> 02:10:28,800

we're cruising around the sun

3094

02:10:33,109 --> 02:10:31,119

you know we're going faster in our

3095

02:10:34,550 --> 02:10:33,119

traveling around the sun than any of us

3096

02:10:37,430 --> 02:10:34,560

have even imagined that we could

3097

02:10:40,390 --> 02:10:37,440

possibly go right and then there's a new

3098

02:10:42,149 --> 02:10:40,400

estimate for the earth or the sun

3099

02:10:43,109 --> 02:10:42,159

traveling around like the speed of the

3100

02:10:44,950 --> 02:10:43,119

sun

3101  
02:10:46,790 --> 02:10:44,960  
around the galaxy i'll have to look this

3102  
02:10:48,229 --> 02:10:46,800  
one up because there's actually a new

3103  
02:10:51,669 --> 02:10:48,239  
estimate for this

3104  
02:10:56,149 --> 02:10:51,679  
but yeah it's essentially believed to be

3105  
02:10:59,430 --> 02:10:56,159  
around 150 miles a second

3106  
02:11:00,709 --> 02:10:59,440  
that's that's half a million miles an

3107  
02:11:05,910 --> 02:11:00,719  
hour

3108  
02:11:09,189 --> 02:11:05,920  
cruising around the galaxy but why don't

3109  
02:11:10,870 --> 02:11:09,199  
we notice we can't tell because space is

3110  
02:11:13,589 --> 02:11:10,880  
huge

3111  
02:11:16,229 --> 02:11:13,599  
and we're all co-moving and the space

3112  
02:11:19,510 --> 02:11:16,239  
around the sun is moving it's not just

3113  
02:11:22,229 --> 02:11:19,520

the sun moving through space it's space

3114

02:11:24,870 --> 02:11:22,239

moving and the sun is moving with it and

3115

02:11:27,189 --> 02:11:24,880

all of the space is vortexing around the

3116

02:11:29,830 --> 02:11:27,199

sun and all the planets are moving in

3117

02:11:31,910 --> 02:11:29,840

that space and all the moons are moving

3118

02:11:33,189 --> 02:11:31,920

in that space it's like a bunch of

3119

02:11:35,030 --> 02:11:33,199

whirlpools

3120

02:11:36,470 --> 02:11:35,040

around black holes

3121

02:11:38,790 --> 02:11:36,480

all traveling

3122

02:11:41,669 --> 02:11:38,800

you know in this incredible dance that's

3123

02:11:44,310 --> 02:11:41,679

moving extraordinarily fast all the time

3124

02:11:46,629 --> 02:11:44,320

and so how fast is the galaxy moving

3125

02:11:49,189 --> 02:11:46,639

related to the laniakea cluster i don't

3126  
02:11:50,709 --> 02:11:49,199  
think there's a really good exact number

3127  
02:11:52,390 --> 02:11:50,719  
i think there's some rough estimates on

3128  
02:11:54,950 --> 02:11:52,400  
that one

3129  
02:11:58,310 --> 02:11:54,960  
and so if you continue adding that up

3130  
02:11:59,830 --> 02:11:58,320  
and looking at universal expansion

3131  
02:12:01,430 --> 02:11:59,840  
are we going the speed of light is

3132  
02:12:03,510 --> 02:12:01,440  
everything going the speed of light what

3133  
02:12:05,510 --> 02:12:03,520  
the heck is the speed of light how do

3134  
02:12:06,709 --> 02:12:05,520  
you even relatively

3135  
02:12:09,430 --> 02:12:06,719  
understand

3136  
02:12:11,270 --> 02:12:09,440  
light speed versus anything else when

3137  
02:12:12,950 --> 02:12:11,280  
everything is moving relative to

3138  
02:12:16,069 --> 02:12:12,960

everything else this is getting

3139

02:12:17,189 --> 02:12:16,079

philosophical right but essentially we

3140

02:12:18,149 --> 02:12:17,199

know

3141

02:12:21,589 --> 02:12:18,159

only

3142

02:12:23,109 --> 02:12:21,599

that light moves at a certain speed that

3143

02:12:25,109 --> 02:12:23,119

we perceive

3144

02:12:26,310 --> 02:12:25,119

relative to us

3145

02:12:27,990 --> 02:12:26,320

that's it

3146

02:12:30,390 --> 02:12:28,000

that's all we really know

3147

02:12:31,350 --> 02:12:30,400

that it changes when you put it in water

3148

02:12:33,990 --> 02:12:31,360

you know

3149

02:12:37,030 --> 02:12:34,000

but but but that's what we can know

3150

02:12:39,589 --> 02:12:37,040

because we are in relativity to

3151  
02:12:41,910 --> 02:12:39,599  
everything else including light and most

3152  
02:12:43,990 --> 02:12:41,920  
especially light because as we know

3153  
02:12:46,229 --> 02:12:44,000  
light operates very differently than

3154  
02:12:48,629 --> 02:12:46,239  
everything else it's perceived as going

3155  
02:12:51,109 --> 02:12:48,639  
the same speed no matter how fast you're

3156  
02:12:54,229 --> 02:12:51,119  
going and that's because space-time

3157  
02:12:56,310 --> 02:12:54,239  
itself is dilating time and bending

3158  
02:12:58,390 --> 02:12:56,320  
light the curvature of space is

3159  
02:13:00,790 --> 02:12:58,400  
affecting all of this

3160  
02:13:08,629 --> 02:13:00,800  
so if we if

3161  
02:13:12,629 --> 02:13:11,030  
okay but there's always a but okay so

3162  
02:13:15,109 --> 02:13:12,639  
you and i

3163  
02:13:18,310 --> 02:13:15,119

are on a starship at the edge of the

3164

02:13:20,870 --> 02:13:18,320

universe where the expansion is

3165

02:13:23,669 --> 02:13:20,880

happening faster than the speed of light

3166

02:13:24,709 --> 02:13:23,679

and we turn around and head towards

3167

02:13:28,470 --> 02:13:24,719

earth

3168

02:13:31,990 --> 02:13:28,480

are we now swimming upstream

3169

02:13:33,430 --> 02:13:32,000

if it's true that space-time itself is

3170

02:13:35,430 --> 02:13:33,440

expanding

3171

02:13:36,709 --> 02:13:35,440

faster than the speed of light relative

3172

02:13:38,390 --> 02:13:36,719

to us

3173

02:13:40,310 --> 02:13:38,400

then you would have to be traveling

3174

02:13:42,550 --> 02:13:40,320

faster than the speed of light to reach

3175

02:13:45,990 --> 02:13:42,560

our area of the universe and in fact the

3176

02:13:48,069 --> 02:13:46,000

light of our star will never

3177

02:13:50,390 --> 02:13:48,079

get there not at some point it will

3178

02:13:52,950 --> 02:13:50,400

never get there meaning that if there is

3179

02:13:55,830 --> 02:13:52,960

space time moving away from us faster

3180

02:13:57,030 --> 02:13:55,840

than the speed of light we cannot know

3181

02:13:58,709 --> 02:13:57,040

that

3182

02:14:01,189 --> 02:13:58,719

by observing

3183

02:14:03,990 --> 02:14:01,199

in other words we cannot ever look at

3184

02:14:06,310 --> 02:14:04,000

that area of the universe and see that

3185

02:14:08,149 --> 02:14:06,320

happening this is why this is only

3186

02:14:09,990 --> 02:14:08,159

theoretical that's what i'm getting at

3187

02:14:12,870 --> 02:14:10,000

the philosophy here is that's only

3188

02:14:15,189 --> 02:14:12,880

theoretical because that would exist

3189

02:14:17,109 --> 02:14:15,199

outside of our light cone of perception

3190

02:14:19,189 --> 02:14:17,119

and the only way we could actually prove

3191

02:14:22,629 --> 02:14:19,199

that relativity is happening is if we

3192

02:14:23,990 --> 02:14:22,639

could jump to that location and as far

3193

02:14:26,709 --> 02:14:24,000

as i can tell

3194

02:14:28,709 --> 02:14:26,719

you know even jumping between galaxies

3195

02:14:32,229 --> 02:14:28,719

is extraordinarily difficult because you

3196

02:14:34,950 --> 02:14:32,239

need reference points in that galaxy to

3197

02:14:36,550 --> 02:14:34,960

be able to jump to you need pulsars you

3198

02:14:38,950 --> 02:14:36,560

need to be able to actually pick out a

3199

02:14:40,950 --> 02:14:38,960

specific lighthouse and if you've ever

3200

02:14:44,709 --> 02:14:40,960

looked at the andromeda galaxy like in a

3201

02:14:47,750 --> 02:14:44,719

telescope i mean those stars are so

3202

02:14:51,430 --> 02:14:47,760

small and so far away it's a tiny little

3203

02:14:53,270 --> 02:14:51,440

blur you know it's it's out of focus

3204

02:14:56,870 --> 02:14:53,280

okay but

3205

02:15:00,069 --> 02:14:56,880

what would you and i see

3206

02:15:02,310 --> 02:15:00,079

if we were at a section of the universe

3207

02:15:03,990 --> 02:15:02,320

that is expanding faster than the speed

3208

02:15:06,790 --> 02:15:04,000

of light

3209

02:15:09,830 --> 02:15:06,800

when would we see earth when would we

3210

02:15:13,109 --> 02:15:09,840

see our own star system what would we

3211

02:15:15,669 --> 02:15:13,119

have to cross in order to catch up to

3212

02:15:18,550 --> 02:15:15,679

the light this is so confusing to me i

3213

02:15:21,430 --> 02:15:18,560

mean i just don't yeah i i i don't get

3214

02:15:24,870 --> 02:15:21,440

it because that's a tough one from here

3215

02:15:27,910 --> 02:15:24,880

on earth right looking out yeah we're

3216

02:15:29,189 --> 02:15:27,920

only seeing the light that has reached

3217

02:15:32,870 --> 02:15:29,199

us over

3218

02:15:36,069 --> 02:15:32,880

uh a 13.8 billion year period

3219

02:15:37,350 --> 02:15:36,079

but if it is expanding past the speed of

3220

02:15:39,510 --> 02:15:37,360

light

3221

02:15:41,430 --> 02:15:39,520

we're not seeing that right so we would

3222

02:15:43,750 --> 02:15:41,440

have to see it on the inside of that

3223

02:15:46,470 --> 02:15:43,760

frame that's right that's right yeah you

3224

02:15:49,669 --> 02:15:46,480

can imagine it like um you can imagine

3225

02:15:50,390 --> 02:15:49,679

it like like these are two light cones

3226

02:15:52,310 --> 02:15:50,400

right

3227

02:15:54,069 --> 02:15:52,320

and you're you know we're at the bottom

3228

02:15:55,990 --> 02:15:54,079

of one of these light cones anything

3229

02:15:58,790 --> 02:15:56,000

that's within this light cone

3230

02:16:01,910 --> 02:15:58,800

can be perceived by us at some point in

3231

02:16:04,550 --> 02:16:01,920

time right but anything that's outside

3232

02:16:05,510 --> 02:16:04,560

that light cone we can't

3233

02:16:09,750 --> 02:16:05,520

and so

3234

02:16:11,910 --> 02:16:09,760

some position on a starship that is

3235

02:16:13,750 --> 02:16:11,920

literally so far across the universe and

3236

02:16:17,430 --> 02:16:13,760

we're saying it's theoretically in a

3237

02:16:20,390 --> 02:16:17,440

zone of the universe that is moving away

3238

02:16:22,470 --> 02:16:20,400

from our solar system faster than the

3239

02:16:25,430 --> 02:16:22,480

speed of light then essentially those

3240

02:16:28,709 --> 02:16:25,440

light cones are angled like this

3241

02:16:32,150 --> 02:16:28,719

you will never ever be able to see

3242

02:16:34,709 --> 02:16:32,160

that other star ever it will not happen

3243

02:16:36,870 --> 02:16:34,719

because you're literally moving away

3244

02:16:38,790 --> 02:16:36,880

faster than the light can travel

3245

02:16:41,110 --> 02:16:38,800

and so you can imagine the light

3246

02:16:43,270 --> 02:16:41,120

standing still and this is the place

3247

02:16:44,950 --> 02:16:43,280

moving away and here's the earth and the

3248

02:16:46,469 --> 02:16:44,960

light's traveling but the space keeps

3249

02:16:48,469 --> 02:16:46,479

expanding so it's moving at the speed of

3250

02:16:51,190 --> 02:16:48,479

light but the space is still expanding

3251

02:16:54,070 --> 02:16:51,200

so it's never going to get there

3252

02:16:56,469 --> 02:16:54,080

and so for e.t to know that we are here

3253

02:16:58,709 --> 02:16:56,479

they have to be inside of the

3254

02:17:00,709 --> 02:16:58,719

observational universe

3255

02:17:03,509 --> 02:17:00,719

in order to see that light that hasn't

3256

02:17:06,629 --> 02:17:03,519

expanded out beyond

3257

02:17:09,349 --> 02:17:06,639

the observational universe yeah and even

3258

02:17:10,870 --> 02:17:09,359

more importantly jimmy um in general

3259

02:17:13,469 --> 02:17:10,880

what we're talking about when we talk

3260

02:17:17,270 --> 02:17:13,479

about extraterrestrial civilizations

3261

02:17:20,709 --> 02:17:17,280

95 to 99 of the time we're talking about

3262

02:17:25,030 --> 02:17:20,719

civilizations in stars around our home

3263

02:17:27,030 --> 02:17:25,040

galaxy and our home galaxy is all in one

3264

02:17:29,830 --> 02:17:27,040

gravitational relationship we're all

3265

02:17:32,150 --> 02:17:29,840

circling the same center we're all still

3266

02:17:34,629 --> 02:17:32,160

within 100 you know 100 000 light years

3267

02:17:35,429 --> 02:17:34,639

of each other going out to the rim

3268

02:17:39,190 --> 02:17:35,439

and

3269

02:17:41,030 --> 02:17:39,200

talking like 15

3270

02:17:43,830 --> 02:17:41,040

like you know light years up and down in

3271

02:17:46,790 --> 02:17:43,840

a lot of cases you know essentially

3272

02:17:48,469 --> 02:17:46,800

the milky way is a disc yes and

3273

02:17:52,629 --> 02:17:48,479

theoretically right now we're looking at

3274

02:17:53,990 --> 02:17:52,639

about 100 150 000 light years across

3275

02:17:54,950 --> 02:17:54,000

the milky way

3276

02:17:59,030 --> 02:17:54,960

so

3277

02:18:01,990 --> 02:17:59,040

um what about visitations from andromeda

3278

02:18:03,910 --> 02:18:02,000

yeah exactly that is

3279

02:18:05,990 --> 02:18:03,920

now we're pushing

3280

02:18:08,389 --> 02:18:06,000

something that theoretically probably

3281

02:18:10,950 --> 02:18:08,399

isn't possible a visitor from andromeda

3282

02:18:13,030 --> 02:18:10,960

to here it's it's not theoretically

3283

02:18:15,830 --> 02:18:13,040

impossible because andromeda is actually

3284

02:18:17,669 --> 02:18:15,840

extremely close to our galaxy from a

3285

02:18:19,830 --> 02:18:17,679

galactic perspective

3286

02:18:22,389 --> 02:18:19,840

and could there be enough

3287

02:18:25,589 --> 02:18:22,399

uh pulsar beacons things like that

3288

02:18:26,549 --> 02:18:25,599

between andromeda and us

3289

02:18:31,070 --> 02:18:26,559

maybe

3290

02:18:33,990 --> 02:18:31,080

like

3291

02:18:35,669 --> 02:18:34,000

intergalactic travel at the mechanism

3292

02:18:37,349 --> 02:18:35,679

that i physically worked out all the

3293

02:18:38,389 --> 02:18:37,359

details of how this thing could actually

3294

02:18:41,190 --> 02:18:38,399

work

3295

02:18:43,669 --> 02:18:41,200

is it challenges that theory of mine

3296

02:18:46,469 --> 02:18:43,679

because it says it says wow how would

3297

02:18:49,589 --> 02:18:46,479

you pick up beacons in another galaxy

3298

02:18:53,349 --> 02:18:49,599

necessarily but then again that's still

3299

02:18:56,309 --> 02:18:53,359

assuming you don't have the super

3300

02:18:59,270 --> 02:18:56,319

advanced telescopic

3301  
02:19:01,589 --> 02:18:59,280  
measurement materials of a civilization

3302  
02:19:04,870 --> 02:19:01,599  
that's evolved a thousand years beyond

3303  
02:19:07,669 --> 02:19:04,880  
us right so maybe they're in andromeda

3304  
02:19:10,070 --> 02:19:07,679  
and able to zoom right in to the milky

3305  
02:19:12,230 --> 02:19:10,080  
way all the way up to different stars

3306  
02:19:15,030 --> 02:19:12,240  
and measure the pulsars track those

3307  
02:19:18,389 --> 02:19:15,040  
beacons determine all of that because i

3308  
02:19:20,389 --> 02:19:18,399  
mean our our ability to see into space

3309  
02:19:23,110 --> 02:19:20,399  
just the fact that we can take pictures

3310  
02:19:25,110 --> 02:19:23,120  
of galaxies as clearly as we do and that

3311  
02:19:27,750 --> 02:19:25,120  
we can actually pick a pin prick in the

3312  
02:19:29,509 --> 02:19:27,760  
sky and zoom in and see thousands of

3313  
02:19:31,990 --> 02:19:29,519

galaxies in that picture

3314

02:19:35,110 --> 02:19:32,000

like our observation abilities have come

3315

02:19:37,030 --> 02:19:35,120

a long way since you know mr galileo and

3316

02:19:40,709 --> 02:19:37,040

copernicus and these guys with their you

3317

02:19:44,309 --> 02:19:40,719

know telescopes and so we can imagine a

3318

02:19:47,990 --> 02:19:44,319

huge evolutionary leaps in planetary

3319

02:19:50,550 --> 02:19:48,000

visualization mapping galactic mapping

3320

02:19:51,750 --> 02:19:50,560

um that happen especially as a species

3321

02:19:54,230 --> 02:19:51,760

becomes

3322

02:19:56,870 --> 02:19:54,240

galactic in its capacity to travel

3323

02:19:58,870 --> 02:19:56,880

between stars and then of course to the

3324

02:20:02,630 --> 02:19:58,880

intergalactic scale

3325

02:20:04,630 --> 02:20:02,640

what an amazing conversation and i i

3326

02:20:08,630 --> 02:20:04,640

wanted to ask you

3327

02:20:09,349 --> 02:20:08,640

uh about things like the tic-tac

3328

02:20:12,710 --> 02:20:09,359

but

3329

02:20:15,190 --> 02:20:12,720

when i say the tic tac we've also had uh

3330

02:20:18,230 --> 02:20:15,200

sightings for millions of people i i'm

3331

02:20:20,389 --> 02:20:18,240

i'm one of those and so are you

3332

02:20:23,750 --> 02:20:20,399

so it's not just the tic tac

3333

02:20:24,630 --> 02:20:23,760

but the tic tac is an interesting

3334

02:20:27,110 --> 02:20:24,640

uh

3335

02:20:29,030 --> 02:20:27,120

subject to bring up because of the

3336

02:20:30,469 --> 02:20:29,040

military aspect the professional

3337

02:20:31,349 --> 02:20:30,479

observations

3338

02:20:36,070 --> 02:20:31,359

and

3339

02:20:37,670 --> 02:20:36,080

uh the amount of witnesses that were

3340

02:20:41,429 --> 02:20:37,680

involved with that

3341

02:20:44,230 --> 02:20:41,439

do you see the tic tac as interplanetary

3342

02:20:45,590 --> 02:20:44,240

and is it like a von neumann probe that

3343

02:20:47,910 --> 02:20:45,600

was sent here

3344

02:20:48,870 --> 02:20:47,920

to observe the planet or are we talking

3345

02:20:51,030 --> 02:20:48,880

about something that may have

3346

02:20:52,630 --> 02:20:51,040

terrestrial origins

3347

02:20:56,389 --> 02:20:52,640

yeah i mean it could be a variety of

3348

02:20:58,070 --> 02:20:56,399

things i think that it prob most likely

3349

02:21:00,309 --> 02:20:58,080

we're talking about an inner

3350

02:21:02,070 --> 02:21:00,319

interstellar craft that's visiting a

3351  
02:21:04,309 --> 02:21:02,080  
probe of some kind or maybe even just

3352  
02:21:06,309 --> 02:21:04,319  
like a full-on ship that just doesn't

3353  
02:21:09,670 --> 02:21:06,319  
have any visible windows uses different

3354  
02:21:12,309 --> 02:21:09,680  
kinds of observation materials right um

3355  
02:21:14,230 --> 02:21:12,319  
you know i i'll do a little plug for our

3356  
02:21:17,190 --> 02:21:14,240  
friend caroline corey you know because

3357  
02:21:18,469 --> 02:21:17,200  
her film is coming out soon that a tear

3358  
02:21:23,030 --> 02:21:18,479  
in the sky

3359  
02:21:25,429 --> 02:21:23,040  
she essentially set up

3360  
02:21:27,750 --> 02:21:25,439  
a top-of-the-line scientific

3361  
02:21:31,030 --> 02:21:27,760  
observational equipment

3362  
02:21:32,070 --> 02:21:31,040  
in a triangle uh essentially kind of

3363  
02:21:34,309 --> 02:21:32,080

between

3364

02:21:36,309 --> 02:21:34,319

um i think it's somewhere like malibu

3365

02:21:38,150 --> 02:21:36,319

and santa barbara and

3366

02:21:40,950 --> 02:21:38,160

and one of the islands and i can't

3367

02:21:44,710 --> 02:21:40,960

remember which island it is do you know

3368

02:21:47,190 --> 02:21:44,720

it's catalina newport beach and uh

3369

02:21:49,270 --> 02:21:47,200

right around huntington beach so that's

3370

02:21:51,670 --> 02:21:49,280

the uh that's the triangle yeah thanks

3371

02:21:53,750 --> 02:21:51,680

thanks i'm glad you knew that um yeah

3372

02:21:55,200 --> 02:21:53,760

she'd be disappointed that i forgot

3373

02:21:58,950 --> 02:21:55,210

exactly what's the spot

3374

02:22:01,110 --> 02:21:58,960

[Laughter]

3375

02:22:03,830 --> 02:22:01,120

uh she'll be on with this wednesday

3376

02:22:06,630 --> 02:22:03,840

fantastic um i watched the film uh a

3377

02:22:09,510 --> 02:22:06,640

couple of times already uh it's very

3378

02:22:11,830 --> 02:22:09,520

interesting yeah yeah and so essentially

3379

02:22:13,510 --> 02:22:11,840

you know in this film um

3380

02:22:15,510 --> 02:22:13,520

for those of us in the public that

3381

02:22:17,750 --> 02:22:15,520

haven't got a chance to see it yet you

3382

02:22:20,950 --> 02:22:17,760

know what she's done is she's

3383

02:22:25,270 --> 02:22:20,960

essentially using this equipment to

3384

02:22:27,429 --> 02:22:25,280

measure uh and actually visibly catch

3385

02:22:30,070 --> 02:22:27,439

essentially what she describes or thinks

3386

02:22:32,389 --> 02:22:30,080

is a wormhole opening and things flying

3387

02:22:33,990 --> 02:22:32,399

out of and into this wormhole in the sky

3388

02:22:38,630 --> 02:22:34,000

a tear in the sky

3389

02:22:41,750 --> 02:22:38,640

and you know so there is pretty clear

3390

02:22:43,510 --> 02:22:41,760

evidence in that and also in all of the

3391

02:22:46,469 --> 02:22:43,520

different kinds of ufo sightings that

3392

02:22:47,910 --> 02:22:46,479

have happened um and uaps whatever the

3393

02:22:50,150 --> 02:22:47,920

heck you want to call them you know

3394

02:22:52,870 --> 02:22:50,160

extraterrestrial spacecraft essentially

3395

02:22:56,070 --> 02:22:52,880

as off-world vehicles as the pentagon

3396

02:22:58,070 --> 02:22:56,080

has grudgingly admitted a few times um

3397

02:23:01,030 --> 02:22:58,080

and that these

3398

02:23:03,750 --> 02:23:01,040

these craft have this capacity to warp

3399

02:23:06,070 --> 02:23:03,760

space time around them to essentially

3400

02:23:08,710 --> 02:23:06,080

have this gravitational bubble that lets

3401  
02:23:11,910 --> 02:23:08,720  
them jump in and out of positions that

3402  
02:23:15,190 --> 02:23:11,920  
lets them move without g-force

3403  
02:23:17,349 --> 02:23:15,200  
90-degree angles high-speed turns flying

3404  
02:23:19,670 --> 02:23:17,359  
into matter or what seems like solid

3405  
02:23:22,070 --> 02:23:19,680  
matter flying into the sun

3406  
02:23:26,230 --> 02:23:22,080  
things like that and all of that just

3407  
02:23:27,990 --> 02:23:26,240  
reinforces the the immensely powerful

3408  
02:23:29,590 --> 02:23:28,000  
level of technology that we're talking

3409  
02:23:31,750 --> 02:23:29,600  
about as soon as you learn how to

3410  
02:23:32,790 --> 02:23:31,760  
actually control the structure of space

3411  
02:23:35,750 --> 02:23:32,800  
time

3412  
02:23:38,389 --> 02:23:35,760  
one of the things that i really enjoy

3413  
02:23:40,150 --> 02:23:38,399

about caroline and

3414

02:23:41,190 --> 02:23:40,160

i've said this to her so many times over

3415

02:23:44,630 --> 02:23:41,200

the years i'm gonna say it again

3416

02:23:47,270 --> 02:23:44,640

wednesday night is that her approach

3417

02:23:51,429 --> 02:23:47,280

because she has an open mind but she has

3418

02:23:53,510 --> 02:23:51,439

a very scientific mind too as well it's

3419

02:23:56,550 --> 02:23:53,520

one thing to have an open mind

3420

02:24:00,230 --> 02:23:56,560

it and you know i i get that

3421

02:24:03,110 --> 02:24:00,240

but trying to pull in science to the

3422

02:24:04,790 --> 02:24:03,120

phenomenon not only with uaps but with

3423

02:24:07,990 --> 02:24:04,800

consciousness

3424

02:24:10,309 --> 02:24:08,000

and other aspects uh to our lives that

3425

02:24:11,830 --> 02:24:10,319

has always been caroline's approach but

3426

02:24:13,510 --> 02:24:11,840

here's the deal

3427

02:24:15,190 --> 02:24:13,520

you've been doing this now seam has been

3428

02:24:16,550 --> 02:24:15,200

doing this

3429

02:24:20,550 --> 02:24:16,560

we need

3430

02:24:23,110 --> 02:24:20,560

uh more open-minded science scientists

3431

02:24:25,910 --> 02:24:23,120

to come into this community to take a

3432

02:24:28,230 --> 02:24:25,920

look at what is going on i think that

3433

02:24:30,710 --> 02:24:28,240

avi loeb is now doing this i think he

3434

02:24:33,990 --> 02:24:30,720

has an open mind but it is something

3435

02:24:36,309 --> 02:24:34,000

that our government has been avoiding uh

3436

02:24:37,190 --> 02:24:36,319

at least in a public sense right

3437

02:24:40,389 --> 02:24:37,200

yeah

3438

02:24:41,750 --> 02:24:40,399

it's it's more than just avoidance

3439

02:24:47,910 --> 02:24:41,760

like

3440

02:24:49,190 --> 02:24:47,920

and i we have a lot of freedom because

3441

02:24:54,070 --> 02:24:49,200

we didn't

3442

02:24:56,469 --> 02:24:54,080

academia establishment so deep

3443

02:24:59,349 --> 02:24:56,479

right we're stuck in there right if i

3444

02:25:01,750 --> 02:24:59,359

was if i had finished the track of going

3445

02:25:03,830 --> 02:25:01,760

through to get my doctorate in physics

3446

02:25:05,990 --> 02:25:03,840

and became a physics professor

3447

02:25:07,990 --> 02:25:06,000

my hands would be so much more tied

3448

02:25:08,870 --> 02:25:08,000

around talking around these topics

3449

02:25:11,270 --> 02:25:08,880

because

3450

02:25:13,590 --> 02:25:11,280

my tenure would be at stake

3451

02:25:16,550 --> 02:25:13,600

any time i speak publicly or do

3452

02:25:19,590 --> 02:25:16,560

something publicly like my position in

3453

02:25:21,830 --> 02:25:19,600

the university would be at stake if the

3454

02:25:24,469 --> 02:25:21,840

university deans if you know the

3455

02:25:26,389 --> 02:25:24,479

education board determined

3456

02:25:29,110 --> 02:25:26,399

that what i was saying or what i was

3457

02:25:32,469 --> 02:25:29,120

theorizing doesn't fit within their

3458

02:25:34,870 --> 02:25:32,479

guidelines and so it's really easy

3459

02:25:37,190 --> 02:25:34,880

for the scientific world and a lot of

3460

02:25:40,150 --> 02:25:37,200

the academic world to essentially just

3461

02:25:42,309 --> 02:25:40,160

say if it's not in our textbooks it's

3462

02:25:44,790 --> 02:25:42,319

not what we already understand it's

3463

02:25:47,750 --> 02:25:44,800

probably pseudoscience

3464

02:25:50,710 --> 02:25:47,760

but this is a huge problem jimmy because

3465

02:25:53,110 --> 02:25:50,720

that's essentially just like saying oh

3466

02:25:56,870 --> 02:25:53,120

so you believe the planets travel around

3467

02:25:58,790 --> 02:25:56,880

the sun instead of right the earth right

3468

02:26:00,630 --> 02:25:58,800

year of heretic

3469

02:26:03,830 --> 02:26:00,640

right burn them at the stake you know

3470

02:26:05,590 --> 02:26:03,840

like this guy is crazy like this is a

3471

02:26:07,429 --> 02:26:05,600

pseudo scientist

3472

02:26:08,389 --> 02:26:07,439

that's exactly what we're dealing with

3473

02:26:11,030 --> 02:26:08,399

because

3474

02:26:13,670 --> 02:26:11,040

it's the momentum of the belief and the

3475

02:26:16,870 --> 02:26:13,680

understanding within the academic world

3476  
02:26:21,110 --> 02:26:16,880  
that creates the context for what's okay

3477  
02:26:22,790 --> 02:26:21,120  
to be shared as factual or true now

3478  
02:26:25,830 --> 02:26:22,800  
before uh

3479  
02:26:27,670 --> 02:26:25,840  
adam uh you don't have a choice yeah

3480  
02:26:29,429 --> 02:26:27,680  
you're gonna stay for overtime we're

3481  
02:26:31,990 --> 02:26:29,439  
gonna keep this conversation going so

3482  
02:26:34,150 --> 02:26:32,000  
don't say jimmy i'm tired i don't have

3483  
02:26:35,270 --> 02:26:34,160  
coffee we're going to keep this going

3484  
02:26:36,389 --> 02:26:35,280  
but but

3485  
02:26:38,950 --> 02:26:36,399  
is it

3486  
02:26:41,510 --> 02:26:38,960  
the is this another prong

3487  
02:26:43,429 --> 02:26:41,520  
of the approach that we have to take we

3488  
02:26:46,790 --> 02:26:43,439

do need the military we do need the

3489

02:26:50,389 --> 02:26:46,800

department of defense we do need a seti

3490

02:26:52,630 --> 02:26:50,399

we do need civilians uh to come out and

3491

02:26:54,790 --> 02:26:52,640

speak about their issues but and and we

3492

02:26:57,670 --> 02:26:54,800

you know what we need hollywood we need

3493

02:27:00,230 --> 02:26:57,680

hollywood here too as well but we need

3494

02:27:03,429 --> 02:27:00,240

the scientific community like avilobe

3495

02:27:06,070 --> 02:27:03,439

yourself and seen to absolutely

3496

02:27:08,710 --> 02:27:06,080

spearhead this because it is just

3497

02:27:11,270 --> 02:27:08,720

another it's another cog in the machine

3498

02:27:13,830 --> 02:27:11,280

isn't it we need to keep the pressure on

3499

02:27:16,630 --> 02:27:13,840

yep that's right and you know my angle

3500

02:27:18,630 --> 02:27:16,640

is not to do that directly through the

3501

02:27:20,870 --> 02:27:18,640

scientific you know academic

3502

02:27:23,030 --> 02:27:20,880

establishment my route is to do that

3503

02:27:25,190 --> 02:27:23,040

through tech by building new kinds of

3504

02:27:27,190 --> 02:27:25,200

systems that prove certain theoretical

3505

02:27:29,830 --> 02:27:27,200

models that open up new doors for

3506

02:27:31,750 --> 02:27:29,840

communication that help people to build

3507

02:27:34,790 --> 02:27:31,760

trust graphs and validate in a

3508

02:27:37,510 --> 02:27:34,800

decentralized way and all of that work

3509

02:27:40,150 --> 02:27:37,520

you know essentially is about building

3510

02:27:41,990 --> 02:27:40,160

capacity building capacity for humanity

3511

02:27:44,550 --> 02:27:42,000

to take the leaps that it needs to take

3512

02:27:46,630 --> 02:27:44,560

forward and for me to give my work in

3513

02:27:48,150 --> 02:27:46,640

service because it's it's it's not

3514

02:27:49,750 --> 02:27:48,160

enough just to talk about these things

3515

02:27:51,349 --> 02:27:49,760

we have to put our get our hands dirty

3516

02:27:54,150 --> 02:27:51,359

we have to get to work we have to create

3517

02:27:56,389 --> 02:27:54,160

things we have to actually build things

3518

02:27:57,990 --> 02:27:56,399

that make a difference in this world and

3519

02:28:00,389 --> 02:27:58,000

you know jimmy when you talk about like

3520

02:28:02,950 --> 02:28:00,399

the military groups and a lot of the

3521

02:28:05,349 --> 02:28:02,960

military establishments i've known a lot

3522

02:28:07,270 --> 02:28:05,359

of people within those spaces and a lot

3523

02:28:09,830 --> 02:28:07,280

of the people that i've interacted with

3524

02:28:11,110 --> 02:28:09,840

or engaged in within those spaces

3525

02:28:14,309 --> 02:28:11,120

essentially

3526

02:28:15,990 --> 02:28:14,319

have you know in many cases

3527

02:28:17,270 --> 02:28:16,000

information that the rest of the physics

3528

02:28:18,870 --> 02:28:17,280

world doesn't have

3529

02:28:21,110 --> 02:28:18,880

and and they know it they've already

3530

02:28:23,190 --> 02:28:21,120

proved and done the experiments and they

3531

02:28:25,590 --> 02:28:23,200

know something else works but they're

3532

02:28:27,510 --> 02:28:25,600

keeping it under wraps so i see we got

3533

02:28:29,190 --> 02:28:27,520

caroline cory

3534

02:28:31,670 --> 02:28:29,200

did she come to say hi

3535

02:28:32,550 --> 02:28:31,680

that just popped up and i just wanted to

3536

02:28:36,870 --> 02:28:32,560

uh

3537

02:28:38,230 --> 02:28:36,880

who's listening to the show and

3538

02:28:40,950 --> 02:28:38,240

uh

3539

02:28:43,030 --> 02:28:40,960

i didn't know yeah

3540

02:28:44,950 --> 02:28:43,040

so i only knew because she texted me

3541

02:28:47,110 --> 02:28:44,960

after i gave her a plug on the show and

3542

02:28:48,309 --> 02:28:47,120

she sent me some love and i'm like ah

3543

02:28:50,150 --> 02:28:48,319

thank you

3544

02:28:52,150 --> 02:28:50,160

i'm really excited to see your film and

3545

02:28:54,150 --> 02:28:52,160

all right let's

3546

02:28:56,630 --> 02:28:54,160

everybody just wait and that'll be on

3547

02:28:58,309 --> 02:28:56,640

may 3rd let's take our break here our

3548

02:29:00,070 --> 02:28:58,319

guest tonight the one and only adam

3549

02:29:02,870 --> 02:29:00,080

apollo we're talking about physics

3550

02:29:06,469 --> 02:29:02,880

science and what an extraterrestrial

3551

02:29:08,630 --> 02:29:06,479

civilization would do to get here uh

3552

02:29:11,910 --> 02:29:08,640

when i come back i'm going to bring up

3553

02:29:14,630 --> 02:29:11,920

omumua with adam and uh we'll see what

3554

02:29:16,389 --> 02:29:14,640

his uh take is on that and of course avi

3555

02:29:18,630 --> 02:29:16,399

loeb this is fade to black i'm yours

3556

02:29:21,700 --> 02:29:18,640

jimmy church more with adam after this

3557

02:29:31,830 --> 02:29:21,710

short break stay with us

3558

02:29:33,140 --> 02:29:31,840

[Music]

3559

02:29:41,110 --> 02:29:33,150

[Applause]

3560

02:29:44,790 --> 02:29:43,270

you're listening to jimmy church and

3561

02:29:48,830 --> 02:29:44,800

fade to black

3562

02:29:54,950 --> 02:29:52,070

axe what up y'all biblical fox here and

3563

02:29:56,320 --> 02:29:54,960

you are listening to my boy jimmy church

3564

02:29:59,270 --> 02:29:56,330  
on jimmychurchradio.com

3565

02:30:01,830 --> 02:29:59,280  
[Music]

3566

02:30:08,360 --> 02:30:01,840  
despite popular opinion

3567

02:30:11,910 --> 02:30:09,750  
[Applause]

3568

02:30:14,070 --> 02:30:11,920  
this is billy carson founder and ceo of

3569

02:30:15,910 --> 02:30:14,080  
forbidden knowledge dot tv forbidden

3570

02:30:17,670 --> 02:30:15,920  
knowledge dot tv is the fastest growing

3571

02:30:19,510 --> 02:30:17,680  
and one of the most watched networks in

3572

02:30:21,110 --> 02:30:19,520  
the world i would like to personally

3573

02:30:23,910 --> 02:30:21,120  
invite you to check out our expanding

3574

02:30:26,070 --> 02:30:23,920  
library of tv film lectures and special

3575

02:30:28,070 --> 02:30:26,080  
presentations forbidden knowledge dot tv

3576

02:30:31,349 --> 02:30:28,080

has over 6 000 videos covering lost

3577

02:30:33,349 --> 02:30:31,359

history health ufos spirituality and our

3578

02:30:35,750 --> 02:30:33,359

future we are committed to our community

3579

02:30:37,830 --> 02:30:35,760

and with my personal invitation you can

3580

02:30:40,150 --> 02:30:37,840

right now get your free 30-day

3581

02:30:42,150 --> 02:30:40,160

membership at forbidden knowledge dot tv

3582

02:30:45,030 --> 02:30:42,160

your own library of information starts

3583

02:30:45,210 --> 02:30:45,040

today at forbidden knowledge dot tv

3584

02:30:46,550 --> 02:30:45,220

[Music]

3585

02:30:49,030 --> 02:30:46,560

[Applause]

3586

02:30:52,389 --> 02:30:49,040

your one million gigawatt paranormal

3587

02:30:54,230 --> 02:30:52,399

powerhouse kumx db

3588

02:30:55,910 --> 02:30:54,240

the x

3589

02:30:58,550 --> 02:30:55,920

are you ready to read about true

3590

02:31:01,349 --> 02:30:58,560

paranormal events unex media publishes

3591

02:31:03,750 --> 02:31:01,359

non-fiction books about ufos ghosts and

3592

02:31:06,950 --> 02:31:03,760

haunted places time anomalies cryptid

3593

02:31:09,190 --> 02:31:06,960

creatures and more just like kunx db

3594

02:31:12,190 --> 02:31:09,200

radio it's all about unexplained

3595

02:31:14,150 --> 02:31:12,200

phenomena visit

3596

02:31:16,309 --> 02:31:14,160

[www.annexmedia.com](http://www.annexmedia.com) to see our list of

3597

02:31:18,950 --> 02:31:16,319

great book titles by debbie zigglemeyer

3598

02:31:21,510 --> 02:31:18,960

gene walker devin listrom wayne lawrence

3599

02:31:26,630 --> 02:31:21,520

bill spicer and yours truly margie k

3600

02:31:31,429 --> 02:31:28,790

when you take the beans from central

3601  
02:31:33,830 --> 02:31:31,439  
america with dashes of indonesian and

3602  
02:31:36,950 --> 02:31:33,840  
african mixed in and then roasted to the

3603  
02:31:39,510 --> 02:31:36,960  
dark side of fade to black you create

3604  
02:31:42,469 --> 02:31:39,520  
the ultimate brew of fringe

3605  
02:31:45,750 --> 02:31:42,479  
introducing the fade to black blend from

3606  
02:31:48,550 --> 02:31:45,760  
river moon coffee yes river moon's

3607  
02:31:51,349 --> 02:31:48,560  
darkest customized roast was created for

3608  
02:31:53,990 --> 02:31:51,359  
the love of fade to black

3609  
02:31:56,550 --> 02:31:54,000  
the alchemy of masterful roasting and

3610  
02:32:00,070 --> 02:31:56,560  
smoking the beans is in every sip of

3611  
02:32:03,030 --> 02:32:00,080  
this full-bodied dark java i need my

3612  
02:32:05,270 --> 02:32:03,040  
coffee doc deep with distinct

3613  
02:32:08,070 --> 02:32:05,280

bittersweet chocolate highlights just

3614

02:32:10,630 --> 02:32:08,080

like the bunker leaning further into the

3615

02:32:13,750 --> 02:32:10,640

darkness of the roast is fade to black

3616

02:32:15,990 --> 02:32:13,760

blend from river moon coffee just click

3617

02:32:19,590 --> 02:32:16,000

on the banner at jimmychurchradio.com

3618

02:32:23,590 --> 02:32:19,600

and use the promo code f2b blend for 15

3619

02:32:28,870 --> 02:32:25,590

this is billy carson with forbidden

3620

02:32:30,790 --> 02:32:28,880

knowledge dot tv forbidden knowledge tv

3621

02:32:33,990 --> 02:32:30,800

has just reached its one year

3622

02:32:36,230 --> 02:32:34,000

anniversary that's right one year and as

3623

02:32:39,030 --> 02:32:36,240

a show of appreciation we are giving all

3624

02:32:42,150 --> 02:32:39,040

new subscribers a free 30-day trial of

3625

02:32:45,270 --> 02:32:42,160

forbidden knowledge dot tv that's 30

3626  
02:32:47,830 --> 02:32:45,280  
days to binge watch thousands of movies

3627  
02:32:50,790 --> 02:32:47,840  
documentaries conferences workshops

3628  
02:32:53,510 --> 02:32:50,800  
lectures yoga classes meditation courses

3629  
02:32:55,750 --> 02:32:53,520  
and so much more so log on to forbidden

3630  
02:32:57,990 --> 02:32:55,760  
knowledge dot tv from your computer or

3631  
02:33:02,550 --> 02:32:58,000  
mobile device or get the forbidden

3632  
02:33:05,590 --> 02:33:02,560  
knowledge tv app on apple tv roku amazon

3633  
02:33:09,190 --> 02:33:05,600  
itunes or google play today and use

3634  
02:33:11,670 --> 02:33:09,200  
coupon code 30 days free that's coupon

3635  
02:33:14,100 --> 02:33:11,680  
code 30 days free on forbidden knowledge

3636  
02:33:17,990 --> 02:33:14,110  
dot tv today

3637  
02:33:23,030 --> 02:33:20,230  
are you intrigued by paranormal talk

3638  
02:33:25,750 --> 02:33:23,040

radio you love the new paranormal radio

3639

02:33:27,429 --> 02:33:25,760

app from talk stream live

3640

02:33:30,309 --> 02:33:27,439

you'll find a great selection of talk

3641

02:33:32,950 --> 02:33:30,319

shows covering ufos ghosts strange

3642

02:33:35,270 --> 02:33:32,960

phenomena and much more download the

3643

02:33:37,270 --> 02:33:35,280

paranormal radio app now and start

3644

02:33:39,510 --> 02:33:37,280

listening to the very best in paranormal

3645

02:33:41,270 --> 02:33:39,520

talk entertainment including the network

3646

02:33:44,469 --> 02:33:41,280

you're listening to right now the

3647

02:33:52,610 --> 02:33:44,479

paranormal radio app free in google play

3648

02:33:58,230 --> 02:33:55,190

[Music]

3649

02:34:00,830 --> 02:33:58,240

it's not a lifestyle we chose we were

3650

02:34:16,630 --> 02:34:00,840

born this way this is

3651

02:34:20,950 --> 02:34:18,630

[Music]

3652

02:34:22,950 --> 02:34:20,960

welcome back fade to black

3653

02:34:25,670 --> 02:34:22,960

i'm your host jimmy church tonight adam

3654

02:34:27,990 --> 02:34:25,680

apollo is with us i got to watch adam

3655

02:34:30,150 --> 02:34:28,000

dance uh during the break and uh that

3656

02:34:32,309 --> 02:34:30,160

was pretty cool a lot of people as we

3657

02:34:34,070 --> 02:34:32,319

head into overtime um

3658

02:34:35,110 --> 02:34:34,080

adam you're a dj

3659

02:34:39,110 --> 02:34:35,120

i am

3660

02:34:41,750 --> 02:34:39,120

yeah you're a dj yep since 1999

3661

02:34:43,429 --> 02:34:41,760

and uh one of these days we'll have a

3662

02:34:45,910 --> 02:34:43,439

little get together at my house i'll get

3663

02:34:48,710 --> 02:34:45,920

the setup outside and uh

3664

02:34:50,550 --> 02:34:48,720

and we can throw down um

3665

02:34:52,710 --> 02:34:50,560

this this conversation has been an

3666

02:34:56,389 --> 02:34:52,720

interesting one and

3667

02:34:58,950 --> 02:34:56,399

um i think i i do want to talk about avi

3668

02:35:02,230 --> 02:34:58,960

loeb and omua for just a bit because i

3669

02:35:05,590 --> 02:35:02,240

think he lays out an excellent case in

3670

02:35:06,389 --> 02:35:05,600

his book extraterrestrial

3671

02:35:09,590 --> 02:35:06,399

that

3672

02:35:10,950 --> 02:35:09,600

omua was not a natural object and it

3673

02:35:13,349 --> 02:35:10,960

defied

3674

02:35:16,309 --> 02:35:13,359

everything that we understand about

3675

02:35:19,030 --> 02:35:16,319

asteroids and things that travel through

3676

02:35:21,510 --> 02:35:19,040

um our star system every day we

3677

02:35:23,590 --> 02:35:21,520

photograph we measure we know the speeds

3678

02:35:25,750 --> 02:35:23,600

we know where they come from and that

3679

02:35:27,270 --> 02:35:25,760

includes well we're understanding more

3680

02:35:31,429 --> 02:35:27,280

about comets

3681

02:35:33,990 --> 02:35:31,439

but everything that omoumou showed us

3682

02:35:35,750 --> 02:35:34,000

was that it it just wasn't a natural

3683

02:35:38,710 --> 02:35:35,760

object now

3684

02:35:40,790 --> 02:35:38,720

um what's your take do you think that

3685

02:35:43,270 --> 02:35:40,800

omomua was

3686

02:35:45,190 --> 02:35:43,280

extraterrestrial it wasn't natural and

3687

02:35:46,550 --> 02:35:45,200

it was a visitor from another star

3688

02:35:49,510 --> 02:35:46,560

system

3689

02:35:51,750 --> 02:35:49,520

you know jimmy honestly i i don't really

3690

02:35:54,389 --> 02:35:51,760

care to try to postulate you know

3691

02:35:57,110 --> 02:35:54,399

exactly what omo mo was

3692

02:35:59,750 --> 02:35:57,120

and don't claim to know because i didn't

3693

02:36:02,550 --> 02:35:59,760

make contact with pilots on a ship on

3694

02:36:04,790 --> 02:36:02,560

omomua you know or like have a direct

3695

02:36:07,670 --> 02:36:04,800

experience there and so it's tough for

3696

02:36:10,150 --> 02:36:07,680

me to say definitively but i will say

3697

02:36:11,190 --> 02:36:10,160

that you know the the biggest notable

3698

02:36:12,710 --> 02:36:11,200

factor

3699

02:36:16,389 --> 02:36:12,720

of this study

3700

02:36:19,910 --> 02:36:16,399

was essentially that the object was

3701  
02:36:21,510 --> 02:36:19,920  
accelerating it traveled around the sun

3702  
02:36:23,830 --> 02:36:21,520  
and it didn't just

3703  
02:36:26,230 --> 02:36:23,840  
it didn't just move in a pattern that

3704  
02:36:27,750 --> 02:36:26,240  
suggests angular momentum and the sort

3705  
02:36:31,349 --> 02:36:27,760  
of acceleration that happens by

3706  
02:36:34,150 --> 02:36:31,359  
slingshotting right it accelerated

3707  
02:36:36,309 --> 02:36:34,160  
outside of that boundary of what it

3708  
02:36:38,230 --> 02:36:36,319  
should have essentially within that

3709  
02:36:40,469 --> 02:36:38,240  
slingshot and

3710  
02:36:43,110 --> 02:36:40,479  
that suggests something very different

3711  
02:36:45,830 --> 02:36:43,120  
either the object is losing a bunch of

3712  
02:36:48,070 --> 02:36:45,840  
mass like a comet you know and somehow

3713  
02:36:50,389 --> 02:36:48,080

it's it's actually accelerating because

3714

02:36:51,190 --> 02:36:50,399

of the mass it's losing or burning off

3715

02:36:53,429 --> 02:36:51,200

or

3716

02:36:55,750 --> 02:36:53,439

this is not a natural object and that

3717

02:36:58,469 --> 02:36:55,760

this was a ship and it kind of came in

3718

02:37:00,630 --> 02:36:58,479

did a flyby you know flew around the sun

3719

02:37:02,469 --> 02:37:00,640

and took off you know riding the sun's

3720

02:37:04,870 --> 02:37:02,479

light cruising around so you know

3721

02:37:07,190 --> 02:37:04,880

somebody's riding riding around at super

3722

02:37:10,469 --> 02:37:07,200

high speed on this thing for sure

3723

02:37:11,590 --> 02:37:10,479

um but i will say jimmy also that

3724

02:37:14,870 --> 02:37:11,600

um

3725

02:37:16,870 --> 02:37:14,880

if if it was a starship from another

3726

02:37:19,270 --> 02:37:16,880

civilization kind of swinging through

3727

02:37:22,150 --> 02:37:19,280

and visiting it's a very different

3728

02:37:24,630 --> 02:37:22,160

behavior than we see from a lot of other

3729

02:37:27,910 --> 02:37:24,640

starships that come and visit our planet

3730

02:37:30,870 --> 02:37:27,920

and that is that you know it came in at

3731

02:37:33,429 --> 02:37:30,880

a vector you know using momentum

3732

02:37:36,230 --> 02:37:33,439

traveled followed a pattern of angular

3733

02:37:39,110 --> 02:37:36,240

momentum slingshotted around the star

3734

02:37:41,190 --> 02:37:39,120

continued off in its vector and

3735

02:37:43,270 --> 02:37:41,200

you know we just don't really see ships

3736

02:37:45,510 --> 02:37:43,280

hurtling around the solar system or

3737

02:37:46,630 --> 02:37:45,520

around the earth that often that just

3738

02:37:49,190 --> 02:37:46,640

ride

3739

02:37:52,950 --> 02:37:49,200

the galactic you know gravity well so to

3740

02:37:55,990 --> 02:37:52,960

speaking instead we see ships that stop

3741

02:37:59,429 --> 02:37:56,000

pause move blink do a thing jing you

3742

02:38:02,950 --> 02:37:59,439

know jump and and it seems

3743

02:38:05,190 --> 02:38:02,960

in in some sense more likely to me

3744

02:38:07,349 --> 02:38:05,200

that um that there's something else

3745

02:38:09,429 --> 02:38:07,359

going on here or it was some kind of

3746

02:38:11,750 --> 02:38:09,439

experiment or probe or something like

3747

02:38:13,429 --> 02:38:11,760

that sent to see how it would operate

3748

02:38:14,790 --> 02:38:13,439

and how we would treat it

3749

02:38:17,030 --> 02:38:14,800

um

3750

02:38:19,429 --> 02:38:17,040

rather than like necessarily like a

3751

02:38:21,429 --> 02:38:19,439

manned ship with a crew that's like that

3752

02:38:23,990 --> 02:38:21,439

could just as easily just jump to being

3753

02:38:26,150 --> 02:38:24,000

around the earth or jump over by the sun

3754

02:38:28,230 --> 02:38:26,160

or you know if they can do these things

3755

02:38:30,790 --> 02:38:28,240

like that why would you want to go on

3756

02:38:33,190 --> 02:38:30,800

that long you know ride and trajectory

3757

02:38:34,550 --> 02:38:33,200

and do one little thing to kind of

3758

02:38:37,030 --> 02:38:34,560

suggest that

3759

02:38:38,150 --> 02:38:37,040

you're not like a normal comet or an

3760

02:38:40,389 --> 02:38:38,160

asteroid

3761

02:38:43,590 --> 02:38:40,399

well don't we do

3762

02:38:46,150 --> 02:38:43,600

or attempt to do uh the same things with

3763

02:38:47,670 --> 02:38:46,160

our probes as we send them out through

3764

02:38:49,750 --> 02:38:47,680

the solar system

3765

02:38:52,309 --> 02:38:49,760

uh they're doing drive bys of planets

3766

02:38:55,190 --> 02:38:52,319

they're not necessarily stopping by

3767

02:38:58,550 --> 02:38:55,200

and they they continue on voyager 1 and

3768

02:39:00,070 --> 02:38:58,560

voyager 2 are examples of that

3769

02:39:01,910 --> 02:39:00,080

so

3770

02:39:03,349 --> 02:39:01,920

why think that

3771

02:39:06,070 --> 02:39:03,359

uh that

3772

02:39:08,150 --> 02:39:06,080

omomu would be any different and another

3773

02:39:10,550 --> 02:39:08,160

way to look at omomoa

3774

02:39:14,230 --> 02:39:10,560

maybe it's a piece of a ship

3775

02:39:16,630 --> 02:39:14,240

right that it's a part of a ship uh that

3776

02:39:18,870 --> 02:39:16,640

that came through now the other question

3777

02:39:20,950 --> 02:39:18,880

is why haven't we seen a second one or

3778

02:39:24,230 --> 02:39:20,960

third one you know a

3779

02:39:27,030 --> 02:39:24,240

debris trail if you if you will but it

3780

02:39:29,510 --> 02:39:27,040

did turn on its own it didn't accelerate

3781

02:39:31,990 --> 02:39:29,520

without gravity there wasn't any gas

3782

02:39:34,389 --> 02:39:32,000

emitted from the back there wasn't any

3783

02:39:36,550 --> 02:39:34,399

type of uh gas trail something that was

3784

02:39:39,590 --> 02:39:36,560

heated by the sun and you know like it

3785

02:39:41,030 --> 02:39:39,600

like a comet as you described and also

3786

02:39:43,110 --> 02:39:41,040

its shape

3787

02:39:45,349 --> 02:39:43,120

isn't of any

3788

02:39:47,349 --> 02:39:45,359

you know now could it be

3789

02:39:49,910 --> 02:39:47,359

that it was just anomalous that the

3790

02:39:51,429 --> 02:39:49,920

shape was natural it just happened that

3791

02:39:55,270 --> 02:39:51,439

way okay

3792

02:39:57,190 --> 02:39:55,280

yeah um in avi's book he points out two

3793

02:40:00,469 --> 02:39:57,200

things and i brought this up with isaac

3794

02:40:02,710 --> 02:40:00,479

arthur you know the physicist last week

3795

02:40:04,150 --> 02:40:02,720

avi said two things that stopped me in

3796

02:40:07,830 --> 02:40:04,160

my tracks one

3797

02:40:09,910 --> 02:40:07,840

it was flat and shaped like a pancake

3798

02:40:10,710 --> 02:40:09,920

that's crazy town number one and number

3799

02:40:13,110 --> 02:40:10,720

two

3800

02:40:15,590 --> 02:40:13,120

it exhibited a metallic surface a

3801

02:40:17,030 --> 02:40:15,600

reflective metallic surface

3802

02:40:18,389 --> 02:40:17,040

now

3803

02:40:22,309 --> 02:40:18,399

could that be

3804

02:40:23,349 --> 02:40:22,319

natural yes it could be anything is

3805

02:40:25,750 --> 02:40:23,359

possible

3806

02:40:28,550 --> 02:40:25,760

but it's just like every point that we

3807

02:40:32,870 --> 02:40:28,560

would need to show that it was natural

3808

02:40:35,990 --> 02:40:32,880

it it exhibited the opposite of that

3809

02:40:37,910 --> 02:40:36,000

yeah i mean you know i think

3810

02:40:39,750 --> 02:40:37,920

from the little i know of avi's work i

3811

02:40:42,550 --> 02:40:39,760

think one of the things that he

3812

02:40:44,870 --> 02:40:42,560

suggested was something like it because

3813

02:40:46,950 --> 02:40:44,880

of its surface

3814

02:40:48,950 --> 02:40:46,960

being metallic-like

3815

02:40:50,469 --> 02:40:48,960

that it could create a reflective

3816

02:40:52,550 --> 02:40:50,479

pressure in some way with solar

3817

02:40:55,030 --> 02:40:52,560

radiation that could explain its

3818

02:40:57,830 --> 02:40:55,040

acceleration as just one

3819

02:41:01,429 --> 02:40:57,840

possible theory um i know that in the

3820

02:41:03,429 --> 02:41:01,439

nasa photos that i saw prior on it they

3821

02:41:06,630 --> 02:41:03,439

were they were describing it a lot more

3822

02:41:08,389 --> 02:41:06,640

like a long cigar shaped object

3823

02:41:09,429 --> 02:41:08,399

so i'm not sure

3824

02:41:11,590 --> 02:41:09,439

whose

3825

02:41:13,190 --> 02:41:11,600

you know shape assessments are correct

3826

02:41:14,870 --> 02:41:13,200

here or whatever i'm just going off of a

3827

02:41:17,910 --> 02:41:14,880

few different things i've seen

3828

02:41:19,910 --> 02:41:17,920

um on the object but i guess my main

3829

02:41:22,950 --> 02:41:19,920

point is jimmy like yeah sure we we do

3830

02:41:23,830 --> 02:41:22,960

that and we send probes and maybe you

3831

02:41:26,790 --> 02:41:23,840

know

3832

02:41:28,550 --> 02:41:26,800

uh maybe there's a galactic civilization

3833

02:41:30,469 --> 02:41:28,560

that just decided to like launch

3834

02:41:32,150 --> 02:41:30,479

something towards our sun so that we

3835

02:41:33,670 --> 02:41:32,160

would see it you know and it would fly

3836

02:41:36,150 --> 02:41:33,680

by us

3837

02:41:38,550 --> 02:41:36,160

but my main point is just that

3838

02:41:40,790 --> 02:41:38,560

the level of technological advancement

3839

02:41:44,389 --> 02:41:40,800

of a lot of the species that clearly

3840

02:41:47,349 --> 02:41:44,399

visit earth a lot based on the countless

3841

02:41:50,510 --> 02:41:47,359

contact experiences ce5s witness

3842

02:41:52,230 --> 02:41:50,520

accounts ufo sightings you know

3843

02:41:54,710 --> 02:41:52,240

cinematography

3844

02:41:56,550 --> 02:41:54,720

of of people like you know james

3845

02:41:58,230 --> 02:41:56,560

gilliland at east eddy ranch and i've

3846

02:41:59,590 --> 02:41:58,240

been up there and seen tons of ships on

3847

02:42:01,910 --> 02:41:59,600

his property and i've seen them all over

3848

02:42:04,070 --> 02:42:01,920

the place and it's like

3849

02:42:05,510 --> 02:42:04,080

why would they even need to do that i

3850

02:42:07,830 --> 02:42:05,520

mean like

3851  
02:42:08,630 --> 02:42:07,840  
unless this civilization was just having

3852  
02:42:10,550 --> 02:42:08,640  
fun

3853  
02:42:12,950 --> 02:42:10,560  
and throwing a probe by us and maybe

3854  
02:42:14,870 --> 02:42:12,960  
that's the case and to the mainstream

3855  
02:42:17,510 --> 02:42:14,880  
science world it's big it's like oh my

3856  
02:42:18,790 --> 02:42:17,520  
god a probe from an alien civilization

3857  
02:42:20,790 --> 02:42:18,800  
my god

3858  
02:42:22,870 --> 02:42:20,800  
jim that could be huge you know this

3859  
02:42:24,950 --> 02:42:22,880  
could be an object if we could have only

3860  
02:42:26,950 --> 02:42:24,960  
caught it and studied it you know we

3861  
02:42:29,830 --> 02:42:26,960  
would know something mole but they're

3862  
02:42:31,030 --> 02:42:29,840  
just not paying attention and completely

3863  
02:42:34,469 --> 02:42:31,040

ignoring

3864

02:42:36,389 --> 02:42:34,479

the literally like millions of sightings

3865

02:42:38,950 --> 02:42:36,399

happening all the time around this

3866

02:42:41,349 --> 02:42:38,960

planet of highly advanced spacecraft

3867

02:42:43,349 --> 02:42:41,359

coming in shooting 90 degrees turning

3868

02:42:46,550 --> 02:42:43,359

blipping shooting through tears in the

3869

02:42:48,710 --> 02:42:46,560

sky i mean you name it so anyway that's

3870

02:42:50,870 --> 02:42:48,720

what i'm saying is is like it doesn't

3871

02:42:54,070 --> 02:42:50,880

mean that much to me to be honest

3872

02:42:56,710 --> 02:42:54,080

now the the next the last thing that i

3873

02:43:00,309 --> 02:42:56,720

want to discuss with you is

3874

02:43:03,750 --> 02:43:00,319

consciousness and and and what it is

3875

02:43:07,590 --> 02:43:03,760

and i feel that

3876

02:43:09,590 --> 02:43:07,600

there is a shift in science

3877

02:43:11,830 --> 02:43:09,600

and certainly in physics

3878

02:43:14,150 --> 02:43:11,840

uh to having a conversation about

3879

02:43:16,230 --> 02:43:14,160

consciousness today where that wasn't

3880

02:43:18,230 --> 02:43:16,240

the case in the past you had philosophy

3881

02:43:21,190 --> 02:43:18,240

on one side he had science on the other

3882

02:43:22,550 --> 02:43:21,200

before that philosophy was science right

3883

02:43:25,510 --> 02:43:22,560

and we've had these

3884

02:43:27,670 --> 02:43:25,520

we've had these changes but uh

3885

02:43:29,750 --> 02:43:27,680

scientists in physics

3886

02:43:31,190 --> 02:43:29,760

really did not want to go into the realm

3887

02:43:32,309 --> 02:43:31,200

of something that they couldn't measure

3888

02:43:34,070 --> 02:43:32,319

or prove

3889

02:43:37,269 --> 02:43:34,080

and they never wanted to put

3890

02:43:39,510 --> 02:43:37,279

consciousness or what what that could be

3891

02:43:40,790 --> 02:43:39,520

on the table i think it's starting to

3892

02:43:42,630 --> 02:43:40,800

shift

3893

02:43:44,469 --> 02:43:42,640

do you think that this is now a

3894

02:43:46,630 --> 02:43:44,479

conversation that physicists are ready

3895

02:43:49,429 --> 02:43:46,640

to start having

3896

02:43:50,550 --> 02:43:49,439

i think that it's a conversation we have

3897

02:43:53,670 --> 02:43:50,560

to have

3898

02:43:55,269 --> 02:43:53,680

it's required we're at the point where

3899

02:43:58,710 --> 02:43:55,279

we understand

3900

02:44:00,950 --> 02:43:58,720

that observational analysis

3901  
02:44:02,469 --> 02:44:00,960  
requires understanding the nature of

3902  
02:44:05,429 --> 02:44:02,479  
observation

3903  
02:44:07,590 --> 02:44:05,439  
as much as it does analysis

3904  
02:44:09,670 --> 02:44:07,600  
you can't observe without studying the

3905  
02:44:10,790 --> 02:44:09,680  
observer and the nature of that which is

3906  
02:44:13,349 --> 02:44:10,800  
perceiving

3907  
02:44:14,950 --> 02:44:13,359  
and you can't measure without observing

3908  
02:44:17,830 --> 02:44:14,960  
so

3909  
02:44:19,420 --> 02:44:17,840  
are we are we in a paradox is this a is

3910  
02:44:23,110 --> 02:44:19,430  
this a bonafide conundrum

3911  
02:44:27,910 --> 02:44:24,230  
or

3912  
02:44:31,510 --> 02:44:27,920  
is is are we at a point now where

3913  
02:44:33,670 --> 02:44:31,520

physicists may be up to the challenge of

3914

02:44:36,230 --> 02:44:33,680

trying to measure and and trying to

3915

02:44:37,190 --> 02:44:36,240

observe what consciousness may be

3916

02:44:41,830 --> 02:44:37,200

yeah

3917

02:44:44,550 --> 02:44:41,840

it's as i said it's required we have to

3918

02:44:46,950 --> 02:44:44,560

do it we have to understand it but you

3919

02:44:48,630 --> 02:44:46,960

know we've we've built so many

3920

02:44:51,830 --> 02:44:48,640

specialization

3921

02:44:54,389 --> 02:44:51,840

containers to our studies in science

3922

02:44:56,630 --> 02:44:54,399

that i find it extraordinary fascinating

3923

02:44:59,349 --> 02:44:56,640

when i see these breakthroughs in

3924

02:45:01,510 --> 02:44:59,359

neuroscience and neurobiology and that

3925

02:45:04,150 --> 02:45:01,520

hasn't propagated over to the physicists

3926

02:45:06,070 --> 02:45:04,160

yet right and it takes bridges you know

3927

02:45:07,590 --> 02:45:06,080

like my good friend william brown and i

3928

02:45:10,710 --> 02:45:07,600

talk about this a lot when we do our

3929

02:45:12,469 --> 02:45:10,720

residence academy sessions where we do q

3930

02:45:14,309 --> 02:45:12,479

and a's with the students you know once

3931

02:45:16,309 --> 02:45:14,319

a month every third wednesday if you're

3932

02:45:18,710 --> 02:45:16,319

a residence academy student you get to

3933

02:45:20,389 --> 02:45:18,720

get on live with william and i and jamie

3934

02:45:23,429 --> 02:45:20,399

and marshall efforts who wrote

3935

02:45:25,830 --> 02:45:23,439

cosmometry amazing book um on my shelf

3936

02:45:28,150 --> 02:45:25,840

here behind me and and essentially

3937

02:45:29,110 --> 02:45:28,160

william and i love to get into this

3938

02:45:31,990 --> 02:45:29,120

because

3939

02:45:36,309 --> 02:45:32,000

you know the kinds of incredible things

3940

02:45:38,230 --> 02:45:36,319

that we find and discover in biophysics

3941

02:45:41,110 --> 02:45:38,240

the actual study of what's going on in

3942

02:45:44,230 --> 02:45:41,120

the body and the measurable experimental

3943

02:45:46,630 --> 02:45:44,240

things that prove that the body has

3944

02:45:49,510 --> 02:45:46,640

these incredible capacities and

3945

02:45:52,230 --> 02:45:49,520

especially in relationship to matter

3946

02:45:54,870 --> 02:45:52,240

things like water and electricity and

3947

02:45:58,070 --> 02:45:54,880

the way that we operate is just this

3948

02:46:00,389 --> 02:45:58,080

vast well stream of of beauty and

3949

02:46:03,110 --> 02:46:00,399

knowledge that that literally breaks the

3950

02:46:05,429 --> 02:46:03,120

ground in other fields in areas like

3951  
02:46:07,750 --> 02:46:05,439  
physics where you just think that things

3952  
02:46:09,429 --> 02:46:07,760  
are this way and it's got to be this way

3953  
02:46:12,150 --> 02:46:09,439  
because there's so much momentum in the

3954  
02:46:15,030 --> 02:46:12,160  
thinking around it but you know it still

3955  
02:46:17,110 --> 02:46:15,040  
surprises me a lot that when i look out

3956  
02:46:19,429 --> 02:46:17,120  
into the world and i realize wow

3957  
02:46:22,070 --> 02:46:19,439  
everybody still thinks quantum mechanics

3958  
02:46:24,550 --> 02:46:22,080  
is the thing that like it's correct like

3959  
02:46:26,790 --> 02:46:24,560  
the standard model is correct and it's

3960  
02:46:27,670 --> 02:46:26,800  
got all the stuff figured out and i'm

3961  
02:46:30,710 --> 02:46:27,680  
like

3962  
02:46:32,950 --> 02:46:30,720  
my god you know i 10 years ago or 15

3963  
02:46:35,110 --> 02:46:32,960

years ago realized the faults in the

3964

02:46:37,670 --> 02:46:35,120

standard model of physics you know and

3965

02:46:39,830 --> 02:46:37,680

the sim has been you know nailing the

3966

02:46:42,790 --> 02:46:39,840

nails in the coffin of the standard

3967

02:46:45,590 --> 02:46:42,800

model for years and years and years

3968

02:46:47,670 --> 02:46:45,600

and and yet it's still what everybody

3969

02:46:49,269 --> 02:46:47,680

believes is the standard model of

3970

02:46:52,790 --> 02:46:49,279

physics that's a reason why they call it

3971

02:46:54,870 --> 02:46:52,800

the standard model you know and so it's

3972

02:46:55,750 --> 02:46:54,880

it takes a while for these things to

3973

02:46:58,070 --> 02:46:55,760

turn

3974

02:47:00,309 --> 02:46:58,080

and i will say that the greatest

3975

02:47:02,309 --> 02:47:00,319

breakthroughs i see in the fields of

3976

02:47:05,030 --> 02:47:02,319

biophysics and the fields of technology

3977

02:47:08,309 --> 02:47:05,040

in the fields of astrophysics and you

3978

02:47:09,910 --> 02:47:08,319

know you name you name the area you name

3979

02:47:12,469 --> 02:47:09,920

the academic study

3980

02:47:15,110 --> 02:47:12,479

the people who have done the work

3981

02:47:17,269 --> 02:47:15,120

to understand consciousness

3982

02:47:20,870 --> 02:47:17,279

the mechanisms of consciousness the

3983

02:47:23,269 --> 02:47:20,880

metaphysics of consciousness the long

3984

02:47:24,469 --> 02:47:23,279

history of philosophy connected to

3985

02:47:26,630 --> 02:47:24,479

consciousness

3986

02:47:29,349 --> 02:47:26,640

that's where the breakthroughs come from

3987

02:47:31,269 --> 02:47:29,359

because we're not separating the two

3988

02:47:33,990 --> 02:47:31,279

we're understanding that consciousness

3989

02:47:36,790 --> 02:47:34,000

is inherent to the patterns that we

3990

02:47:40,790 --> 02:47:36,800

perceive it's inherent to the nature of

3991

02:47:44,150 --> 02:47:40,800

space and time itself and so physics and

3992

02:47:46,710 --> 02:47:44,160

and psychology and philosophy and

3993

02:47:49,510 --> 02:47:46,720

cultural anthropology and all of these

3994

02:47:52,870 --> 02:47:49,520

fields unite around a single hub and

3995

02:47:55,349 --> 02:47:52,880

that hub is how we perceive that hub is

3996

02:47:57,349 --> 02:47:55,359

consciousness itself and the ways and

3997

02:47:59,510 --> 02:47:57,359

patterns through which consciousness

3998

02:48:02,550 --> 02:47:59,520

evolves

3999

02:48:05,030 --> 02:48:02,560

physicists i i keep saying physicists

4000

02:48:08,630 --> 02:48:05,040

but let's just stay right there sure um

4001  
02:48:09,750 --> 02:48:08,640  
know that they can speak laugh feel

4002  
02:48:11,990 --> 02:48:09,760  
taste

4003  
02:48:13,910 --> 02:48:12,000  
right emotions they know that

4004  
02:48:16,710 --> 02:48:13,920  
consciousness exists and that they can

4005  
02:48:17,910 --> 02:48:16,720  
think and postulate about these

4006  
02:48:20,710 --> 02:48:17,920  
subjects

4007  
02:48:23,030 --> 02:48:20,720  
because they are sentient and they have

4008  
02:48:26,070 --> 02:48:23,040  
uh consciousness yes

4009  
02:48:28,469 --> 02:48:26,080  
but one of the things that

4010  
02:48:30,630 --> 02:48:28,479  
i think it comes down to chemistry

4011  
02:48:33,510 --> 02:48:30,640  
and that they feel that there is a

4012  
02:48:36,070 --> 02:48:33,520  
little piece of consciousness in every

4013  
02:48:38,230 --> 02:48:36,080

particle and once you get a mass of

4014

02:48:40,630 --> 02:48:38,240

things together the consciousness builds

4015

02:48:42,710 --> 02:48:40,640

up and creates

4016

02:48:45,349 --> 02:48:42,720

like in our brain right or any other

4017

02:48:47,190 --> 02:48:45,359

sentient being do you follow that path

4018

02:48:49,349 --> 02:48:47,200

do you think that there's a little taste

4019

02:48:51,670 --> 02:48:49,359

of consciousness in every particle and

4020

02:48:54,870 --> 02:48:51,680

if that is the case isn't that primed

4021

02:48:57,510 --> 02:48:54,880

and ready to be measured um

4022

02:49:00,389 --> 02:48:57,520

yeah there's problems with that approach

4023

02:49:02,790 --> 02:49:00,399

and and i'll just point to

4024

02:49:04,790 --> 02:49:02,800

where that approach comes from you you

4025

02:49:06,950 --> 02:49:04,800

want to know the lineage of that idea

4026

02:49:08,469 --> 02:49:06,960

okay talk to me

4027

02:49:09,750 --> 02:49:08,479

go back to

4028

02:49:12,469 --> 02:49:09,760

dickheart

4029

02:49:14,950 --> 02:49:12,479

descartes is the guy because descartes

4030

02:49:17,349 --> 02:49:14,960

you know he's trying to say like

4031

02:49:19,590 --> 02:49:17,359

he he he both provided brilliant

4032

02:49:21,990 --> 02:49:19,600

insights one of his brilliant insights

4033

02:49:24,389 --> 02:49:22,000

was kind of the formative idea of the

4034

02:49:27,030 --> 02:49:24,399

enlightenment and that was essentially i

4035

02:49:29,670 --> 02:49:27,040

think therefore i am and also

4036

02:49:32,469 --> 02:49:29,680

that i have the ability to discover

4037

02:49:34,469 --> 02:49:32,479

truth myself i don't need the church to

4038

02:49:36,230 --> 02:49:34,479

do it i don't need a higher power to do

4039

02:49:39,190 --> 02:49:36,240

it i don't need anybody else to do it i

4040

02:49:41,190 --> 02:49:39,200

can find the truth i am self-empowered

4041

02:49:44,070 --> 02:49:41,200

to do that that was a big thing and a

4042

02:49:46,070 --> 02:49:44,080

big contribution from descartes however

4043

02:49:48,950 --> 02:49:46,080

he also took another road and the other

4044

02:49:51,590 --> 02:49:48,960

road was about trying to understand

4045

02:49:52,790 --> 02:49:51,600

where and how consciousness sits inside

4046

02:49:54,870 --> 02:49:52,800

of bodies

4047

02:49:56,070 --> 02:49:54,880

and he essentially

4048

02:49:58,710 --> 02:49:56,080

looked at

4049

02:50:01,990 --> 02:49:58,720

animals and everything else

4050

02:50:04,710 --> 02:50:02,000

any kind of life as a machine

4051  
02:50:06,710 --> 02:50:04,720  
and he thought consciousness must be

4052  
02:50:09,110 --> 02:50:06,720  
separate from the machine

4053  
02:50:10,790 --> 02:50:09,120  
that means and and and if consciousness

4054  
02:50:12,870 --> 02:50:10,800  
is separate from the machine then

4055  
02:50:15,910 --> 02:50:12,880  
probably the only thing that actually

4056  
02:50:18,950 --> 02:50:15,920  
has consciousness is humans because

4057  
02:50:20,950 --> 02:50:18,960  
humans have souls right so even though

4058  
02:50:23,110 --> 02:50:20,960  
he was like kind of escaping out of the

4059  
02:50:25,429 --> 02:50:23,120  
trajectory of the control of the church

4060  
02:50:27,990 --> 02:50:25,439  
and all of that he still played right

4061  
02:50:29,910 --> 02:50:28,000  
along with the church's idea that human

4062  
02:50:32,150 --> 02:50:29,920  
beings are the only things with souls

4063  
02:50:34,389 --> 02:50:32,160

that means animals and all other life

4064

02:50:36,230 --> 02:50:34,399

forms are automatons

4065

02:50:38,469 --> 02:50:36,240

and that if you could just cut them up

4066

02:50:39,830 --> 02:50:38,479

into small enough pieces you would

4067

02:50:42,389 --> 02:50:39,840

understand how everything in the

4068

02:50:46,309 --> 02:50:42,399

universe works it's all a mechanical

4069

02:50:49,030 --> 02:50:46,319

engine right and this idea has continued

4070

02:50:51,510 --> 02:50:49,040

to persist in our studies of physics and

4071

02:50:53,510 --> 02:50:51,520

philosophy since that time and

4072

02:50:55,590 --> 02:50:53,520

particularly in the physics world and

4073

02:50:57,990 --> 02:50:55,600

anything using the scientific method it

4074

02:51:00,550 --> 02:50:58,000

says if i take this object and i break

4075

02:51:02,950 --> 02:51:00,560

it down enough then i can understand all

4076

02:51:04,790 --> 02:51:02,960

the parts inside of it and therefore i

4077

02:51:07,269 --> 02:51:04,800

will fully understand it

4078

02:51:09,349 --> 02:51:07,279

but there's already one area in physics

4079

02:51:10,550 --> 02:51:09,359

where this becomes a huge fallacy and a

4080

02:51:13,750 --> 02:51:10,560

big problem

4081

02:51:16,150 --> 02:51:13,760

because we literally take protons and we

4082

02:51:18,070 --> 02:51:16,160

slam them together at near the speed of

4083

02:51:19,910 --> 02:51:18,080

light and now remember back in the

4084

02:51:22,309 --> 02:51:19,920

beginning of this whole presentation

4085

02:51:25,190 --> 02:51:22,319

jimmy we were talking about protons and

4086

02:51:26,070 --> 02:51:25,200

i said something i said protons never

4087

02:51:28,790 --> 02:51:26,080

die

4088

02:51:30,469 --> 02:51:28,800

protons last for lifetimes of the

4089

02:51:34,710 --> 02:51:30,479

universe they're literally the most

4090

02:51:36,389 --> 02:51:34,720

stable object in the entire universe is

4091

02:51:38,469 --> 02:51:36,399

the proton right

4092

02:51:40,710 --> 02:51:38,479

yeah and and so these things are

4093

02:51:42,550 --> 02:51:40,720

basically perfect if there's anything we

4094

02:51:43,830 --> 02:51:42,560

could say is perfect

4095

02:51:46,950 --> 02:51:43,840

in the universe

4096

02:51:49,990 --> 02:51:46,960

it's the structure of a proton because

4097

02:51:53,510 --> 02:51:50,000

i mean if you if you deem perfection by

4098

02:51:54,389 --> 02:51:53,520

longevity then it definitely is right

4099

02:51:55,110 --> 02:51:54,399

but

4100

02:51:57,590 --> 02:51:55,120

we

4101  
02:51:58,550 --> 02:51:57,600  
don't to understand the proton what do

4102  
02:52:02,550 --> 02:51:58,560  
we do

4103  
02:52:05,670 --> 02:52:02,560  
we slam it into another proton and blast

4104  
02:52:08,309 --> 02:52:05,680  
that thing apart we literally destroy it

4105  
02:52:10,070 --> 02:52:08,319  
and we take pictures of the wreckage

4106  
02:52:12,150 --> 02:52:10,080  
and you know nisim used to say this

4107  
02:52:14,950 --> 02:52:12,160  
thing that i absolutely loved and he was

4108  
02:52:17,910 --> 02:52:14,960  
like he was like trying to

4109  
02:52:21,349 --> 02:52:17,920  
understand the proton

4110  
02:52:22,710 --> 02:52:21,359  
by slamming the into another proton is

4111  
02:52:23,710 --> 02:52:22,720  
like taking

4112  
02:52:27,349 --> 02:52:23,720  
two

4113  
02:52:28,389 --> 02:52:27,359

747s and crashing them together in

4114

02:52:31,910 --> 02:52:28,399

midair

4115

02:52:35,269 --> 02:52:31,920

and taking photos of the wreckage

4116

02:52:39,110 --> 02:52:35,279

i love that because he's dead on

4117

02:52:39,120 --> 02:52:44,550

thanks i love nasa

4118

02:52:49,510 --> 02:52:46,550

but yeah he's like it's like crashing

4119

02:52:50,950 --> 02:52:49,520

two 747 jets together and then taking

4120

02:52:53,429 --> 02:52:50,960

pictures of the wreckage to try to

4121

02:52:55,910 --> 02:52:53,439

understand how to build a 747.

4122

02:52:58,309 --> 02:52:55,920

you can't do it that way and this is

4123

02:53:00,469 --> 02:52:58,319

also true of consciousness because the

4124

02:53:02,550 --> 02:53:00,479

more we actually understand the nature

4125

02:53:05,590 --> 02:53:02,560

and functionality of consciousness the

4126  
02:53:07,750 --> 02:53:05,600  
more we realize it doesn't it's not like

4127  
02:53:09,910 --> 02:53:07,760  
a bunch of pieces put together that

4128  
02:53:11,429 --> 02:53:09,920  
build a structure and then you have

4129  
02:53:13,110 --> 02:53:11,439  
consciousness you know and they're all

4130  
02:53:15,429 --> 02:53:13,120  
little parts of consciousness that make

4131  
02:53:17,590 --> 02:53:15,439  
up a bigger thing of consciousness no

4132  
02:53:19,510 --> 02:53:17,600  
consciousness is holographic

4133  
02:53:20,309 --> 02:53:19,520  
it operates much more

4134  
02:53:23,670 --> 02:53:20,319  
like

4135  
02:53:26,790 --> 02:53:23,680  
the model of the small the proton

4136  
02:53:29,190 --> 02:53:26,800  
contains inside of it a holographic

4137  
02:53:30,870 --> 02:53:29,200  
information set that connects to the

4138  
02:53:33,830 --> 02:53:30,880

entire universe

4139

02:53:36,630 --> 02:53:33,840

and that consciousness is not isolated

4140

02:53:38,870 --> 02:53:36,640

to a proton or a plonk unit or a

4141

02:53:41,510 --> 02:53:38,880

collection of those that make a brain

4142

02:53:43,830 --> 02:53:41,520

consciousness actually is

4143

02:53:46,790 --> 02:53:43,840

the wormhole information network of

4144

02:53:47,910 --> 02:53:46,800

space-time itself it's literally

4145

02:53:54,710 --> 02:53:47,920

space-time

4146

02:53:56,950 --> 02:53:54,720

as an individualized being or soul or

4147

02:53:59,110 --> 02:53:56,960

whatever you want to call me and by the

4148

02:54:02,070 --> 02:53:59,120

way i think animals and many other forms

4149

02:54:04,550 --> 02:54:02,080

of life we all have our own self-aware

4150

02:54:05,349 --> 02:54:04,560

referenced points of consciousness

4151

02:54:08,070 --> 02:54:05,359

we

4152

02:54:11,510 --> 02:54:08,080

are an actual convergence point of

4153

02:54:14,790 --> 02:54:11,520

consciousness that self-sustains itself

4154

02:54:17,429 --> 02:54:14,800

and exists with the same level of

4155

02:54:19,910 --> 02:54:17,439

self-referencing capacity as a proton

4156

02:54:22,230 --> 02:54:19,920

where we literally carry information

4157

02:54:24,790 --> 02:54:22,240

body after body after body after body

4158

02:54:27,110 --> 02:54:24,800

that we incarnate into we exist with

4159

02:54:29,670 --> 02:54:27,120

awareness even when we're not inside of

4160

02:54:32,070 --> 02:54:29,680

a vehicle like a body and when we're in

4161

02:54:35,590 --> 02:54:32,080

a body our body is actually an

4162

02:54:38,469 --> 02:54:35,600

interactive holographic geodesic mirror

4163

02:54:41,269 --> 02:54:38,479

of our soul nature it's part of who we

4164

02:54:42,870 --> 02:54:41,279

are also and so it when you get into

4165

02:54:45,110 --> 02:54:42,880

this it's like

4166

02:54:46,790 --> 02:54:45,120

ah the idea is so much less about

4167

02:54:48,469 --> 02:54:46,800

putting together the parts to make a

4168

02:54:51,269 --> 02:54:48,479

whole and much more about understanding

4169

02:54:52,070 --> 02:54:51,279

that the hole is in all the parts

4170

02:54:54,790 --> 02:54:52,080

and

4171

02:54:57,590 --> 02:54:54,800

all the holes are sacred

4172

02:55:00,389 --> 02:54:57,600

all the holes are special every every

4173

02:55:03,910 --> 02:55:00,399

piece every aggregation every person

4174

02:55:06,550 --> 02:55:03,920

every individualized essence of being is

4175

02:55:09,030 --> 02:55:06,560

beautiful and perfect and and

4176  
02:55:11,269 --> 02:55:09,040  
cannot actually even be defined or a

4177  
02:55:14,070 --> 02:55:11,279  
circle be drawn around it unless you're

4178  
02:55:14,830 --> 02:55:14,080  
taking into context eternity

4179  
02:55:17,990 --> 02:55:14,840  
now

4180  
02:55:19,750 --> 02:55:18,000  
uh has et

4181  
02:55:22,710 --> 02:55:19,760  
measured this

4182  
02:55:24,150 --> 02:55:22,720  
has an extraterrestrial civilization

4183  
02:55:27,910 --> 02:55:24,160  
advanced enough

4184  
02:55:29,990 --> 02:55:27,920  
to measure this measure what what what

4185  
02:55:31,429 --> 02:55:30,000  
cannot be measured

4186  
02:55:34,150 --> 02:55:31,439  
yeah well

4187  
02:55:35,910 --> 02:55:34,160  
um i don't know if measured

4188  
02:55:37,110 --> 02:55:35,920

is the right word

4189

02:55:40,710 --> 02:55:37,120

um

4190

02:55:43,910 --> 02:55:40,720

but to define or to

4191

02:55:46,389 --> 02:55:43,920

understand the holographic geometry

4192

02:55:48,950 --> 02:55:46,399

through which consciousness functions

4193

02:55:51,670 --> 02:55:48,960

i think is doable um

4194

02:55:54,309 --> 02:55:51,680

in fact caroline and i you know hung out

4195

02:55:56,389 --> 02:55:54,319

for a long time going into this going

4196

02:55:58,710 --> 02:55:56,399

into this puzzle of like how do we

4197

02:56:00,469 --> 02:55:58,720

measure consciousness right right how do

4198

02:56:04,150 --> 02:56:00,479

we prove consciousness

4199

02:56:06,309 --> 02:56:04,160

and and to her i also made the point of

4200

02:56:07,990 --> 02:56:06,319

we have been measuring consciousness all

4201  
02:56:09,910 --> 02:56:08,000  
along like

4202  
02:56:11,590 --> 02:56:09,920  
princeton engineering anomalies research

4203  
02:56:12,790 --> 02:56:11,600  
group we're measuring the effect of

4204  
02:56:14,469 --> 02:56:12,800  
consciousness on random number

4205  
02:56:16,309 --> 02:56:14,479  
generators you know we measure

4206  
02:56:17,910 --> 02:56:16,319  
consciousness every time we prove that

4207  
02:56:19,910 --> 02:56:17,920  
remote viewing works just like in her

4208  
02:56:22,070 --> 02:56:19,920  
movie superhuman where she essentially

4209  
02:56:24,790 --> 02:56:22,080  
is like proving that that works you know

4210  
02:56:27,349 --> 02:56:24,800  
we measure consciousness based on the

4211  
02:56:29,429 --> 02:56:27,359  
experience of the subtle energetic field

4212  
02:56:31,510 --> 02:56:29,439  
and understanding that the quantum

4213  
02:56:33,429 --> 02:56:31,520

vibrational field around the body

4214

02:56:35,910 --> 02:56:33,439

responds and moves based on

4215

02:56:38,389 --> 02:56:35,920

consciousness so you can bend a spoon

4216

02:56:41,510 --> 02:56:38,399

you can telekinetically move an object

4217

02:56:43,510 --> 02:56:41,520

there are so many things that we already

4218

02:56:45,750 --> 02:56:43,520

are proving in the science of

4219

02:56:48,630 --> 02:56:45,760

understanding how consciousness works

4220

02:56:51,110 --> 02:56:48,640

and interacts with space-time and for me

4221

02:56:53,349 --> 02:56:51,120

if there's any like you know

4222

02:56:55,030 --> 02:56:53,359

if there's a galactic model an

4223

02:56:57,190 --> 02:56:55,040

extraterrestrial model for how

4224

02:56:59,030 --> 02:56:57,200

consciousness works and operates

4225

02:57:01,269 --> 02:56:59,040

it's probably the one that i brought

4226  
02:57:03,910 --> 02:57:01,279  
through when i was 15 years old and i

4227  
02:57:06,070 --> 02:57:03,920  
call it the unified harmonic matrix and

4228  
02:57:08,950 --> 02:57:06,080  
it's essentially a quantum geometric

4229  
02:57:11,429 --> 02:57:08,960  
model a countable geometric model that

4230  
02:57:14,550 --> 02:57:11,439  
leverages harmonic geometries to

4231  
02:57:16,790 --> 02:57:14,560  
understand the fundamental interactive

4232  
02:57:19,349 --> 02:57:16,800  
relationships of consciousness with each

4233  
02:57:23,830 --> 02:57:19,359  
layer of space time and each dimension

4234  
02:57:25,990 --> 02:57:23,840  
of existence right and how how that that

4235  
02:57:28,469 --> 02:57:26,000  
uh that process

4236  
02:57:30,950 --> 02:57:28,479  
essentially allows

4237  
02:57:33,429 --> 02:57:30,960  
the universality of all kind of

4238  
02:57:35,990 --> 02:57:33,439

experience to happen while still

4239

02:57:38,550 --> 02:57:36,000

simplifying the way that we actually

4240

02:57:41,110 --> 02:57:38,560

energetically interact with everything

4241

02:57:43,030 --> 02:57:41,120

another great conversation my friend and

4242

02:57:45,190 --> 02:57:43,040

i can't wait we're going to get to hang

4243

02:57:46,630 --> 02:57:45,200

out in a couple of months at just your

4244

02:57:50,230 --> 02:57:46,640

best you're going to be here in

4245

02:57:53,269 --> 02:57:50,240

california down in san diego uh with uh

4246

02:57:54,870 --> 02:57:53,279

liberties and here's the deal um when do

4247

02:57:56,710 --> 02:57:54,880

you arrive

4248

02:57:59,190 --> 02:57:56,720

and will we have time in a couple of

4249

02:58:00,630 --> 02:57:59,200

weeks to hang out uh in san diego you

4250

02:58:03,269 --> 02:58:00,640

mean yeah yeah

4251

02:58:05,670 --> 02:58:03,279

yeah i think i'm coming in uh

4252

02:58:07,990 --> 02:58:05,680

the day before the night before the

4253

02:58:10,230 --> 02:58:08,000

conference and i'll pretty much be there

4254

02:58:12,469 --> 02:58:10,240

at the conference in san diego for

4255

02:58:15,510 --> 02:58:12,479

the two days and then i think i leave

4256

02:58:17,110 --> 02:58:15,520

monday night something like that

4257

02:58:19,110 --> 02:58:17,120

that's reason enough for me to come down

4258

02:58:21,269 --> 02:58:19,120

to san diego and hang out right come

4259

02:58:23,670 --> 02:58:21,279

down and hang out that sounds great

4260

02:58:25,190 --> 02:58:23,680

adam behave and be well and for

4261

02:58:26,710 --> 02:58:25,200

everybody it's very simple

4262

02:58:28,950 --> 02:58:26,720

atomapollo.com

4263

02:58:31,349 --> 02:58:28,960

is the website go and hang out the

4264

02:58:33,030 --> 02:58:31,359

residents academy adam you're the

4265

02:58:35,190 --> 02:58:33,040

absolute very best my friend thank you

4266

02:58:36,790 --> 02:58:35,200

so much thanks for having me jimmy great

4267

02:58:38,630 --> 02:58:36,800

to see you everyone thanks for having me

4268

02:58:40,389 --> 02:58:38,640

on your show and

4269

02:58:41,110 --> 02:58:40,399

love all you guys in the chat thank you

4270

02:58:42,790 --> 02:58:41,120

for

4271

02:58:44,830 --> 02:58:42,800

sharing and writing and expressing

4272

02:58:48,550 --> 02:58:44,840

yourself so

4273

02:58:51,269 --> 02:58:48,560

eloquently adam apollo that's why adam

4274

02:58:52,790 --> 02:58:51,279

was on with us tonight it's that mug

4275

02:58:58,230 --> 02:58:52,800

thank you

4276

02:59:00,950 --> 02:58:58,240

jimmy take care see you again soon

4277

02:59:04,070 --> 02:59:00,960

fade to black is

4278

02:59:07,429 --> 02:59:04,080

produced by hilton j palm renee

4279

02:59:10,309 --> 02:59:07,439

dennis and kevin oh look i got uh double

4280

02:59:13,030 --> 02:59:10,319

screens i got double screens tonight so

4281

02:59:15,030 --> 02:59:13,040

i actually i can shift over to here

4282

02:59:17,910 --> 02:59:15,040

announcers are steve harter gene vettel

4283

02:59:20,389 --> 02:59:17,920

mark d kovar webmaster is drew the geek

4284

02:59:22,790 --> 02:59:20,399

music doug aldrige intro spaceboy

4285

02:59:24,790 --> 02:59:22,800

spaceboymusic.com

4286

02:59:25,990 --> 02:59:24,800

paid to black is produced by kjcr for

4287

02:59:28,630 --> 02:59:26,000

the game changer network in this

4288

02:59:30,389 --> 02:59:28,640

broadcast owned a copyrighted 2022

4289

02:59:32,950 --> 02:59:30,399

by fade to black and the game changer

4290

02:59:34,790 --> 02:59:32,960

network inc it cannot be rebroadcast

4291

02:59:36,469 --> 02:59:34,800

downloaded copied or used anywhere in

4292

02:59:37,910 --> 02:59:36,479

the known universe without written

4293

02:59:39,429 --> 02:59:37,920

permission from fade to block of the

4294

02:59:42,389 --> 02:59:39,439

game changing network i'm yours jimmy

4295

02:59:43,590 --> 02:59:42,399

church tomorrow night right here billy

4296

02:59:45,910 --> 02:59:43,600

carson

4297

02:59:47,910 --> 02:59:45,920

the secrets of egypt i'm your host jimmy

4298

02:59:49,750 --> 02:59:47,920

church until tomorrow night i want

4299

02:59:56,310 --> 02:59:49,760

everybody to be safe