



The UFO Rabbit Hole

**A RATIONAL APPROACH
TO ANCIENT ALIENS**

[PT 3]

Episode 10

1
00:00:16,290 --> 00:00:16,010

[Music]

2
00:00:24,020 --> 00:00:16,300

[Applause]

3
00:00:31,029 --> 00:00:24,030

[Music]

4
00:00:36,470 --> 00:00:33,030
welcome back to the ufo rabbit hole

5
00:00:38,630 --> 00:00:36,480
podcast i'm your host kelly chase

6
00:00:40,790 --> 00:00:38,640
today we're going to take on what will

7
00:00:42,630 --> 00:00:40,800
be the third and final installment in

8
00:00:43,590 --> 00:00:42,640
our series about the ancient astronaut

9
00:00:45,590 --> 00:00:43,600
theory

10
00:00:47,670 --> 00:00:45,600
we've covered a lot of ground to get

11
00:00:49,110 --> 00:00:47,680
here and we have a very full episode to

12
00:00:50,470 --> 00:00:49,120
get through so i'm just going to jump

13
00:00:52,869 --> 00:00:50,480

right into it

14

00:00:54,950 --> 00:00:52,879

when we last left off we'd established

15

00:00:57,430 --> 00:00:54,960

that sites like gobekli tepe and the

16

00:00:59,189 --> 00:00:57,440

great sphinx present major challenges to

17

00:01:00,950 --> 00:00:59,199

the current narrative of the emergence

18

00:01:02,630 --> 00:01:00,960

of human civilization

19

00:01:05,590 --> 00:01:02,640

pushing back the advent of high

20

00:01:07,910 --> 00:01:05,600

civilization by thousands of years

21

00:01:09,670 --> 00:01:07,920

and while mainstream academia has thus

22

00:01:12,149 --> 00:01:09,680

far been reluctant to embrace this

23

00:01:14,149 --> 00:01:12,159

reality there is more than sufficient

24

00:01:16,789 --> 00:01:14,159

evidence to make the case that high

25

00:01:19,190 --> 00:01:16,799

human civilization has its origins

26
00:01:22,149 --> 00:01:19,200
sometime before the younger dryas more

27
00:01:23,990 --> 00:01:22,159
than 12 000 years ago

28
00:01:27,109 --> 00:01:24,000
this brings to light the astounding

29
00:01:29,830 --> 00:01:27,119
possibility that human civilization was

30
00:01:32,789 --> 00:01:29,840
in some way seated or at the very least

31
00:01:35,670 --> 00:01:32,799
guided by a highly advanced non-human

32
00:01:37,590 --> 00:01:35,680
intelligence in our distant past

33
00:01:41,350 --> 00:01:37,600
but what other evidence is there to

34
00:01:43,310 --> 00:01:41,360
support this admittedly audacious claim

35
00:01:45,190 --> 00:01:43,320
in my mind one of the most

36
00:01:47,429 --> 00:01:45,200
flabbergasting archaeological

37
00:01:49,830 --> 00:01:47,439
discoveries of our times is one that has

38
00:01:52,069 --> 00:01:49,840

gotten very little attention and has

39

00:01:54,469 --> 00:01:52,079

been almost entirely dismissed by

40

00:01:57,749 --> 00:01:54,479

mainstream academics

41

00:02:00,709 --> 00:01:57,759

in 2001 pauline zielitsky a marine

42

00:02:02,630 --> 00:02:00,719

engineer and her husband paul weinzwig

43

00:02:05,749 --> 00:02:02,640

owners of a canadian company called

44

00:02:07,670 --> 00:02:05,759

advanced digital communications or adc

45

00:02:09,589 --> 00:02:07,680

were working on a survey mission in

46

00:02:11,750 --> 00:02:09,599

partnership with the cuban government

47

00:02:13,670 --> 00:02:11,760

off the eastern tip of cuba

48

00:02:16,470 --> 00:02:13,680

the area is known to have been the site

49

00:02:19,030 --> 00:02:16,480

of several treasure-laden shipwrecks and

50

00:02:20,790 --> 00:02:19,040

adc was one of the handful of agencies

51
00:02:23,110 --> 00:02:20,800
that was working with fidel castro's

52
00:02:24,470 --> 00:02:23,120
government in an attempt to locate these

53
00:02:26,710 --> 00:02:24,480
riches

54
00:02:29,270 --> 00:02:26,720
the team was using advanced sonar

55
00:02:31,830 --> 00:02:29,280
equipment to scan a two-square kilometer

56
00:02:34,550 --> 00:02:31,840
area of the sea floor when they noticed

57
00:02:37,270 --> 00:02:34,560
a series of symmetrical and geometric

58
00:02:38,710 --> 00:02:37,280
stone structures resembling an urban

59
00:02:41,030 --> 00:02:38,720
complex

60
00:02:43,990 --> 00:02:41,040
there lurking below the waters were

61
00:02:46,550 --> 00:02:44,000
symmetrical pyramids the foundations of

62
00:02:47,990 --> 00:02:46,560
vast structures and wide grid-like

63
00:02:50,790 --> 00:02:48,000

boulevards

64

00:02:53,270 --> 00:02:50,800

in my mind at least the man-made nature

65

00:02:55,350 --> 00:02:53,280

of these structures is undeniable an

66

00:02:58,710 --> 00:02:55,360

evocative of the complexes built by the

67

00:03:00,630 --> 00:02:58,720

mayans and aztecs but as always i don't

68

00:03:02,710 --> 00:03:00,640

think you should take my word for it

69

00:03:04,229 --> 00:03:02,720

seriously go look at the pictures for

70

00:03:05,190 --> 00:03:04,239

yourself right now and decide for

71

00:03:06,869 --> 00:03:05,200

yourself

72

00:03:09,030 --> 00:03:06,879

you can find them in the full episode

73

00:03:11,190 --> 00:03:09,040

brief that's linked in the description

74

00:03:13,350 --> 00:03:11,200

so unless you're driving go look at them

75

00:03:14,790 --> 00:03:13,360

right now if you're driving i'm going to

76
00:03:16,550 --> 00:03:14,800
need you to keep your eyes on the road

77
00:03:18,869 --> 00:03:16,560
and your hands at 10 and 2. you can see

78
00:03:21,509 --> 00:03:18,879
them later but once you've seen the

79
00:03:24,390 --> 00:03:21,519
pictures i think you'll see what i mean

80
00:03:26,470 --> 00:03:24,400
it looks like the ruins of a city and as

81
00:03:28,550 --> 00:03:26,480
far as i could tell in my research no

82
00:03:30,390 --> 00:03:28,560
one has so much has ventured a guess as

83
00:03:34,309 --> 00:03:30,400
to how these structures could be the

84
00:03:37,190 --> 00:03:34,319
result of natural geological processes

85
00:03:40,229 --> 00:03:37,200
in july 2001 they returned to the site

86
00:03:42,309 --> 00:03:40,239
with geologist manuel iduralde senior

87
00:03:43,350 --> 00:03:42,319
researcher of cuba's natural history

88
00:03:45,430 --> 00:03:43,360

museum

89

00:03:47,990 --> 00:03:45,440

this time equipped with a remotely

90

00:03:49,190 --> 00:03:48,000

operated vehicle to examine and film the

91

00:03:51,110 --> 00:03:49,200

structures

92

00:03:53,589 --> 00:03:51,120

the cameras revealed even more

93

00:03:55,350 --> 00:03:53,599

astonishing evidence including large

94

00:03:57,830 --> 00:03:55,360

perfectly cut stones of granite

95

00:03:59,750 --> 00:03:57,840

measuring eight feet by ten feet stacked

96

00:04:02,309 --> 00:03:59,760

on top of each other

97

00:04:04,789 --> 00:04:02,319

despite these findings iteralday who has

98

00:04:07,270 --> 00:04:04,799

studied countless underwater formations

99

00:04:08,630 --> 00:04:07,280

was reluctant to draw any conclusions

100

00:04:11,110 --> 00:04:08,640

saying only

101
00:04:13,270 --> 00:04:11,120
these are extremely peculiar structures

102
00:04:14,710 --> 00:04:13,280
and they have captured our imagination

103
00:04:17,590 --> 00:04:14,720
but if i had to explain this

104
00:04:18,550 --> 00:04:17,600
geologically i would have a hard time

105
00:04:20,390 --> 00:04:18,560
so

106
00:04:23,670 --> 00:04:20,400
why the reluctance to call this

107
00:04:25,510 --> 00:04:23,680
submerged city what it so clearly is

108
00:04:28,150 --> 00:04:25,520
the answer is that according to the

109
00:04:29,749 --> 00:04:28,160
mainstream narrative of human history it

110
00:04:32,390 --> 00:04:29,759
shouldn't be there

111
00:04:36,550 --> 00:04:32,400
because the last time that particular

112
00:04:39,590 --> 00:04:36,560
area was above water was 50 000 years

113
00:04:41,350 --> 00:04:39,600

ago approximately 40 000 years before

114

00:04:43,909 --> 00:04:41,360

the end of the last ice age and the

115

00:04:46,469 --> 00:04:43,919

building of gobekli tepe

116

00:04:47,990 --> 00:04:46,479

which as you'll recall is itself a

117

00:04:51,270 --> 00:04:48,000

megalithic structure that has been

118

00:04:52,629 --> 00:04:51,280

definitively dated to 7 000 years before

119

00:04:54,469 --> 00:04:52,639

humans were supposed to have been

120

00:04:58,070 --> 00:04:54,479

advanced enough to build something of

121

00:04:59,909 --> 00:04:58,080

that scale at this point it's glaringly

122

00:05:02,550 --> 00:04:59,919

obvious that we don't just have the

123

00:05:04,790 --> 00:05:02,560

history of human civilization wrong but

124

00:05:08,469 --> 00:05:04,800

we've undershot its true age by

125

00:05:11,590 --> 00:05:08,479

literally thousands of years if not tens

126
00:05:14,070 --> 00:05:11,600
of thousands of years and yet mainstream

127
00:05:16,870 --> 00:05:14,080
academia simply refuses to engage with

128
00:05:19,110 --> 00:05:16,880
this reality dismissing and discrediting

129
00:05:20,790 --> 00:05:19,120
any archaeological find that contradicts

130
00:05:22,870 --> 00:05:20,800
their dogma

131
00:05:24,950 --> 00:05:22,880
in the case of the underwater city off

132
00:05:27,430 --> 00:05:24,960
the coast of cuba the response of

133
00:05:28,629 --> 00:05:27,440
mainstream academia has been to rewrite

134
00:05:30,790 --> 00:05:28,639
history

135
00:05:32,629 --> 00:05:30,800
after initially refusing to acknowledge

136
00:05:35,590 --> 00:05:32,639
the site because its existence was

137
00:05:37,430 --> 00:05:35,600
impossible it seems that some academics

138
00:05:40,070 --> 00:05:37,440

have found a workaround

139

00:05:42,070 --> 00:05:40,080

it has now been accepted by some that

140

00:05:45,430 --> 00:05:42,080

the ruins are legitimate but that they

141

00:05:46,390 --> 00:05:45,440

are 6 000 years old and not 50 000 years

142

00:05:49,510 --> 00:05:46,400

old

143

00:05:52,070 --> 00:05:49,520

and how did they come to this state

144

00:05:54,150 --> 00:05:52,080

on the coast near the site is another

145

00:05:57,270 --> 00:05:54,160

megalithic structure that was first

146

00:06:00,230 --> 00:05:57,280

excavated in 1966 which is believed to

147

00:06:02,469 --> 00:06:00,240

be six thousand years old therefore the

148

00:06:04,390 --> 00:06:02,479

underwater city must also be six

149

00:06:05,350 --> 00:06:04,400

thousand years old

150

00:06:07,909 --> 00:06:05,360

however

151
00:06:09,830 --> 00:06:07,919
thus far no explanation has been given

152
00:06:11,909 --> 00:06:09,840
as to how the city could have been built

153
00:06:13,189 --> 00:06:11,919
on a site that was underwater at the

154
00:06:14,550 --> 00:06:13,199
time that it was alleged to have been

155
00:06:17,110 --> 00:06:14,560
built

156
00:06:19,909 --> 00:06:17,120
to be clear i'm not saying that the city

157
00:06:22,230 --> 00:06:19,919
is definitely 50 000 years old there is

158
00:06:25,270 --> 00:06:22,240
still a lot of work to do before anyone

159
00:06:27,590 --> 00:06:25,280
could say that conclusively however

160
00:06:29,830 --> 00:06:27,600
i don't know how anyone could argue the

161
00:06:32,390 --> 00:06:29,840
general proximity is a better method of

162
00:06:35,110 --> 00:06:32,400
dating than say determining the last

163
00:06:37,110 --> 00:06:35,120

time that the site wasn't under water

164

00:06:38,950 --> 00:06:37,120

especially when your entire basis for

165

00:06:41,029 --> 00:06:38,960

choosing that younger date is to make it

166

00:06:43,510 --> 00:06:41,039

align to your preconceived notions of

167

00:06:44,710 --> 00:06:43,520

what must or must not be true

168

00:06:46,550 --> 00:06:44,720

at any rate

169

00:06:48,309 --> 00:06:46,560

at least this commitment to cognitive

170

00:06:50,390 --> 00:06:48,319

dissonance has meant that the site has

171

00:06:52,550 --> 00:06:50,400

begun to be explored

172

00:06:55,110 --> 00:06:52,560

and through these explorations they've

173

00:06:58,309 --> 00:06:55,120

found structures within the complex as

174

00:06:59,990 --> 00:06:58,319

long as 400 meters wide and as much as

175

00:07:02,230 --> 00:07:00,000

40 meters tall

176

00:07:05,270 --> 00:07:02,240

and an anthropologist affiliated with

177

00:07:07,189 --> 00:07:05,280

the cuban academy of sciences has said

178

00:07:09,510 --> 00:07:07,199

that still photos taken from the

179

00:07:11,670 --> 00:07:09,520

videotape clearly show

180

00:07:14,950 --> 00:07:11,680

symbols and inscriptions though the

181

00:07:16,950 --> 00:07:14,960

language has not yet been identified

182

00:07:18,710 --> 00:07:16,960

another archaeological anomaly that

183

00:07:22,390 --> 00:07:18,720

contradicts the mainstream narrative of

184

00:07:24,070 --> 00:07:22,400

human history is pumapunku in bolivia

185

00:07:26,950 --> 00:07:24,080

high in the andes mountains in the

186

00:07:29,990 --> 00:07:26,960

altaplano desert just southeast of lake

187

00:07:32,390 --> 00:07:30,000

titicaca in what is undoubtedly one of

188

00:07:36,070 --> 00:07:32,400

the most rugged and desolate places on

189

00:07:38,870 --> 00:07:36,080

earth lies the ruins of tiwanaku

190

00:07:41,029 --> 00:07:38,880

discovered by westerners in 1549 by

191

00:07:44,070 --> 00:07:41,039

pedro sierra de leon while looking for

192

00:07:47,110 --> 00:07:44,080

the capital of the incan empire tionaku

193

00:07:49,749 --> 00:07:47,120

is a massive ancient temple complex

194

00:07:52,070 --> 00:07:49,759

within the complex is a large walled

195

00:07:54,710 --> 00:07:52,080

courtyard with carved faces scattered

196

00:07:57,350 --> 00:07:54,720

intermittently between the other stones

197

00:07:58,869 --> 00:07:57,360

interestingly many of these faces appear

198

00:08:00,550 --> 00:07:58,879

to look like humans from different

199

00:08:03,029 --> 00:08:00,560

cultures around the world

200

00:08:04,869 --> 00:08:03,039

although supposedly such ancient people

201
00:08:06,309 --> 00:08:04,879
shouldn't have had any way to be exposed

202
00:08:07,270 --> 00:08:06,319
to cultures on the other side of the

203
00:08:08,950 --> 00:08:07,280
ocean

204
00:08:11,350 --> 00:08:08,960
and strangers still

205
00:08:14,469 --> 00:08:11,360
some of the faces look humanoid but

206
00:08:18,150 --> 00:08:14,479
still far from human including one face

207
00:08:20,950 --> 00:08:18,160
that looks very much like a grey alien

208
00:08:22,550 --> 00:08:20,960
and listen tiwanaku is cool and all but

209
00:08:24,629 --> 00:08:22,560
what we're really here for is its

210
00:08:27,270 --> 00:08:24,639
mysterious neighbor lying just a half a

211
00:08:30,469 --> 00:08:27,280
mile away pumapuku

212
00:08:32,709 --> 00:08:30,479
pumapunku means gateway of the puma a

213
00:08:34,949 --> 00:08:32,719

name given to it by the local aymara

214

00:08:37,110 --> 00:08:34,959

people who found artifacts depicting

215

00:08:39,110 --> 00:08:37,120

warriors wearing masks made out of puma

216

00:08:41,750 --> 00:08:39,120

skulls at the site

217

00:08:44,310 --> 00:08:41,760

so let's start with what's strange about

218

00:08:46,150 --> 00:08:44,320

pumapunku because the answer is

219

00:08:47,350 --> 00:08:46,160

basically everything

220

00:08:49,430 --> 00:08:47,360

first of all

221

00:08:51,190 --> 00:08:49,440

the site has been destroyed we're just

222

00:08:53,509 --> 00:08:51,200

not sure how

223

00:08:56,630 --> 00:08:53,519

pumapunku looks like the ruins of what

224

00:08:59,030 --> 00:08:56,640

was once perhaps a large temple complex

225

00:09:01,509 --> 00:08:59,040

what remains are scattered stone blocks

226
00:09:02,949 --> 00:09:01,519
and monoliths made from red sandstone

227
00:09:06,389 --> 00:09:02,959
and andesite

228
00:09:08,230 --> 00:09:06,399
and these ruins truly are ruined

229
00:09:11,590 --> 00:09:08,240
despite the fact that the largest of

230
00:09:13,509 --> 00:09:11,600
these stones weigh up to nearly 150 tons

231
00:09:16,630 --> 00:09:13,519
they are scattered about like a lego

232
00:09:18,710 --> 00:09:16,640
city that just got godzilla by a toddler

233
00:09:21,110 --> 00:09:18,720
the site was further corrupted by a

234
00:09:24,550 --> 00:09:21,120
misguided and ultimately unsuccessful

235
00:09:25,910 --> 00:09:24,560
attempt in 2004 to reassemble the site

236
00:09:28,389 --> 00:09:25,920
so some of the blocks have been

237
00:09:30,630 --> 00:09:28,399
haphazardly moved around making it even

238
00:09:32,230 --> 00:09:30,640

more difficult to piece together what

239

00:09:34,470 --> 00:09:32,240

used to go where

240

00:09:36,550 --> 00:09:34,480

and it's hard to imagine what kind of

241

00:09:39,430 --> 00:09:36,560

force could have strewn these megaliths

242

00:09:41,509 --> 00:09:39,440

about like they were children's toys

243

00:09:43,350 --> 00:09:41,519

due to evidence that some of the stones

244

00:09:45,990 --> 00:09:43,360

may have at one time been entirely

245

00:09:48,870 --> 00:09:46,000

covered in mud it's been speculated that

246

00:09:51,269 --> 00:09:48,880

perhaps a massive and catastrophic flood

247

00:09:54,070 --> 00:09:51,279

could have saturated the ground causing

248

00:09:56,550 --> 00:09:54,080

the stone foundations to become unstable

249

00:09:59,750 --> 00:09:56,560

before a deluge consumed it scattering

250

00:10:02,710 --> 00:09:59,760

the blocks but at 12 000 feet above sea

251

00:10:04,710 --> 00:10:02,720

level that scenario seems unlikely

252

00:10:06,710 --> 00:10:04,720

but that's not all that's strange about

253

00:10:09,110 --> 00:10:06,720

the ruins of pumapunku

254

00:10:11,269 --> 00:10:09,120

there's also the fact that we don't know

255

00:10:13,590 --> 00:10:11,279

how the builders of pumapunku got the

256

00:10:15,910 --> 00:10:13,600

stones to this site

257

00:10:18,069 --> 00:10:15,920

based on detailed petrographic and

258

00:10:20,870 --> 00:10:18,079

chemical analyses of samples from

259

00:10:22,630 --> 00:10:20,880

individual stones and known quarry sites

260

00:10:24,790 --> 00:10:22,640

archaeologists have determined that the

261

00:10:27,110 --> 00:10:24,800

red sandstone blocks at the site were

262

00:10:30,630 --> 00:10:27,120

transported up a steep incline from a

263

00:10:33,670 --> 00:10:30,640

quarry near lake titicaca roughly 10

264

00:10:35,750 --> 00:10:33,680

kilometers or 6.2 miles away

265

00:10:37,750 --> 00:10:35,760

and if that wasn't daunting enough the

266

00:10:39,910 --> 00:10:37,760

andesite blocks were determined to have

267

00:10:43,190 --> 00:10:39,920

come from quarries within the coco

268

00:10:45,509 --> 00:10:43,200

cabana peninsula about 90 kilometers or

269

00:10:47,030 --> 00:10:45,519

56 miles away

270

00:10:49,829 --> 00:10:47,040

archaeologists still don't have a

271

00:10:50,949 --> 00:10:49,839

definite answer on how this was done

272

00:10:52,870 --> 00:10:50,959

however

273

00:10:54,389 --> 00:10:52,880

i will note that i'm always a little

274

00:10:56,230 --> 00:10:54,399

less swayed by the arguments that

275

00:10:58,150 --> 00:10:56,240

megalithic blocks were too big to be

276

00:11:00,710 --> 00:10:58,160

moved great distances

277

00:11:02,550 --> 00:11:00,720

it's interesting for sure and i would

278

00:11:04,550 --> 00:11:02,560

say that the size and the distance of

279

00:11:06,069 --> 00:11:04,560

the blacks being moved could speak to

280

00:11:08,470 --> 00:11:06,079

the advancement and wealth of that

281

00:11:10,069 --> 00:11:08,480

culture because the resources needed to

282

00:11:11,269 --> 00:11:10,079

undertake such a thing would be

283

00:11:12,310 --> 00:11:11,279

incredible

284

00:11:14,310 --> 00:11:12,320

however

285

00:11:16,470 --> 00:11:14,320

there are two reasons that i hesitate to

286

00:11:18,550 --> 00:11:16,480

assume an advanced technological answer

287

00:11:20,470 --> 00:11:18,560

to explain megaliths being moved over

288

00:11:22,150 --> 00:11:20,480

large distances

289

00:11:23,990 --> 00:11:22,160

the first is that there have been

290

00:11:25,509 --> 00:11:24,000

various studies and experiments that

291

00:11:27,990 --> 00:11:25,519

have shown that there are some pretty

292

00:11:29,990 --> 00:11:28,000

ingenious ways of moving these megaliths

293

00:11:32,230 --> 00:11:30,000

albeit very slowly

294

00:11:33,990 --> 00:11:32,240

including using log rollers and other

295

00:11:36,550 --> 00:11:34,000

basic materials that would have been

296

00:11:38,069 --> 00:11:36,560

available and we can't rule out that

297

00:11:39,110 --> 00:11:38,079

ancient people were able to figure it

298

00:11:41,509 --> 00:11:39,120

out

299

00:11:43,030 --> 00:11:41,519

and the second is that i think we tend

300

00:11:44,870 --> 00:11:43,040

to underestimate what can be

301
00:11:46,550 --> 00:11:44,880
accomplished by a civilization that's

302
00:11:48,710 --> 00:11:46,560
willing to throw endless amounts of

303
00:11:50,870 --> 00:11:48,720
human suffering in a problem

304
00:11:53,030 --> 00:11:50,880
so while it's certainly an interesting

305
00:11:55,670 --> 00:11:53,040
data point i'm not convinced that it can

306
00:11:57,509 --> 00:11:55,680
be used as a decisive proof of the use

307
00:11:59,030 --> 00:11:57,519
of advanced technology or the possession

308
00:12:00,230 --> 00:11:59,040
of special knowledge

309
00:12:02,790 --> 00:12:00,240
however

310
00:12:05,670 --> 00:12:02,800
that point may be irrelevant because the

311
00:12:08,550 --> 00:12:05,680
stonework at pumapunku shows evidence of

312
00:12:12,389 --> 00:12:08,560
having been done by advanced tools

313
00:12:14,230 --> 00:12:12,399

the stonework at pumapunku is bananas it

314

00:12:15,990 --> 00:12:14,240

it me up i seriously don't even

315

00:12:18,949 --> 00:12:16,000

know how else to say it

316

00:12:21,269 --> 00:12:18,959

red sandstone and andesite are both very

317

00:12:23,590 --> 00:12:21,279

hard kinds of rock to put that into

318

00:12:25,190 --> 00:12:23,600

context we use a scale called the mohs

319

00:12:27,030 --> 00:12:25,200

scale to measure the hardness of

320

00:12:29,750 --> 00:12:27,040

different minerals on a scale from 1 to

321

00:12:31,269 --> 00:12:29,760

10 with 1 being the softest and 10 being

322

00:12:33,990 --> 00:12:31,279

the hardest

323

00:12:37,030 --> 00:12:34,000

diamonds are a 10 on the mohs scale

324

00:12:39,829 --> 00:12:37,040

granite is a 6. by comparison red

325

00:12:41,430 --> 00:12:39,839

sandstone is a six or seven and andesite

326

00:12:43,670 --> 00:12:41,440

is a seven

327

00:12:46,710 --> 00:12:43,680

given the hardness of these stones the

328

00:12:48,710 --> 00:12:46,720

stonework at pumapunku defies any

329

00:12:51,509 --> 00:12:48,720

traditional explanation

330

00:12:54,069 --> 00:12:51,519

the stones were cut in such a precise

331

00:12:55,990 --> 00:12:54,079

way that they fit together perfectly

332

00:12:56,949 --> 00:12:56,000

locking into place without the use of

333

00:12:58,870 --> 00:12:56,959

mortar

334

00:13:01,190 --> 00:12:58,880

to accomplish this would not just

335

00:13:03,430 --> 00:13:01,200

require astounding technological

336

00:13:06,710 --> 00:13:03,440

precision and finesse but an

337

00:13:09,269 --> 00:13:06,720

understanding of descriptive geometry

338

00:13:11,750 --> 00:13:09,279

the architectural historians jean-pierre

339

00:13:13,829 --> 00:13:11,760

and stella nair who conducted the first

340

00:13:15,350 --> 00:13:13,839

professional field study on the stones

341

00:13:18,310 --> 00:13:15,360

of pumapunku

342

00:13:20,550 --> 00:13:18,320

concluded about these stones that quote

343

00:13:23,829 --> 00:13:20,560

to obtain the smooth finishes the

344

00:13:26,230 --> 00:13:23,839

perfectly planar faces an exact interior

345

00:13:28,310 --> 00:13:26,240

and exterior right angles on the finely

346

00:13:31,110 --> 00:13:28,320

dressed stones they resorted to

347

00:13:32,790 --> 00:13:31,120

techniques unknown to the incas and to

348

00:13:34,389 --> 00:13:32,800

us at this time

349

00:13:37,110 --> 00:13:34,399

the sharp and precise

350

00:13:40,069 --> 00:13:37,120

90 degree interior angles observed on

351

00:13:42,550 --> 00:13:40,079

various decorative motifs most likely

352

00:13:44,710 --> 00:13:42,560

were not made with hammer stones

353

00:13:47,269 --> 00:13:44,720

no matter how fine the hammer stones

354

00:13:50,150 --> 00:13:47,279

point it could never produce the crisp

355

00:13:51,509 --> 00:13:50,160

right interior angles seen on tionaku

356

00:13:54,310 --> 00:13:51,519

stonework

357

00:13:56,790 --> 00:13:54,320

comparable stones in inca masonry all

358

00:13:58,470 --> 00:13:56,800

have rounded interior angles typical of

359

00:14:01,110 --> 00:13:58,480

the pounding technique

360

00:14:03,110 --> 00:14:01,120

the construction tools of the tionakins

361

00:14:06,310 --> 00:14:03,120

with perhaps the possible exception of

362

00:14:08,790 --> 00:14:06,320

hammerstones remain essentially unknown

363

00:14:11,189 --> 00:14:08,800

and have yet to be discovered

364

00:14:13,110 --> 00:14:11,199

and those tools remain undiscovered

365

00:14:15,030 --> 00:14:13,120

until this day

366

00:14:16,870 --> 00:14:15,040

even more astounding is the fact that

367

00:14:19,670 --> 00:14:16,880

many of these blocks are finished to

368

00:14:21,590 --> 00:14:19,680

machine quality with tiny holes that are

369

00:14:23,030 --> 00:14:21,600

drilled to perfection

370

00:14:25,670 --> 00:14:23,040

and these holes don't look like

371

00:14:27,750 --> 00:14:25,680

decoration but like utilitarian means of

372

00:14:29,110 --> 00:14:27,760

construction and joining these pieces

373

00:14:31,189 --> 00:14:29,120

together

374

00:14:33,590 --> 00:14:31,199

the machined appearance of these stones

375

00:14:35,829 --> 00:14:33,600

is all the more compelling because to

376

00:14:37,910 --> 00:14:35,839

create stonework with a similar level of

377

00:14:39,030 --> 00:14:37,920

precision out of the same materials

378

00:14:41,509 --> 00:14:39,040

today

379

00:14:44,550 --> 00:14:41,519

we'd need to use advanced equipment like

380

00:14:46,870 --> 00:14:44,560

lasers and diamond edge circular saws

381

00:14:48,790 --> 00:14:46,880

further adding to the mystery is that

382

00:14:51,670 --> 00:14:48,800

many of these stones aren't just

383

00:14:54,470 --> 00:14:51,680

precisely cut into complex multifaceted

384

00:14:58,150 --> 00:14:54,480

blocks but they're also done so

385

00:15:00,389 --> 00:14:58,160

precisely as to be completely identical

386

00:15:02,790 --> 00:15:00,399

allowing one block to be perfectly

387

00:15:04,710 --> 00:15:02,800

interchanged with another almost like

388

00:15:06,550 --> 00:15:04,720

the prefabricated building materials

389

00:15:09,110 --> 00:15:06,560

that we use today

390

00:15:11,670 --> 00:15:09,120

and interchangeability of parts as seen

391

00:15:14,310 --> 00:15:11,680

in the blocks of pumapunku is something

392

00:15:15,990 --> 00:15:14,320

that on its own is suggestive of a more

393

00:15:17,829 --> 00:15:16,000

advanced society

394

00:15:19,910 --> 00:15:17,839

while there are very few isolated

395

00:15:22,310 --> 00:15:19,920

examples of interchangeable parts being

396

00:15:24,150 --> 00:15:22,320

used in the ancient past almost always

397

00:15:25,189 --> 00:15:24,160

in weapons to make warring easier go

398

00:15:27,829 --> 00:15:25,199

figure

399

00:15:29,670 --> 00:15:27,839

for the most part interchangeable parts

400

00:15:32,150 --> 00:15:29,680

weren't something that was commonly used

401
00:15:35,110 --> 00:15:32,160
before the early 1800s

402
00:15:36,790 --> 00:15:35,120
even stranger is that many of the stones

403
00:15:38,550 --> 00:15:36,800
are magnetized

404
00:15:41,590 --> 00:15:38,560
apparently if you hold a compass up to

405
00:15:43,030 --> 00:15:41,600
the stones the needle will spin and spin

406
00:15:44,710 --> 00:15:43,040
why would this be

407
00:15:46,310 --> 00:15:44,720
what would cause this

408
00:15:48,550 --> 00:15:46,320
could it have been some result of the

409
00:15:51,749 --> 00:15:48,560
construction process or the result of a

410
00:15:53,670 --> 00:15:51,759
natural phenomenon we simply don't know

411
00:15:55,509 --> 00:15:53,680
and what's extra frustrating is that

412
00:15:57,829 --> 00:15:55,519
we'll likely never know how the builders

413
00:16:00,310 --> 00:15:57,839

of pumapunku did it because

414

00:16:02,629 --> 00:16:00,320

we don't even know who they are for sure

415

00:16:04,710 --> 00:16:02,639

no one knows who built it

416

00:16:07,269 --> 00:16:04,720

well pumapunku was an important site for

417

00:16:09,189 --> 00:16:07,279

the incan people they didn't build it

418

00:16:10,949 --> 00:16:09,199

mainstream archaeologists have offered

419

00:16:12,629 --> 00:16:10,959

several different potential dates for

420

00:16:15,030 --> 00:16:12,639

the creation of the site with the most

421

00:16:15,990 --> 00:16:15,040

commonly accepted date being around 500

422

00:16:18,150 --> 00:16:16,000

a.d

423

00:16:20,470 --> 00:16:18,160

which predates the incan empire by more

424

00:16:22,629 --> 00:16:20,480

than half a millennia

425

00:16:24,470 --> 00:16:22,639

when the early spanish conquistadors

426

00:16:27,189 --> 00:16:24,480

asked the incan ruler who built

427

00:16:30,790 --> 00:16:27,199

pumapunku they claimed that it had been

428

00:16:33,749 --> 00:16:30,800

built by the gods in only one night

429

00:16:36,790 --> 00:16:33,759

so in reality we don't actually know how

430

00:16:39,749 --> 00:16:36,800

old pumapunku is but there is evidence

431

00:16:41,670 --> 00:16:39,759

that it is much older than believed

432

00:16:43,749 --> 00:16:41,680

and while mainstream archaeologists

433

00:16:46,710 --> 00:16:43,759

insist that the site is no more than

434

00:16:48,150 --> 00:16:46,720

1500 or so years old there are many who

435

00:16:49,990 --> 00:16:48,160

question this date

436

00:16:52,389 --> 00:16:50,000

not the least of which is the local

437

00:16:54,870 --> 00:16:52,399

aymara people whose local elders and

438

00:16:56,710 --> 00:16:54,880

historians claim that the site is ten

439

00:16:59,350 --> 00:16:56,720

times older than that

440

00:17:01,749 --> 00:16:59,360

having been built fifteen thousand years

441

00:17:04,390 --> 00:17:01,759

ago or three thousand years before the

442

00:17:07,350 --> 00:17:04,400

end of the last ice age

443

00:17:09,270 --> 00:17:07,360

austrian archaeologist arthur posnanski

444

00:17:12,150 --> 00:17:09,280

who was one of the first archaeologists

445

00:17:14,949 --> 00:17:12,160

to study pumapunku and who spent decades

446

00:17:17,829 --> 00:17:14,959

at the site also advocated for the date

447

00:17:19,750 --> 00:17:17,839

of 15 000 years ago citing various

448

00:17:21,590 --> 00:17:19,760

astrological alignments that would have

449

00:17:23,189 --> 00:17:21,600

tied it to that time

450

00:17:25,590 --> 00:17:23,199

and while i find the evidence that

451
00:17:27,510 --> 00:17:25,600
pumapunku predates the ice age to be

452
00:17:30,070 --> 00:17:27,520
interesting and compelling

453
00:17:32,150 --> 00:17:30,080
it doesn't need to be true for pumapunku

454
00:17:33,190 --> 00:17:32,160
to be unexplainable within the current

455
00:17:36,710 --> 00:17:33,200
narrative

456
00:17:39,430 --> 00:17:36,720
whether it was 1500 years ago or 15 000

457
00:17:41,430 --> 00:17:39,440
years ago humans simply didn't have the

458
00:17:43,590 --> 00:17:41,440
tools or the knowledge to create

459
00:17:45,430 --> 00:17:43,600
megaliths of such complexity and

460
00:17:48,630 --> 00:17:45,440
precision

461
00:17:50,789 --> 00:17:48,640
so ultimately who built it and how are

462
00:17:54,070 --> 00:17:50,799
the questions that really matter

463
00:17:56,150 --> 00:17:54,080

the when is just an interesting detail

464

00:17:58,230 --> 00:17:56,160
on the other side of the world in

465

00:18:00,310 --> 00:17:58,240
balbach lebanon lies another

466

00:18:02,470 --> 00:18:00,320
archaeological site that defies

467

00:18:04,630 --> 00:18:02,480
explanation

468

00:18:06,710 --> 00:18:04,640
we don't know for sure who ordered the

469

00:18:07,750 --> 00:18:06,720
construction of the temple of jupiter at

470

00:18:10,710 --> 00:18:07,760
balbeck

471

00:18:13,190 --> 00:18:10,720
nor do we know exactly when it was built

472

00:18:15,350 --> 00:18:13,200
however most archaeologists dated to

473

00:18:16,870 --> 00:18:15,360
either the first century bc or the first

474

00:18:18,789 --> 00:18:16,880
century a.d

475

00:18:20,950 --> 00:18:18,799
the style of the temple with its

476

00:18:22,870 --> 00:18:20,960

towering columns and its dedication to

477

00:18:25,510 --> 00:18:22,880

the roman god jupiter make it

478

00:18:28,870 --> 00:18:25,520

undoubtedly a roman construction though

479

00:18:30,950 --> 00:18:28,880

hazy though its origins may be however

480

00:18:32,950 --> 00:18:30,960

what's interesting about balbeck isn't

481

00:18:36,310 --> 00:18:32,960

so much the temple of jupiter but the

482

00:18:38,230 --> 00:18:36,320

massive stone platform on which it sits

483

00:18:40,230 --> 00:18:38,240

and although mainstream archaeologists

484

00:18:42,549 --> 00:18:40,240

date this platform to the first century

485

00:18:45,110 --> 00:18:42,559

bc more or less aligning it to the

486

00:18:47,110 --> 00:18:45,120

building of the temple of jupiter i'd

487

00:18:48,870 --> 00:18:47,120

argue that it's pretty obvious that this

488

00:18:50,789 --> 00:18:48,880

is not accurate

489

00:18:53,110 --> 00:18:50,799

first of all the foundation of the

490

00:18:55,510 --> 00:18:53,120

temple itself appears to have been built

491

00:18:57,750 --> 00:18:55,520

on the foundation of an older temple

492

00:18:59,830 --> 00:18:57,760

and both weathering and logic would

493

00:19:02,150 --> 00:18:59,840

suggest that the massive stone platform

494

00:19:03,510 --> 00:19:02,160

that it sits upon must be even older

495

00:19:05,750 --> 00:19:03,520

than that

496

00:19:08,230 --> 00:19:05,760

but once again whether you date this

497

00:19:11,029 --> 00:19:08,240

structure to the first century bc or the

498

00:19:13,430 --> 00:19:11,039

10th century bc it doesn't matter

499

00:19:15,750 --> 00:19:13,440

because at either time humans should not

500

00:19:18,070 --> 00:19:15,760

have had the ability to build it

501
00:19:21,029 --> 00:19:18,080
now i've already mentioned that i tend

502
00:19:23,350 --> 00:19:21,039
not to find the rock too big can't lift

503
00:19:26,310 --> 00:19:23,360
argument to be very compelling

504
00:19:27,830 --> 00:19:26,320
but the megaliths at balbeck are a clear

505
00:19:29,990 --> 00:19:27,840
exception

506
00:19:32,230 --> 00:19:30,000
integrated into the back wall of this

507
00:19:35,430 --> 00:19:32,240
massive platform are three of the

508
00:19:38,549 --> 00:19:35,440
biggest megaliths known to humankind

509
00:19:39,510 --> 00:19:38,559
each of these stones weighs at least 800

510
00:19:41,669 --> 00:19:39,520
tons

511
00:19:44,390 --> 00:19:41,679
to put that into perspective that is the

512
00:19:47,029 --> 00:19:44,400
same weight as five average adult blue

513
00:19:48,950 --> 00:19:47,039

whales it's insane

514

00:19:51,669 --> 00:19:48,960

and not only were these monstrous

515

00:19:53,990 --> 00:19:51,679

megaliths quarried and moved to the site

516

00:19:55,990 --> 00:19:54,000

but they were then somehow lifted 20

517

00:19:57,510 --> 00:19:56,000

feet in the air to rest in their current

518

00:19:59,190 --> 00:19:57,520

positions

519

00:20:01,430 --> 00:19:59,200

as with all of the sites i'll mention

520

00:20:03,510 --> 00:20:01,440

today you can find pictures of these

521

00:20:05,830 --> 00:20:03,520

stones in the episode brief link in the

522

00:20:08,710 --> 00:20:05,840

episode description and all you really

523

00:20:10,870 --> 00:20:08,720

need to do is look at them to understand

524

00:20:13,029 --> 00:20:10,880

that something we don't understand

525

00:20:14,870 --> 00:20:13,039

happened at balbeck

526

00:20:17,029 --> 00:20:14,880

but those megaliths aren't even the

527

00:20:19,190 --> 00:20:17,039

largest found in the area

528

00:20:21,110 --> 00:20:19,200

three megaliths conventionally known as

529

00:20:23,190 --> 00:20:21,120

the stone of the pregnant woman the

530

00:20:26,070 --> 00:20:23,200

stone of the south and the forgotten

531

00:20:28,630 --> 00:20:26,080

stone lie nearby and are the largest

532

00:20:31,510 --> 00:20:28,640

stones ever to have been quarried

533

00:20:34,950 --> 00:20:31,520

at a staggering one thousand twelve

534

00:20:37,590 --> 00:20:34,960

hundred and sixteen tons respectively

535

00:20:38,710 --> 00:20:37,600

the size of these megaliths boggles the

536

00:20:41,110 --> 00:20:38,720

mind

537

00:20:43,669 --> 00:20:41,120

now granted the location of these three

538

00:20:45,909 --> 00:20:43,679

massive stones gives every indication

539

00:20:47,909 --> 00:20:45,919

that they were simply too big

540

00:20:49,750 --> 00:20:47,919

all three of them still lie in the

541

00:20:51,750 --> 00:20:49,760

quarry where they were cut

542

00:20:53,430 --> 00:20:51,760

and there they shall likely remain for

543

00:20:55,750 --> 00:20:53,440

millions of years

544

00:20:57,990 --> 00:20:55,760

even now our ability to move them would

545

00:21:01,510 --> 00:20:58,000

be extremely limited and would require

546

00:21:03,830 --> 00:21:01,520

an insane amount of time and resources

547

00:21:06,390 --> 00:21:03,840

and what we see at balbeck is a perfect

548

00:21:08,149 --> 00:21:06,400

example of something very surprising

549

00:21:10,630 --> 00:21:08,159

that we see in a lot of megalithic

550

00:21:13,270 --> 00:21:10,640

structures which is that the oldest

551
00:21:15,029 --> 00:21:13,280
parts of the construction are by far the

552
00:21:17,270 --> 00:21:15,039
most advanced

553
00:21:19,190 --> 00:21:17,280
we see it at gobekli tepe where the

554
00:21:22,470 --> 00:21:19,200
oldest parts of the construction are the

555
00:21:24,630 --> 00:21:22,480
most sophisticated we see it at tionaku

556
00:21:26,710 --> 00:21:24,640
where pumapunku though agreed to be the

557
00:21:29,270 --> 00:21:26,720
oldest construction on the site

558
00:21:30,950 --> 00:21:29,280
shows signs of advanced technology

559
00:21:33,190 --> 00:21:30,960
far beyond what would have been needed

560
00:21:34,950 --> 00:21:33,200
to build the more recent sites

561
00:21:37,669 --> 00:21:34,960
and there are particularly stunning

562
00:21:40,070 --> 00:21:37,679
examples of this in peru

563
00:21:44,710 --> 00:21:40,080

the ruins of korikancha which means the

564

00:21:47,029 --> 00:21:44,720

golden temple can be found in cusco peru

565

00:21:49,430 --> 00:21:47,039

in many places all that remains of this

566

00:21:51,990 --> 00:21:49,440

ancient incan holy site is its massive

567

00:21:54,310 --> 00:21:52,000

megalithic foundation upon which a

568

00:21:57,029 --> 00:21:54,320

spanish church was built in the 16th

569

00:22:00,310 --> 00:21:57,039

century because colonizers

570

00:22:04,070 --> 00:22:00,320

however as beautiful as the 16th century

571

00:22:07,190 --> 00:22:04,080

church is it looks somehow sad and small

572

00:22:09,270 --> 00:22:07,200

on top of the foundation of cory concha

573

00:22:11,750 --> 00:22:09,280

the precision with which the megaliths

574

00:22:13,669 --> 00:22:11,760

are cut and fitted together including a

575

00:22:15,909 --> 00:22:13,679

perfectly curved retaining wall is

576

00:22:17,909 --> 00:22:15,919

enough to take your breath away

577

00:22:20,710 --> 00:22:17,919

once again i'd recommend that you look

578

00:22:22,390 --> 00:22:20,720

at the pictures to get the full impact

579

00:22:25,110 --> 00:22:22,400

we can see something similar at the

580

00:22:27,110 --> 00:22:25,120

peruvian site of machu picchu

581

00:22:29,510 --> 00:22:27,120

the oldest and most foundational parts

582

00:22:31,350 --> 00:22:29,520

of the site once again show the most

583

00:22:32,710 --> 00:22:31,360

advanced knowledge and the largest

584

00:22:34,950 --> 00:22:32,720

megaliths

585

00:22:37,750 --> 00:22:34,960

with subsequent rounds of building being

586

00:22:39,590 --> 00:22:37,760

done on top with much smaller stones and

587

00:22:41,590 --> 00:22:39,600

far less precision

588

00:22:43,350 --> 00:22:41,600

this has caused some to suggest that

589

00:22:45,830 --> 00:22:43,360

machu picchu may not have been

590

00:22:48,710 --> 00:22:45,840

originally built by the incan people but

591

00:22:51,110 --> 00:22:48,720

rather repurposed and rebuilt by them on

592

00:22:53,190 --> 00:22:51,120

a far more ancient site

593

00:22:56,390 --> 00:22:53,200

and whether or not that is the case it

594

00:22:58,470 --> 00:22:56,400

defies logic that the incan people would

595

00:23:00,630 --> 00:22:58,480

start out with such a high level of

596

00:23:03,350 --> 00:23:00,640

ability to create megalithic structures

597

00:23:05,190 --> 00:23:03,360

of this scale and precision only to be

598

00:23:08,310 --> 00:23:05,200

rebuilding the walls a few hundred years

599

00:23:11,029 --> 00:23:08,320

later with much smaller blocks of stone

600

00:23:14,310 --> 00:23:11,039

much like gobekli tepe we're again and

601
00:23:16,710 --> 00:23:14,320
again confronted with an odd situation

602
00:23:19,430 --> 00:23:16,720
an advanced civilization of megalithic

603
00:23:22,149 --> 00:23:19,440
builders pops out of obscurity with

604
00:23:24,390 --> 00:23:22,159
little to no evidence of ramp up time

605
00:23:26,310 --> 00:23:24,400
does their most breathtaking and

606
00:23:29,590 --> 00:23:26,320
awe-inspiring work before the

607
00:23:31,990 --> 00:23:29,600
civilization begins a long slow decline

608
00:23:34,470 --> 00:23:32,000
each new wave of building being only a

609
00:23:36,549 --> 00:23:34,480
shadow of what came before

610
00:23:39,110 --> 00:23:36,559
this doesn't make sense

611
00:23:41,269 --> 00:23:39,120
we know that it doesn't make sense

612
00:23:43,110 --> 00:23:41,279
so what does this all mean

613
00:23:45,110 --> 00:23:43,120

what conclusions are we to draw from

614

00:23:48,070 --> 00:23:45,120

these anomalous archaeological sites

615

00:23:49,750 --> 00:23:48,080

that can be found around the world

616

00:23:52,149 --> 00:23:49,760

the examples that we've explored are

617

00:23:54,549 --> 00:23:52,159

just a handful of examples but they are

618

00:23:56,630 --> 00:23:54,559

representative of the four main problems

619

00:23:58,870 --> 00:23:56,640

that these sites present

620

00:24:01,190 --> 00:23:58,880

the first is that many of them like

621

00:24:03,510 --> 00:24:01,200

gobekli tepe and turkey the sphinx in

622

00:24:04,950 --> 00:24:03,520

egypt and the sunken underwater city off

623

00:24:08,310 --> 00:24:04,960

the coast of cuba

624

00:24:10,549 --> 00:24:08,320

are simply way too old they show a level

625

00:24:13,590 --> 00:24:10,559

of sophistication not just in

626
00:24:15,830 --> 00:24:13,600
construction and engineering but in art

627
00:24:18,230 --> 00:24:15,840
geometry and astronomy that are

628
00:24:20,549 --> 00:24:18,240
thousands if not tens of thousands of

629
00:24:23,110 --> 00:24:20,559
years ahead of their time

630
00:24:25,110 --> 00:24:23,120
the second is that some sites like

631
00:24:27,350 --> 00:24:25,120
pumapunku in bolivia

632
00:24:30,070 --> 00:24:27,360
show clear signs of machining and

633
00:24:32,549 --> 00:24:30,080
perhaps even prefabrication

634
00:24:34,310 --> 00:24:32,559
we simply have no way to explain how

635
00:24:36,070 --> 00:24:34,320
ancient peoples could have achieved with

636
00:24:38,310 --> 00:24:36,080
primitive tools what it would take

637
00:24:40,789 --> 00:24:38,320
advanced laser-guided and diamond-tipped

638
00:24:42,789 --> 00:24:40,799

tools to accomplish now

639

00:24:44,870 --> 00:24:42,799

the third is that some of these sites

640

00:24:47,110 --> 00:24:44,880

have megaliths that are far too big to

641

00:24:49,350 --> 00:24:47,120

have been plausibly moved without some

642

00:24:51,830 --> 00:24:49,360

form of advanced technology

643

00:24:53,830 --> 00:24:51,840

as i've said i generally don't find

644

00:24:55,350 --> 00:24:53,840

arguments about megaliths being too

645

00:24:57,350 --> 00:24:55,360

large for ancient peoples to have

646

00:24:58,549 --> 00:24:57,360

quarried and moved to be particularly

647

00:25:00,230 --> 00:24:58,559

compelling

648

00:25:02,310 --> 00:25:00,240

if you don't care how long it takes and

649

00:25:04,070 --> 00:25:02,320

you don't care how many people die

650

00:25:05,590 --> 00:25:04,080

humans can do some pretty unbelievable

651
00:25:08,149 --> 00:25:05,600
things

652
00:25:10,390 --> 00:25:08,159
however there are exceptions

653
00:25:12,390 --> 00:25:10,400
the enormous megaliths at balbeck are

654
00:25:14,950 --> 00:25:12,400
one example but there are others of

655
00:25:16,789 --> 00:25:14,960
nearly equally gargantuan proportions in

656
00:25:18,950 --> 00:25:16,799
egypt and peru

657
00:25:21,750 --> 00:25:18,960
there's even a site in southern siberia

658
00:25:23,990 --> 00:25:21,760
called gornaya sharia that if it can be

659
00:25:26,310 --> 00:25:24,000
proven that they are in fact man-made

660
00:25:27,430 --> 00:25:26,320
and not a naturally occurring geological

661
00:25:29,830 --> 00:25:27,440
structure

662
00:25:32,149 --> 00:25:29,840
has megaliths that outweigh even the

663
00:25:33,990 --> 00:25:32,159

monsters found at balbeck

664

00:25:35,590 --> 00:25:34,000

i'm less convinced on that one but the

665

00:25:37,990 --> 00:25:35,600

photos are in the episode brief so you

666

00:25:40,390 --> 00:25:38,000

can check them out for yourself

667

00:25:43,669 --> 00:25:40,400

and finally we have the mystery that we

668

00:25:45,830 --> 00:25:43,679

see all over the world from gobekli tepe

669

00:25:46,870 --> 00:25:45,840

to egypt and from balbeck to machu

670

00:25:48,950 --> 00:25:46,880

picchu

671

00:25:51,590 --> 00:25:48,960

where the earliest megalithic structures

672

00:25:52,470 --> 00:25:51,600

that a culture creates seems to be by

673

00:25:55,190 --> 00:25:52,480

far

674

00:25:57,430 --> 00:25:55,200

its most advanced and sophisticated with

675

00:25:59,350 --> 00:25:57,440

subsequent builds and restorations never

676
00:26:01,110 --> 00:25:59,360
coming close to rivaling that of the

677
00:26:03,590 --> 00:26:01,120
first builders

678
00:26:05,350 --> 00:26:03,600
again and again with megaliths we see

679
00:26:07,350 --> 00:26:05,360
advanced high culture seemingly

680
00:26:09,750 --> 00:26:07,360
appearing out of nowhere at the very

681
00:26:12,789 --> 00:26:09,760
height of its power and sophistication

682
00:26:13,590 --> 00:26:12,799
with very little evidence of ramp up

683
00:26:15,510 --> 00:26:13,600
so

684
00:26:17,430 --> 00:26:15,520
who were they

685
00:26:19,750 --> 00:26:17,440
answering that question only gets more

686
00:26:21,990 --> 00:26:19,760
complicated when we layer on two more

687
00:26:25,110 --> 00:26:22,000
puzzling observations

688
00:26:27,190 --> 00:26:25,120

the first is that paradoxically these

689

00:26:29,830 --> 00:26:27,200

pockets of civilization were both

690

00:26:32,950 --> 00:26:29,840

relatively isolated and anomalous

691

00:26:34,470 --> 00:26:32,960

and spread out all over the planet

692

00:26:36,310 --> 00:26:34,480

regardless of what any of the

693

00:26:38,870 --> 00:26:36,320

archaeological evidence surrounding

694

00:26:40,870 --> 00:26:38,880

these megalithic sites may suggest

695

00:26:42,310 --> 00:26:40,880

there are still certain facts that we

696

00:26:44,390 --> 00:26:42,320

can't deny

697

00:26:47,510 --> 00:26:44,400

and the most glaring of these is that

698

00:26:49,909 --> 00:26:47,520

prior to 6 000 years ago and certainly

699

00:26:51,110 --> 00:26:49,919

prior to the last ice age over 12 000

700

00:26:53,990 --> 00:26:51,120

years ago

701
00:26:56,390 --> 00:26:54,000
most humans were still hunter-gatherers

702
00:26:58,870 --> 00:26:56,400
we've found their camps their tools

703
00:27:00,549 --> 00:26:58,880
their clothes and their art everywhere

704
00:27:02,549 --> 00:27:00,559
on the planet where evidence of homo

705
00:27:04,549 --> 00:27:02,559
sapiens can be found

706
00:27:06,870 --> 00:27:04,559
and this only makes these megalithic

707
00:27:09,909 --> 00:27:06,880
sites that hint at advanced civilization

708
00:27:12,870 --> 00:27:09,919
in our distant past more mysterious

709
00:27:14,789 --> 00:27:12,880
it raises the startling possibility that

710
00:27:16,789 --> 00:27:14,799
while most of humanity were living a

711
00:27:19,510 --> 00:27:16,799
lifestyle that was akin to that of our

712
00:27:21,909 --> 00:27:19,520
early hominid ancestors

713
00:27:24,149 --> 00:27:21,919

there existed pockets of civilization

714

00:27:26,310 --> 00:27:24,159

where humans had attained a dazzling

715

00:27:29,590 --> 00:27:26,320

level of understanding of engineering

716

00:27:31,669 --> 00:27:29,600

geometry astronomy and more that rivaled

717

00:27:33,830 --> 00:27:31,679

and in some cases may have exceeded our

718

00:27:36,389 --> 00:27:33,840

modern understanding

719

00:27:38,789 --> 00:27:36,399

in some ways this is almost the inverse

720

00:27:41,190 --> 00:27:38,799

of what we see on earth today

721

00:27:44,230 --> 00:27:41,200

today most of the world is at least

722

00:27:46,230 --> 00:27:44,240

somewhat modernized 86 percent of people

723

00:27:48,230 --> 00:27:46,240

worldwide can read and write and in

724

00:27:50,070 --> 00:27:48,240

almost identical proportion have access

725

00:27:52,710 --> 00:27:50,080

to electricity

726

00:27:56,070 --> 00:27:52,720

however they're estimated to be between

727

00:27:57,830 --> 00:27:56,080

100 and 200 uncontacted tribes on the

728

00:27:59,750 --> 00:27:57,840

planet who have had little to no

729

00:28:01,430 --> 00:27:59,760

interaction with the modern world and

730

00:28:03,830 --> 00:28:01,440

who are still essentially living the way

731

00:28:05,750 --> 00:28:03,840

that our ancestors did hundreds and even

732

00:28:07,430 --> 00:28:05,760

thousands of years ago

733

00:28:09,590 --> 00:28:07,440

and while it can initially be shocking

734

00:28:12,230 --> 00:28:09,600

to realize that there can be so much

735

00:28:14,870 --> 00:28:12,240

variability in how humans living at the

736

00:28:16,789 --> 00:28:14,880

same time might be living their lives

737

00:28:18,870 --> 00:28:16,799

the situation in which we find ourselves

738

00:28:20,950 --> 00:28:18,880

in our modern world at least makes some

739

00:28:23,029 --> 00:28:20,960

level of intuitive sense

740

00:28:25,190 --> 00:28:23,039

we understand how it could be that our

741

00:28:27,029 --> 00:28:25,200

modern lifestyle hasn't reached people

742

00:28:28,470 --> 00:28:27,039

living in remote places

743

00:28:30,870 --> 00:28:28,480

and when we look at the history of

744

00:28:33,430 --> 00:28:30,880

colonialism it makes sense that there

745

00:28:35,430 --> 00:28:33,440

are tribes in places like the amazon who

746

00:28:37,510 --> 00:28:35,440

may have gone far out of their way to

747

00:28:40,470 --> 00:28:37,520

avoid interacting with outsiders with

748

00:28:42,789 --> 00:28:40,480

strange new weapons and diseases

749

00:28:44,789 --> 00:28:42,799

but looking into our distant past it's

750

00:28:47,430 --> 00:28:44,799

frankly confounding that such a

751
00:28:49,909 --> 00:28:47,440
sophisticated level of high civilization

752
00:28:52,070 --> 00:28:49,919
could be achieved by a few while the

753
00:28:54,070 --> 00:28:52,080
vast majority of humans were still

754
00:28:56,310 --> 00:28:54,080
living as hunter-gatherers

755
00:28:58,630 --> 00:28:56,320
what accounts for this difference

756
00:29:00,389 --> 00:28:58,640
how did they get so far ahead

757
00:29:02,149 --> 00:29:00,399
and what happened to them that was so

758
00:29:04,070 --> 00:29:02,159
fundamentally different than what

759
00:29:06,710 --> 00:29:04,080
happened to everyone else to account for

760
00:29:09,269 --> 00:29:06,720
such a massive disparity

761
00:29:11,430 --> 00:29:09,279
and this mystery only deepens further

762
00:29:13,990 --> 00:29:11,440
when we recognize that this level of

763
00:29:16,870 --> 00:29:14,000

advanced civilization didn't just appear

764

00:29:19,350 --> 00:29:16,880

in one corner or region of the world but

765

00:29:20,630 --> 00:29:19,360

in pockets scattered across nearly every

766

00:29:22,149 --> 00:29:20,640

continent

767

00:29:24,630 --> 00:29:22,159

and for reasons that we still don't

768

00:29:26,630 --> 00:29:24,640

understand in each of these far-flung

769

00:29:28,950 --> 00:29:26,640

cultures the attainment of this

770

00:29:31,830 --> 00:29:28,960

knowledge seems to coincide almost

771

00:29:33,750 --> 00:29:31,840

exactly with the building of megaliths

772

00:29:36,389 --> 00:29:33,760

and as if things weren't confusing

773

00:29:39,269 --> 00:29:36,399

enough we have one more added layer of

774

00:29:41,669 --> 00:29:39,279

nuance and complication which is that

775

00:29:44,230 --> 00:29:41,679

these civilizations show evidence of

776

00:29:46,549 --> 00:29:44,240

advanced technology that does not fit

777

00:29:48,789 --> 00:29:46,559

within our known paradigm

778

00:29:51,029 --> 00:29:48,799

as we discussed previously in part one

779

00:29:53,430 --> 00:29:51,039

of this series if humans were to

780

00:29:55,430 --> 00:29:53,440

entirely disappear tomorrow there would

781

00:29:57,590 --> 00:29:55,440

be surprisingly little left to tell the

782

00:29:59,669 --> 00:29:57,600

tale of our modern lives

783

00:30:02,789 --> 00:29:59,679

our cities and skyscrapers while they

784

00:30:04,870 --> 00:30:02,799

look impressive are not built to last

785

00:30:06,950 --> 00:30:04,880

in fact it would take less than a

786

00:30:09,669 --> 00:30:06,960

thousand years after the disappearance

787

00:30:12,789 --> 00:30:09,679

of humans for all of new york city to

788

00:30:14,710 --> 00:30:12,799

become a pristine forest again

789

00:30:16,870 --> 00:30:14,720

and because we've only been at this

790

00:30:18,310 --> 00:30:16,880

relative level of advancement for around

791

00:30:20,549 --> 00:30:18,320

100 years

792

00:30:22,789 --> 00:30:20,559

barely a blip in terms of the dizzying

793

00:30:24,630 --> 00:30:22,799

scope of geological time

794

00:30:26,950 --> 00:30:24,640

before long it would be almost

795

00:30:29,510 --> 00:30:26,960

impossible to find anything of our way

796

00:30:31,830 --> 00:30:29,520

of life in the archaeological record

797

00:30:34,470 --> 00:30:31,840

it's surprisingly easy for an entire

798

00:30:37,029 --> 00:30:34,480

civilization even one is advanced and

799

00:30:38,470 --> 00:30:37,039

global as our own to disappear without a

800

00:30:40,470 --> 00:30:38,480

trace

801
00:30:42,470 --> 00:30:40,480
but there's one form of evidence that we

802
00:30:44,230 --> 00:30:42,480
will leave behind and that will leave an

803
00:30:46,470 --> 00:30:44,240
indelible mark on the planet for

804
00:30:49,110 --> 00:30:46,480
hundreds of millions of years

805
00:30:51,990 --> 00:30:49,120
and that is our use of plastics

806
00:30:54,389 --> 00:30:52,000
plastic never bio-degrades which means

807
00:30:57,269 --> 00:30:54,399
that every single piece of plastic that

808
00:30:59,430 --> 00:30:57,279
has ever been created unless it got shot

809
00:31:02,389 --> 00:30:59,440
up into space at some point is still

810
00:31:03,590 --> 00:31:02,399
here on the planet and it will be

811
00:31:05,750 --> 00:31:03,600
forever

812
00:31:07,990 --> 00:31:05,760
the empire state building may vanish

813
00:31:10,230 --> 00:31:08,000

without a trace in a matter of centuries

814

00:31:11,750 --> 00:31:10,240

but your toothbrush and the grocery bag

815

00:31:14,470 --> 00:31:11,760

you use when you clean out your cat's

816

00:31:17,110 --> 00:31:14,480

litter box could be discovered virtually

817

00:31:18,789 --> 00:31:17,120

intact by someone millions of years in

818

00:31:20,950 --> 00:31:18,799

the future

819

00:31:23,509 --> 00:31:20,960

we use around 100 million tons of

820

00:31:26,470 --> 00:31:23,519

plastic every year at least 10 percent

821

00:31:28,549 --> 00:31:26,480

of which ends up in the oceans

822

00:31:30,789 --> 00:31:28,559

this means that our current time period

823

00:31:32,789 --> 00:31:30,799

will be marked forever in the geologic

824

00:31:35,430 --> 00:31:32,799

record with a layer that is basically

825

00:31:37,350 --> 00:31:35,440

speckled with plastic even in the very

826
00:31:39,269 --> 00:31:37,360
deepest parts of our oceans

827
00:31:41,669 --> 00:31:39,279
and it's already happening

828
00:31:43,590 --> 00:31:41,679
in hawaii they've recently identified a

829
00:31:45,070 --> 00:31:43,600
new kind of rock that has been washing

830
00:31:47,750 --> 00:31:45,080
up on the shores called a

831
00:31:49,909 --> 00:31:47,760
plasticglomerate which is essentially

832
00:31:51,269 --> 00:31:49,919
rock that has become fused with melted

833
00:31:52,149 --> 00:31:51,279
plastic

834
00:31:54,630 --> 00:31:52,159
so

835
00:31:57,190 --> 00:31:54,640
if these civilizations were in many ways

836
00:31:59,110 --> 00:31:57,200
as advanced as we are and if they

837
00:32:00,389 --> 00:31:59,120
perhaps persisted for thousands of years

838
00:32:02,389 --> 00:32:00,399

at a time

839

00:32:04,310 --> 00:32:02,399

why don't we see something similar in

840

00:32:06,310 --> 00:32:04,320

the geologic record

841

00:32:08,789 --> 00:32:06,320

it's certainly difficult to imagine our

842

00:32:10,950 --> 00:32:08,799

modern lives without plastics

843

00:32:13,509 --> 00:32:10,960

beyond just convenience products

844

00:32:16,389 --> 00:32:13,519

plastics play a critical role in health

845

00:32:19,190 --> 00:32:16,399

care safe food storage and packaging

846

00:32:21,190 --> 00:32:19,200

complex scientific equipment the space

847

00:32:23,669 --> 00:32:21,200

program and more

848

00:32:25,669 --> 00:32:23,679

but what's clear is that whatever level

849

00:32:28,230 --> 00:32:25,679

of advancement may have been achieved by

850

00:32:30,470 --> 00:32:28,240

our ancestors in the distant past it

851
00:32:31,990 --> 00:32:30,480
apparently lacked many of the trappings

852
00:32:34,070 --> 00:32:32,000
of our modern lives

853
00:32:36,310 --> 00:32:34,080
and if their abilities and tools did

854
00:32:39,350 --> 00:32:36,320
truly reach the level that we would call

855
00:32:42,230 --> 00:32:39,360
technology as is suggested by megalithic

856
00:32:44,950 --> 00:32:42,240
sites like pumapunku and others it was

857
00:32:47,110 --> 00:32:44,960
likely of a fundamentally different kind

858
00:32:50,310 --> 00:32:47,120
than what we have today

859
00:32:51,990 --> 00:32:50,320
these civilizations didn't use plastics

860
00:32:53,509 --> 00:32:52,000
and they almost certainly didn't use

861
00:32:55,669 --> 00:32:53,519
fossil fuels

862
00:32:58,389 --> 00:32:55,679
this begs the question of how their

863
00:33:00,870 --> 00:32:58,399

technology differed from our own and it

864

00:33:03,590 --> 00:33:00,880

offers us a tantalizing hint at a

865

00:33:06,070 --> 00:33:03,600

potential technological paradigm that

866

00:33:07,909 --> 00:33:06,080

may have once existed that was perhaps

867

00:33:10,870 --> 00:33:07,919

in better harmony with the environment

868

00:33:13,029 --> 00:33:10,880

than the one that we currently occupy

869

00:33:15,350 --> 00:33:13,039

so as we can see

870

00:33:17,269 --> 00:33:15,360

each piece of this puzzle is baffling in

871

00:33:19,669 --> 00:33:17,279

its own right when we put it all

872

00:33:21,830 --> 00:33:19,679

together the path to the truth becomes

873

00:33:23,830 --> 00:33:21,840

even more labyrinthian

874

00:33:25,430 --> 00:33:23,840

so what could explain all of this

875

00:33:28,470 --> 00:33:25,440

bizarre evidence of advanced

876

00:33:29,990 --> 00:33:28,480

civilization in our distant past

877

00:33:31,590 --> 00:33:30,000

if we're willing to put aside the

878

00:33:33,750 --> 00:33:31,600

established narrative of human

879

00:33:36,230 --> 00:33:33,760

civilization as told by mainstream

880

00:33:38,630 --> 00:33:36,240

academia and consider the evidence with

881

00:33:40,549 --> 00:33:38,640

an open mind a surprising narrative

882

00:33:43,350 --> 00:33:40,559

begins to emerge

883

00:33:45,830 --> 00:33:43,360

first of all it seems clear that human

884

00:33:47,110 --> 00:33:45,840

civilization is far more ancient than we

885

00:33:49,029 --> 00:33:47,120

thought

886

00:33:51,269 --> 00:33:49,039

at this point i don't think that's even

887

00:33:53,430 --> 00:33:51,279

up for debate anymore though mainstream

888

00:33:54,310 --> 00:33:53,440

academia may not yet be ready to accept

889

00:33:57,190 --> 00:33:54,320

it

890

00:33:59,590 --> 00:33:57,200

as we discussed in part two gobekli tepe

891

00:34:01,269 --> 00:33:59,600

alone presents enough evidence to prove

892

00:34:05,029 --> 00:34:01,279

that we've underestimated the dawn of

893

00:34:08,389 --> 00:34:05,039

human civilization by at minimum 7 000

894

00:34:10,629 --> 00:34:08,399

years and the sunken city in cuba hints

895

00:34:12,790 --> 00:34:10,639

that we may still be off by tens of

896

00:34:15,030 --> 00:34:12,800

thousands of years more

897

00:34:17,669 --> 00:34:15,040

this revelation is astonishing on its

898

00:34:19,750 --> 00:34:17,679

own but it unfortunately creates more

899

00:34:22,389 --> 00:34:19,760

questions than answers

900

00:34:24,950 --> 00:34:22,399

the reality is that the further we push

901
00:34:27,430 --> 00:34:24,960
back the start of human civilization the

902
00:34:29,430 --> 00:34:27,440
more unlikely it becomes that any group

903
00:34:31,829 --> 00:34:29,440
of people could have risen to that level

904
00:34:35,270 --> 00:34:31,839
of sophistication on their own

905
00:34:37,510 --> 00:34:35,280
it just doesn't make sense after all as

906
00:34:39,990 --> 00:34:37,520
we discussed in the last episode the

907
00:34:42,950 --> 00:34:40,000
oldest sections of gobekli tepe were

908
00:34:45,109 --> 00:34:42,960
built approximately 12 000 years ago

909
00:34:47,190 --> 00:34:45,119
near the end of the last ice age also

910
00:34:49,349 --> 00:34:47,200
known as the younger dryas

911
00:34:51,669 --> 00:34:49,359
and as with many other megalithic

912
00:34:53,349 --> 00:34:51,679
structures the oldest sections are the

913
00:34:56,230 --> 00:34:53,359

most sophisticated

914

00:34:58,230 --> 00:34:56,240

gobekli tepe also clearly shows evidence

915

00:35:01,190 --> 00:34:58,240

that its builders had a complex

916

00:35:03,510 --> 00:35:01,200

understanding of engineering mathematics

917

00:35:05,510 --> 00:35:03,520

geometry and astronomy

918

00:35:08,150 --> 00:35:05,520

that kind of knowledge doesn't just come

919

00:35:10,550 --> 00:35:08,160

out of nowhere and it should have taken

920

00:35:12,150 --> 00:35:10,560

thousands of years to achieve that level

921

00:35:14,390 --> 00:35:12,160

of mastery

922

00:35:17,430 --> 00:35:14,400

the younger dryas which lasted around

923

00:35:20,310 --> 00:35:17,440

1300 years was a horribly tumultuous

924

00:35:23,430 --> 00:35:20,320

time for the planet with over 82 percent

925

00:35:26,069 --> 00:35:23,440

of mammals over 40 kilograms dying off

926
00:35:28,069 --> 00:35:26,079
in north america and suffering similarly

927
00:35:29,190 --> 00:35:28,079
massive losses elsewhere around the

928
00:35:31,510 --> 00:35:29,200
globe

929
00:35:33,589 --> 00:35:31,520
it seems unlikely humans could have made

930
00:35:36,390 --> 00:35:33,599
those sorts of advancements during such

931
00:35:38,790 --> 00:35:36,400
a chaotic and dangerous time period

932
00:35:41,270 --> 00:35:38,800
which strongly suggests that the origins

933
00:35:45,030 --> 00:35:41,280
of human civilization lie somewhere

934
00:35:47,270 --> 00:35:45,040
before the younger dryas but how could

935
00:35:49,109 --> 00:35:47,280
this possibly be

936
00:35:51,349 --> 00:35:49,119
this suggests that while the vast

937
00:35:53,349 --> 00:35:51,359
majority of our early human ancestors

938
00:35:54,950 --> 00:35:53,359

were still living in caves and hunting

939

00:35:57,349 --> 00:35:54,960

mammoths with spears

940

00:35:59,510 --> 00:35:57,359

that someone somewhere was inventing

941

00:36:00,550 --> 00:35:59,520

geometry and astronomy and written

942

00:36:03,190 --> 00:36:00,560

language

943

00:36:05,349 --> 00:36:03,200

and honestly i can understand why

944

00:36:08,230 --> 00:36:05,359

mainstream academia has been so

945

00:36:11,829 --> 00:36:08,240

resistant to embrace this reality

946

00:36:14,310 --> 00:36:11,839

because it simply doesn't make sense

947

00:36:16,069 --> 00:36:14,320

it's not possible

948

00:36:18,790 --> 00:36:16,079

unless we are willing to admit the

949

00:36:21,030 --> 00:36:18,800

possibility that we may have been gifted

950

00:36:22,470 --> 00:36:21,040

this knowledge and that early human

951
00:36:25,750 --> 00:36:22,480
civilization

952
00:36:28,150 --> 00:36:25,760
may have been intentionally seated

953
00:36:30,950 --> 00:36:28,160
but by whom

954
00:36:32,710 --> 00:36:30,960
i'm not saying it was aliens but

955
00:36:35,109 --> 00:36:32,720
it could have been aliens

956
00:36:37,750 --> 00:36:35,119
and as i'm sure you've already guessed

957
00:36:40,550 --> 00:36:37,760
when i say aliens i'm speaking broadly

958
00:36:42,630 --> 00:36:40,560
about a non-human or alien intelligence

959
00:36:45,670 --> 00:36:42,640
that could have a number of potential

960
00:36:48,069 --> 00:36:45,680
origins whether it be extraterrestrial

961
00:36:49,589 --> 00:36:48,079
ultra-terrestrial interdimensional or

962
00:36:51,829 --> 00:36:49,599
temporal

963
00:36:53,510 --> 00:36:51,839

where they came from and who they were

964

00:36:55,510 --> 00:36:53,520

is a matter of debate

965

00:36:57,430 --> 00:36:55,520

but there seems to be no way around the

966

00:37:00,150 --> 00:36:57,440

fact that at some point in the distant

967

00:37:03,190 --> 00:37:00,160

past humans were helped by a very

968

00:37:05,430 --> 00:37:03,200

advanced and intelligent someone

969

00:37:07,270 --> 00:37:05,440

it would explain the sudden emergence of

970

00:37:08,550 --> 00:37:07,280

mathematics science and high

971

00:37:10,310 --> 00:37:08,560

civilization

972

00:37:11,670 --> 00:37:10,320

long before such things ought to have

973

00:37:13,510 --> 00:37:11,680

been possible

974

00:37:16,150 --> 00:37:13,520

it would explain how these advanced

975

00:37:18,069 --> 00:37:16,160

megalithic civilizations seem to

976

00:37:20,150 --> 00:37:18,079

continually spring out of nothingness

977

00:37:22,470 --> 00:37:20,160

and into the height of their power only

978

00:37:25,349 --> 00:37:22,480

to slowly degrade over time each new

979

00:37:28,150 --> 00:37:25,359

iteration a copy of a copy of a copy

980

00:37:29,910 --> 00:37:28,160

until its original glory is lost

981

00:37:32,069 --> 00:37:29,920

it would explain the seemingly

982

00:37:34,710 --> 00:37:32,079

impossible megalithic sites like

983

00:37:37,190 --> 00:37:34,720

pumapunku where the stones are cut too

984

00:37:39,510 --> 00:37:37,200

perfectly and balbeck where the stones

985

00:37:41,670 --> 00:37:39,520

are far too big

986

00:37:43,750 --> 00:37:41,680

it could even explain an advanced

987

00:37:45,430 --> 00:37:43,760

technological paradigm that is

988

00:37:47,750 --> 00:37:45,440

fundamentally different than the one in

989

00:37:50,310 --> 00:37:47,760

which we currently live and which seem

990

00:37:52,230 --> 00:37:50,320

to exist without the vast networks of

991

00:37:54,150 --> 00:37:52,240

infrastructure and resources that are

992

00:37:55,829 --> 00:37:54,160

required to support technology in our

993

00:37:58,550 --> 00:37:55,839

modern world

994

00:38:01,510 --> 00:37:58,560

and perhaps most tellingly it would

995

00:38:03,109 --> 00:38:01,520

explain the eerily similar myths legends

996

00:38:05,510 --> 00:38:03,119

and religious texts from around the

997

00:38:07,910 --> 00:38:05,520

world dating back to the oldest records

998

00:38:09,990 --> 00:38:07,920

that we have the tell the tale of

999

00:38:12,950 --> 00:38:10,000

powerful beings who came down from the

1000

00:38:14,790 --> 00:38:12,960

sky and gifted humans with wisdom and

1001
00:38:17,589 --> 00:38:14,800
built mighty civilizations that they

1002
00:38:20,069 --> 00:38:17,599
ruled over for thousands of years

1003
00:38:22,710 --> 00:38:20,079
and might it also explain that startling

1004
00:38:25,190 --> 00:38:22,720
claim made by tom delong about the idea

1005
00:38:27,750 --> 00:38:25,200
that he believed was responsible for not

1006
00:38:29,990 --> 00:38:27,760
just gaining his advisors attention

1007
00:38:31,270 --> 00:38:30,000
but gaining entrance into their shadowy

1008
00:38:34,150 --> 00:38:31,280
world

1009
00:38:37,069 --> 00:38:34,160
if you'll recall de long said multiple

1010
00:38:39,349 --> 00:38:37,079
times in those early and unguarded

1011
00:38:41,190 --> 00:38:39,359
2016-2017 interviews

1012
00:38:43,589 --> 00:38:41,200
that while it was his pitch that got him

1013
00:38:45,510 --> 00:38:43,599

in the door with his advisors it was

1014

00:38:46,870 --> 00:38:45,520

something else that made them take him

1015

00:38:49,030 --> 00:38:46,880

seriously

1016

00:38:51,910 --> 00:38:49,040

and that was the idea that the ufo

1017

00:38:53,109 --> 00:38:51,920

phenomenon represents multiple gods with

1018

00:38:55,109 --> 00:38:53,119

a little g

1019

00:38:57,670 --> 00:38:55,119

who wore with each other and who have

1020

00:38:59,510 --> 00:38:57,680

for millennia controlled and influenced

1021

00:39:01,829 --> 00:38:59,520

humanity

1022

00:39:04,710 --> 00:39:01,839

could all of this be true

1023

00:39:06,710 --> 00:39:04,720

and if as tom delong has said there are

1024

00:39:09,589 --> 00:39:06,720

those within our government who know

1025

00:39:12,829 --> 00:39:09,599

about this take it very seriously and

1026
00:39:15,510 --> 00:39:12,839
who recognize that is related to the ufo

1027
00:39:16,710 --> 00:39:15,520
phenomenon what does that mean about

1028
00:39:19,190 --> 00:39:16,720
i don't know

1029
00:39:21,670 --> 00:39:19,200
everything reality

1030
00:39:24,069 --> 00:39:21,680
like seriously what the

1031
00:39:26,069 --> 00:39:24,079
and if i'm being honest this is where i

1032
00:39:28,630 --> 00:39:26,079
start to feel like i'm losing it

1033
00:39:30,870 --> 00:39:28,640
because i keep retracing my steps again

1034
00:39:33,670 --> 00:39:30,880
and again trying to figure out where i

1035
00:39:36,870 --> 00:39:33,680
went wrong to end up with these same

1036
00:39:38,790 --> 00:39:36,880
conclusions that seem to somehow be both

1037
00:39:41,589 --> 00:39:38,800
entirely obvious

1038
00:39:43,430 --> 00:39:41,599

and entirely impossible

1039

00:39:45,670 --> 00:39:43,440

and i'm putting all of this out there

1040

00:39:47,510 --> 00:39:45,680

knowing that i could be wrong

1041

00:39:49,670 --> 00:39:47,520

if you pull the wrong brick out of this

1042

00:39:50,870 --> 00:39:49,680

game of reality jenga it would all come

1043

00:39:53,510 --> 00:39:50,880

crashing down

1044

00:39:55,109 --> 00:39:53,520

i accept that and i am genuinely at

1045

00:39:57,190 --> 00:39:55,119

peace with it

1046

00:39:59,190 --> 00:39:57,200

but i will say this

1047

00:40:01,589 --> 00:39:59,200

in many ways the path that we're taking

1048

00:40:03,990 --> 00:40:01,599

down the rabbit hole on this podcast

1049

00:40:05,750 --> 00:40:04,000

mirrors the path that i took and there's

1050

00:40:07,829 --> 00:40:05,760

a reason that we've ended up spending so

1051

00:40:10,069 --> 00:40:07,839

much time on this topic and why it's

1052

00:40:12,470 --> 00:40:10,079

taken me over two and a half hours into

1053

00:40:14,390 --> 00:40:12,480

a series on ancient aliens to get to the

1054

00:40:16,710 --> 00:40:14,400

point where i'm ready to say that there

1055

00:40:19,109 --> 00:40:16,720

is significant evidence of intervention

1056

00:40:21,670 --> 00:40:19,119

by an advanced non-human intelligence in

1057

00:40:24,230 --> 00:40:21,680

humanity's distant past

1058

00:40:26,550 --> 00:40:24,240

because this is where i started and when

1059

00:40:30,309 --> 00:40:26,560

i first pursued this line of questioning

1060

00:40:32,150 --> 00:40:30,319

i fully expected to debunk it and easily

1061

00:40:35,190 --> 00:40:32,160

if you go looking for literature and

1062

00:40:37,270 --> 00:40:35,200

research on ufos you'll immediately find

1063

00:40:38,950 --> 00:40:37,280

that there isn't much to find

1064

00:40:41,510 --> 00:40:38,960

and sorting through and weighing the

1065

00:40:44,309 --> 00:40:41,520

ultimate credibility of what is there is

1066

00:40:47,190 --> 00:40:44,319

daunting if not downright impossible

1067

00:40:49,510 --> 00:40:47,200

this topic is shrouded in secrecy and

1068

00:40:52,550 --> 00:40:49,520

insulated by stigma to the point that

1069

00:40:55,270 --> 00:40:52,560

there is no bedrock of consensus truth

1070

00:40:56,550 --> 00:40:55,280

there is no clearly unimpeachable source

1071

00:40:58,790 --> 00:40:56,560

material

1072

00:41:00,790 --> 00:40:58,800

there's not so much as a sticker saying

1073

00:41:02,309 --> 00:41:00,800

this end up slapped on the side of

1074

00:41:03,750 --> 00:41:02,319

ufology

1075

00:41:05,510 --> 00:41:03,760

but history

1076
00:41:08,470 --> 00:41:05,520
now that was something we had a handle

1077
00:41:10,470 --> 00:41:08,480
on and if there truly was a non-human

1078
00:41:12,710 --> 00:41:10,480
intelligence of some kind that was

1079
00:41:14,870 --> 00:41:12,720
interfering in human affairs

1080
00:41:17,349 --> 00:41:14,880
surely there would be evidence and i'm

1081
00:41:19,270 --> 00:41:17,359
not just talking about myths and legends

1082
00:41:20,790 --> 00:41:19,280
i'm not even talking about megalithic

1083
00:41:22,230 --> 00:41:20,800
stones and whether or not they were too

1084
00:41:24,309 --> 00:41:22,240
big to lift

1085
00:41:26,309 --> 00:41:24,319
all of that can be refuted and none of

1086
00:41:28,230 --> 00:41:26,319
that gives enough of a foundation of

1087
00:41:29,430 --> 00:41:28,240
certainty from which we can begin to

1088
00:41:32,230 --> 00:41:29,440

build

1089

00:41:35,270 --> 00:41:32,240

what i'm talking about is clear evidence

1090

00:41:37,829 --> 00:41:35,280

that the path of human history has been

1091

00:41:40,230 --> 00:41:37,839

in some way diverted or guided in ways

1092

00:41:41,990 --> 00:41:40,240

we can't explain by something bigger

1093

00:41:44,870 --> 00:41:42,000

than ourselves

1094

00:41:47,270 --> 00:41:44,880

and no one was more surprised than me

1095

00:41:49,510 --> 00:41:47,280

when i found exactly that

1096

00:41:53,550 --> 00:41:49,520

and i'd argue that the evidence is

1097

00:42:07,680 --> 00:42:07,670

[Music]

1098

00:42:07,680 --> 00:42:14,570

do

1099

00:43:53,270 --> 00:43:50,950

[Music]

1100

00:43:55,670 --> 00:43:53,280

if we accept that human civilization

1101
00:43:57,910 --> 00:43:55,680
emerged as the result of intervention by

1102
00:44:00,790 --> 00:43:57,920
a non-human intelligence in the distant

1103
00:44:02,630 --> 00:44:00,800
past and that this event is related in

1104
00:44:03,990 --> 00:44:02,640
some significant way to the ufo

1105
00:44:06,470 --> 00:44:04,000
phenomenon

1106
00:44:08,470 --> 00:44:06,480
this creates an interesting question

1107
00:44:11,109 --> 00:44:08,480
about the ufo phenomenon as we

1108
00:44:13,829 --> 00:44:11,119
experience it today which is

1109
00:44:15,910 --> 00:44:13,839
who is inside the ufos

1110
00:44:18,870 --> 00:44:15,920
well the most obvious answer would be

1111
00:44:20,390 --> 00:44:18,880
that it's the others whoever they are

1112
00:44:22,710 --> 00:44:20,400
perhaps they are some version of the

1113
00:44:25,430 --> 00:44:22,720

gods of old more or less immortal beings

1114

00:44:27,670 --> 00:44:25,440

with technology so advanced that even to

1115

00:44:29,190 --> 00:44:27,680

our modern eyes it looks more like magic

1116

00:44:31,589 --> 00:44:29,200

than science

1117

00:44:32,950 --> 00:44:31,599

and in episodes three four and five we

1118

00:44:35,270 --> 00:44:32,960

talked through several different

1119

00:44:38,150 --> 00:44:35,280

possibilities for who exactly they might

1120

00:44:40,069 --> 00:44:38,160

be and where they might have come from

1121

00:44:42,870 --> 00:44:40,079

but with the revelation that human

1122

00:44:44,630 --> 00:44:42,880

civilization could be thousands if not

1123

00:44:47,030 --> 00:44:44,640

tens of thousands years older than we

1124

00:44:49,190 --> 00:44:47,040

previously thought and with so much

1125

00:44:51,510 --> 00:44:49,200

evidence pointing to the startling fact

1126

00:44:53,750 --> 00:44:51,520

that some of our ancient ancestors may

1127

00:44:55,670 --> 00:44:53,760

have at least been exposed to advanced

1128

00:44:59,030 --> 00:44:55,680

technology which defies our current

1129

00:45:00,950 --> 00:44:59,040

understanding it suggests a profound new

1130

00:45:03,430 --> 00:45:00,960

possibility

1131

00:45:05,510 --> 00:45:03,440

what if some of the ufos that are being

1132

00:45:08,630 --> 00:45:05,520

reported in our skies and moving through

1133

00:45:10,710 --> 00:45:08,640

our oceans belong to humans

1134

00:45:13,589 --> 00:45:10,720

could what we're seeing be explained by

1135

00:45:15,990 --> 00:45:13,599

some isolated offshoot of humanity that

1136

00:45:18,630 --> 00:45:16,000

somehow kept the flame of civilization

1137

00:45:21,510 --> 00:45:18,640

alive across the millennia and that in

1138

00:45:24,470 --> 00:45:21,520

so doing got a technological head start

1139

00:45:27,349 --> 00:45:24,480
on us of 10 000 years or more

1140

00:45:29,349 --> 00:45:27,359
it's a fascinating possibility

1141

00:45:31,349 --> 00:45:29,359
but there is one mystery

1142

00:45:33,589 --> 00:45:31,359
more than any other that has turned me

1143

00:45:36,550 --> 00:45:33,599
inside out and kept me up late into the

1144

00:45:39,109 --> 00:45:36,560
night until dawn streaks the ceiling

1145

00:45:41,829 --> 00:45:39,119
in my mind the question that matters

1146

00:45:43,750 --> 00:45:41,839
isn't who built the megaliths or even

1147

00:45:47,589 --> 00:45:43,760
how they accomplished it

1148

00:45:49,910 --> 00:45:47,599
the only question that matters is why

1149

00:45:52,630 --> 00:45:49,920
why would people who were only recently

1150

00:45:55,510 --> 00:45:52,640
hunter-gatherers or perhaps still were

1151

00:45:57,270 --> 00:45:55,520

hunter-gatherers do this

1152

00:45:59,190 --> 00:45:57,280

the scale of these sites and the

1153

00:46:01,589 --> 00:45:59,200

megaliths that our ancestors cut to

1154

00:46:03,589 --> 00:46:01,599

raise them is enough to take our breath

1155

00:46:05,910 --> 00:46:03,599

away even now

1156

00:46:07,349 --> 00:46:05,920

their symmetry and perfection makes us

1157

00:46:09,349 --> 00:46:07,359

feel small

1158

00:46:10,790 --> 00:46:09,359

in their presence we speak in hushed

1159

00:46:12,870 --> 00:46:10,800

tones

1160

00:46:15,910 --> 00:46:12,880

how did people who spent all of their

1161

00:46:18,470 --> 00:46:15,920

lives in the natural world a place that

1162

00:46:21,270 --> 00:46:18,480

while full of grandeur and unspeakable

1163

00:46:23,990 --> 00:46:21,280

beauty is utterly devoid of the right

1164

00:46:26,069 --> 00:46:24,000

angles the precision and the elegant

1165

00:46:29,430 --> 00:46:26,079

geometry made manifest in these

1166

00:46:32,550 --> 00:46:29,440

megalithic temples and we assume them to

1167

00:46:34,630 --> 00:46:32,560

be temples or sacred religious sites

1168

00:46:36,790 --> 00:46:34,640

even when we have no other evidence for

1169

00:46:39,510 --> 00:46:36,800

calling them such because

1170

00:46:40,710 --> 00:46:39,520

in them we see what can only be called

1171

00:46:45,589 --> 00:46:40,720

worship

1172

00:46:48,069 --> 00:46:45,599

our bones

1173

00:46:50,950 --> 00:46:48,079

what did our ancestors see

1174

00:46:53,589 --> 00:46:50,960

what did they believe to be true

1175

00:46:56,390 --> 00:46:53,599

what made them strive to defy the very

1176

00:46:59,030 --> 00:46:56,400

limits of not just human ability but of

1177

00:47:01,510 --> 00:46:59,040

our capacity to recognize and create

1178

00:47:02,710 --> 00:47:01,520

both divine order and transcendent

1179

00:47:05,589 --> 00:47:02,720

beauty

1180

00:47:08,069 --> 00:47:05,599

and where did that capacity come from

1181

00:47:10,710 --> 00:47:08,079

when did it arise and how

1182

00:47:13,030 --> 00:47:10,720

and what sparked that ember of knowledge

1183

00:47:15,270 --> 00:47:13,040

and what fanned that flame to cause the

1184

00:47:17,510 --> 00:47:15,280

fever of megalithic building that seemed

1185

00:47:20,150 --> 00:47:17,520

to consume our ancestors in every

1186

00:47:22,150 --> 00:47:20,160

far-flung corner of the globe

1187

00:47:24,630 --> 00:47:22,160

did the stars call to them

1188

00:47:25,910 --> 00:47:24,640

did gods walk among them

1189

00:47:27,670 --> 00:47:25,920

or perhaps

1190

00:47:29,510 --> 00:47:27,680

they raised the megaliths because they

1191

00:47:31,829 --> 00:47:29,520

knew something that those who build

1192

00:47:34,549 --> 00:47:31,839

skyscrapers have forgotten

1193

00:47:36,950 --> 00:47:34,559

that everything is temporary that the

1194

00:47:39,190 --> 00:47:36,960

full sweep of human history is but a

1195

00:47:42,390 --> 00:47:39,200

moat floating in the infinite cosmic

1196

00:47:44,950 --> 00:47:42,400

wind and that mighty civilizations can

1197

00:47:47,190 --> 00:47:44,960

rise and fall leaving little more than a

1198

00:47:49,750 --> 00:47:47,200

whisper of their greatness

1199

00:47:55,930 --> 00:47:49,760

and that in the end

1200

00:48:41,020 --> 00:48:39,349

[Music]

1201
00:48:53,610 --> 00:48:41,030
me

1202
00:48:55,130 --> 00:48:53,620
[Music]

1203
00:49:01,620 --> 00:48:55,140
[Applause]

1204
00:49:02,060 --> 00:49:01,630
[Music]

1205
00:49:03,080 --> 00:49:02,070
[Applause]

1206
00:49:14,270 --> 00:49:03,090
[Music]

1207
00:49:27,780 --> 00:49:17,190
[Applause]

1208
00:49:57,270 --> 00:49:33,880
[Music]

1209
00:49:59,220 --> 00:49:57,280
[Applause]

1210
00:49:59,580 --> 00:49:59,230
you

1211
00:50:01,620 --> 00:49:59,590
[Music]

1212
00:50:07,990 --> 00:50:01,630
[Applause]

1213
00:50:24,280 --> 00:50:08,000

[Music]

1214

00:50:24,660 --> 00:50:24,290

[Applause]

1215

00:50:26,750 --> 00:50:24,670

[Music]

1216

00:50:29,650 --> 00:50:26,760

[Applause]

1217

00:50:31,780 --> 00:50:29,660

[Music]

1218

00:50:38,100 --> 00:50:31,790

[Applause]

1219

00:50:38,110 --> 00:50:44,710

[Music]

1220

00:50:59,349 --> 00:50:46,710

so

1221

00:51:01,460 --> 00:50:59,359

[Music]

1222

00:51:12,630 --> 00:51:01,470

hmm

1223

00:51:17,349 --> 00:51:14,950

hidden at the center of this story about

1224

00:51:19,670 --> 00:51:17,359

the dawn of human civilization

1225

00:51:20,790 --> 00:51:19,680

is another near-forgotten chapter of our

1226
00:51:23,270 --> 00:51:20,800
history

1227
00:51:25,990 --> 00:51:23,280
a devastating global cataclysm in our

1228
00:51:29,349 --> 00:51:26,000
distant past that nearly extinguished

1229
00:51:31,589 --> 00:51:29,359
the light of human civilization forever

1230
00:51:32,470 --> 00:51:31,599
but what happened twelve thousand years

1231
00:51:34,710 --> 00:51:32,480
ago

1232
00:51:36,870 --> 00:51:34,720
and could it happen again

1233
00:51:38,870 --> 00:51:36,880
there are a few different theories none

1234
00:51:40,470 --> 00:51:38,880
of which is perfect but all of which are

1235
00:51:42,630 --> 00:51:40,480
super interesting

1236
00:51:44,630 --> 00:51:42,640
so what are they

1237
00:51:46,630 --> 00:51:44,640
as we've discussed the younger drier

1238
00:51:50,630 --> 00:51:46,640

refers to the last mini ice age that

1239

00:51:52,710 --> 00:51:50,640

occurred roughly between 12 900 and 11

1240

00:51:54,950 --> 00:51:52,720

600 years ago

1241

00:51:57,829 --> 00:51:54,960

there are lots of common misconceptions

1242

00:52:00,150 --> 00:51:57,839

about ice ages from what they are to how

1243

00:52:02,309 --> 00:52:00,160

long they last so it's worth taking a

1244

00:52:05,190 --> 00:52:02,319

minute to understand exactly what we

1245

00:52:07,270 --> 00:52:05,200

mean when we say ice age

1246

00:52:08,870 --> 00:52:07,280

we tend to think of an ice age as one

1247

00:52:11,750 --> 00:52:08,880

event that lasts for a few thousand

1248

00:52:15,430 --> 00:52:11,760

years and then ends but an ice age is

1249

00:52:18,470 --> 00:52:15,440

actually part of a much longer cycle

1250

00:52:20,790 --> 00:52:18,480

an ice age is a long interval of time

1251
00:52:22,710 --> 00:52:20,800
usually spanning millions to tens of

1252
00:52:24,790 --> 00:52:22,720
millions of years when global

1253
00:52:27,109 --> 00:52:24,800
temperatures are relatively cold

1254
00:52:29,190 --> 00:52:27,119
enlarged areas of the earth are covered

1255
00:52:30,470 --> 00:52:29,200
by continental ice sheets and alpine

1256
00:52:31,670 --> 00:52:30,480
glaciers

1257
00:52:34,069 --> 00:52:31,680
however

1258
00:52:36,069 --> 00:52:34,079
within an ice age are multiple shorter

1259
00:52:38,069 --> 00:52:36,079
term periods of warmer temperatures

1260
00:52:40,549 --> 00:52:38,079
where glaciers retreat called

1261
00:52:42,470 --> 00:52:40,559
interglacial cycles and periods of

1262
00:52:45,349 --> 00:52:42,480
colder temperatures when the glaciers

1263
00:52:47,510 --> 00:52:45,359

advance called glacial cycles

1264

00:52:49,829 --> 00:52:47,520

at least five major ice ages have

1265

00:52:52,710 --> 00:52:49,839

occurred throughout earth's history

1266

00:52:54,950 --> 00:52:52,720

the first was over two billion years ago

1267

00:52:57,510 --> 00:52:54,960

the most recent one began approximately

1268

00:52:59,430 --> 00:52:57,520

three million years ago and technically

1269

00:53:01,430 --> 00:52:59,440

it continues to this day

1270

00:53:03,510 --> 00:53:01,440

what we are experiencing now is one of

1271

00:53:06,150 --> 00:53:03,520

the interglacial cycles within the

1272

00:53:08,950 --> 00:53:06,160

larger cycle of the ice age

1273

00:53:10,549 --> 00:53:08,960

this interglacial period began about 11

1274

00:53:12,069 --> 00:53:10,559

000 years ago with the end of the

1275

00:53:13,910 --> 00:53:12,079

younger dryas

1276

00:53:16,309 --> 00:53:13,920

before that the last period of

1277

00:53:19,349 --> 00:53:16,319

glaciation which is often informally

1278

00:53:20,549 --> 00:53:19,359

called the ice age peaked around 20 000

1279

00:53:22,549 --> 00:53:20,559

years ago

1280

00:53:24,630 --> 00:53:22,559

as for when the next one will be we're

1281

00:53:26,630 --> 00:53:24,640

not actually sure

1282

00:53:29,109 --> 00:53:26,640

we know that ice ages are triggered by a

1283

00:53:31,829 --> 00:53:29,119

variety of complex geologic and

1284

00:53:34,069 --> 00:53:31,839

environmental factors including changes

1285

00:53:36,390 --> 00:53:34,079

in oceanic and atmospheric circulation

1286

00:53:38,630 --> 00:53:36,400

patterns varying concentrations of

1287

00:53:41,190 --> 00:53:38,640

carbon dioxide in the atmosphere and

1288

00:53:43,430 --> 00:53:41,200

even volcanic eruptions

1289

00:53:45,430 --> 00:53:43,440

we suspect that the current ice age

1290

00:53:47,750 --> 00:53:45,440

began when the land bridge between north

1291

00:53:49,829 --> 00:53:47,760

and south america formed ending the

1292

00:53:51,990 --> 00:53:49,839

exchange of tropical water between the

1293

00:53:54,950 --> 00:53:52,000

atlantic and pacific oceans which

1294

00:53:57,510 --> 00:53:54,960

significantly altered ocean currents

1295

00:53:59,990 --> 00:53:57,520

but with climate change escalating at an

1296

00:54:01,990 --> 00:54:00,000

increasing and unprecedented rate it's

1297

00:54:04,230 --> 00:54:02,000

hard to tell what impact this may have

1298

00:54:06,710 --> 00:54:04,240

on the coming glacial cycles making it

1299

00:54:08,309 --> 00:54:06,720

difficult to impossible for scientists

1300

00:54:09,670 --> 00:54:08,319

to determine when the next one might

1301
00:54:10,710 --> 00:54:09,680
occur

1302
00:54:12,549 --> 00:54:10,720
however

1303
00:54:14,630 --> 00:54:12,559
none of this really helps us understand

1304
00:54:18,790 --> 00:54:14,640
the younger dryas

1305
00:54:21,349 --> 00:54:18,800
wasn't as simple as changing ocean

1306
00:54:23,270 --> 00:54:21,359
currents and the devastation that ensued

1307
00:54:24,549 --> 00:54:23,280
is evidence of something far more

1308
00:54:26,230 --> 00:54:24,559
profound

1309
00:54:28,470 --> 00:54:26,240
as you'll recall from the previous

1310
00:54:31,270 --> 00:54:28,480
episode at the onset of the younger

1311
00:54:33,430 --> 00:54:31,280
dryas there was a massive worldwide

1312
00:54:36,470 --> 00:54:33,440
extinction of large mammals weighing

1313
00:54:39,750 --> 00:54:36,480

over 40 kilograms or 88 pounds

1314

00:54:41,990 --> 00:54:39,760

it is estimated that 82 of these animals

1315

00:54:45,910 --> 00:54:42,000

disappeared in north america

1316

00:54:51,670 --> 00:54:45,920

74 in south america 71

1317

00:54:55,270 --> 00:54:51,680

in australasia 59 in europe 52 in asia

1318

00:54:57,589 --> 00:54:55,280

and 16 in sub-saharan africa

1319

00:54:59,750 --> 00:54:57,599

this mass extinction event marked the

1320

00:55:02,309 --> 00:54:59,760

demise of the mammoths as well as the

1321

00:55:05,109 --> 00:55:02,319

disappearance of horses in north america

1322

00:55:07,430 --> 00:55:05,119

and other species including bison deer

1323

00:55:08,789 --> 00:55:07,440

and moose suffered massive population

1324

00:55:11,109 --> 00:55:08,799

losses

1325

00:55:13,750 --> 00:55:11,119

this kind of near global extinction

1326

00:55:15,670 --> 00:55:13,760

event is not consistent with the simple

1327

00:55:18,630 --> 00:55:15,680

onset of an ice age

1328

00:55:20,710 --> 00:55:18,640

which tends to occur gradually and yet

1329

00:55:23,190 --> 00:55:20,720

this is the story that is still embraced

1330

00:55:25,589 --> 00:55:23,200

by most mainstream academics that the

1331

00:55:27,109 --> 00:55:25,599

younger dryas was caused by changes in

1332

00:55:29,349 --> 00:55:27,119

ocean currents

1333

00:55:31,109 --> 00:55:29,359

so what happened

1334

00:55:33,109 --> 00:55:31,119

one of the most popular and well

1335

00:55:35,750 --> 00:55:33,119

supported theories is that there was

1336

00:55:38,150 --> 00:55:35,760

some sort of a massive cataclysm a black

1337

00:55:39,910 --> 00:55:38,160

swan event of some kind that rapidly and

1338

00:55:42,309 --> 00:55:39,920

drastically changed the conditions on

1339

00:55:44,390 --> 00:55:42,319

the planet leading to a massive die-off

1340

00:55:46,470 --> 00:55:44,400

of terrestrial mammals

1341

00:55:48,630 --> 00:55:46,480

but there is considerable disagreement

1342

00:55:50,470 --> 00:55:48,640

about what this might have been

1343

00:55:52,069 --> 00:55:50,480

so let's talk about some of the most

1344

00:55:54,950 --> 00:55:52,079

popular theories

1345

00:55:56,950 --> 00:55:54,960

the first is a comet impact

1346

00:55:59,270 --> 00:55:56,960

many studies have shown significant

1347

00:56:00,870 --> 00:55:59,280

evidence of a major biomass burning

1348

00:56:03,030 --> 00:56:00,880

event that occurred right at the

1349

00:56:05,270 --> 00:56:03,040

beginning of the younger dryas

1350

00:56:07,510 --> 00:56:05,280

so basically something happened that

1351
00:56:09,589 --> 00:56:07,520
caused so much of the planet to catch on

1352
00:56:11,510 --> 00:56:09,599
fire that we can literally see it in the

1353
00:56:13,829 --> 00:56:11,520
geologic record

1354
00:56:16,069 --> 00:56:13,839
at sites around the world we've found a

1355
00:56:18,150 --> 00:56:16,079
thick black layer often called the

1356
00:56:20,789 --> 00:56:18,160
younger driest boundary that is

1357
00:56:22,230 --> 00:56:20,799
consistent with biomass burning right at

1358
00:56:24,309 --> 00:56:22,240
the depth that would align with the

1359
00:56:27,109 --> 00:56:24,319
beginning of the younger dryas

1360
00:56:29,190 --> 00:56:27,119
emphasizing how widespread this disaster

1361
00:56:32,390 --> 00:56:29,200
truly was

1362
00:56:34,870 --> 00:56:32,400
in ice cores from greenland antarctica

1363
00:56:37,430 --> 00:56:34,880

and russia we can see drastically

1364

00:56:39,589 --> 00:56:37,440

increased dust concentrations as well as

1365

00:56:41,910 --> 00:56:39,599

chemical signatures consistent with

1366

00:56:43,990 --> 00:56:41,920

massive biomass burning

1367

00:56:45,990 --> 00:56:44,000

whatever happened it left its mark

1368

00:56:48,630 --> 00:56:46,000

across the globe

1369

00:56:50,870 --> 00:56:48,640

for many the best explanation for this

1370

00:56:53,030 --> 00:56:50,880

would be a comet impact whether it be

1371

00:56:55,190 --> 00:56:53,040

one comet or many pieces of a comet that

1372

00:56:57,109 --> 00:56:55,200

may have broken apart that struck

1373

00:56:59,589 --> 00:56:57,119

somewhere in the northern hemisphere

1374

00:57:01,349 --> 00:56:59,599

most likely in north america

1375

00:57:03,910 --> 00:57:01,359

one study published in the journal of

1376
00:57:05,670 --> 00:57:03,920
geology estimated that as much as nine

1377
00:57:09,430 --> 00:57:05,680
percent of the earth's terrestrial

1378
00:57:11,589 --> 00:57:09,440
biomass burned in one devastating event

1379
00:57:13,430 --> 00:57:11,599
but after the fires died things would

1380
00:57:15,430 --> 00:57:13,440
have cooled down quickly

1381
00:57:17,109 --> 00:57:15,440
the amount of dust and ash in the

1382
00:57:19,829 --> 00:57:17,119
atmosphere would have blocked out the

1383
00:57:22,069 --> 00:57:19,839
sun causing temperatures to plummet

1384
00:57:24,309 --> 00:57:22,079
triggering a new ice age

1385
00:57:26,870 --> 00:57:24,319
another possibility and one that is

1386
00:57:28,630 --> 00:57:26,880
favored by dr robert shock whose work on

1387
00:57:30,069 --> 00:57:28,640
dating the sphinx we talked about in the

1388
00:57:32,309 --> 00:57:30,079

last episode

1389

00:57:34,390 --> 00:57:32,319

is a solar event

1390

00:57:36,710 --> 00:57:34,400

we tend to think of our sun as being

1391

00:57:38,069 --> 00:57:36,720

constant and stable but it's actually

1392

00:57:39,750 --> 00:57:38,079

anything but

1393

00:57:41,510 --> 00:57:39,760

it goes through periods of solar

1394

00:57:43,670 --> 00:57:41,520

maximums where it's very active and

1395

00:57:46,549 --> 00:57:43,680

erratic resulting in more activity like

1396

00:57:47,589 --> 00:57:46,559

sun spots and sun flares about every 11

1397

00:57:49,430 --> 00:57:47,599

years

1398

00:57:51,510 --> 00:57:49,440

we're generally protected from this sort

1399

00:57:53,109 --> 00:57:51,520

of activity by the electromagnetic field

1400

00:57:55,829 --> 00:57:53,119

that surrounds the earth

1401

00:57:57,430 --> 00:57:55,839

but like our sun this field also goes

1402

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

through cycles where it's sometimes

1403

00:58:01,750 --> 00:57:59,760

stronger and sometimes weaker

1404

00:58:03,910 --> 00:58:01,760

without getting too in the weeds it

1405

00:58:06,710 --> 00:58:03,920

could be that a particularly violent

1406

00:58:08,789 --> 00:58:06,720

solar maximum could have coincided with

1407

00:58:11,270 --> 00:58:08,799

a weakening of the electromagnetic field

1408

00:58:13,270 --> 00:58:11,280

around the earth which could have caused

1409

00:58:15,270 --> 00:58:13,280

massive electrical storms and allowed

1410

00:58:16,789 --> 00:58:15,280

deadly cosmic rays and radiation to

1411

00:58:18,710 --> 00:58:16,799

reach the earth

1412

00:58:21,030 --> 00:58:18,720

this could also account for much of the

1413

00:58:22,870 --> 00:58:21,040

same evidence as a comet strike

1414

00:58:25,309 --> 00:58:22,880

and to be honest i don't think that i

1415

00:58:27,750 --> 00:58:25,319

have a firm enough grasp on the complex

1416

00:58:30,309 --> 00:58:27,760

geoclimatological factors involved to

1417

00:58:32,470 --> 00:58:30,319

give an opinion one way or another

1418

00:58:34,470 --> 00:58:32,480

suffice it to say the evidence of the

1419

00:58:36,230 --> 00:58:34,480

younger dryas was initiated by a

1420

00:58:38,870 --> 00:58:36,240

devastating burning event is

1421

00:58:40,870 --> 00:58:38,880

overwhelming but what caused it is still

1422

00:58:43,349 --> 00:58:40,880

a matter of some debate to be settled by

1423

00:58:44,470 --> 00:58:43,359

people much smarter than myself

1424

00:58:46,390 --> 00:58:44,480

however

1425

00:58:48,470 --> 00:58:46,400

there is another set of much more

1426

00:58:50,470 --> 00:58:48,480

bizarre theories about not just the

1427

00:58:53,349 --> 00:58:50,480

cataclysm that occurred at the onset of

1428

00:58:55,030 --> 00:58:53,359

the younger dryas but a long cycle of

1429

00:58:55,990 --> 00:58:55,040

cataclysms that have occurred on this

1430

00:58:58,950 --> 00:58:56,000

planet

1431

00:59:00,870 --> 00:58:58,960

and bizarre though they may be i promise

1432

00:59:03,589 --> 00:59:00,880

if you hear me out i'll make the case

1433

00:59:06,390 --> 00:59:03,599

for why this is worth your consideration

1434

00:59:08,470 --> 00:59:06,400

so let's look at the evidence

1435

00:59:10,789 --> 00:59:08,480

when we look at the earliest stories and

1436

00:59:13,349 --> 00:59:10,799

myths in cultures around the world we

1437

00:59:16,549 --> 00:59:13,359

find one story that appears again and

1438

00:59:18,870 --> 00:59:16,559

again which is that of a great flood

1439

00:59:21,190 --> 00:59:18,880

much like noah's flood in the bible

1440

00:59:22,309 --> 00:59:21,200

these stories tend to follow a common

1441

00:59:24,309 --> 00:59:22,319

course

1442

00:59:26,150 --> 00:59:24,319

there is a great flood that is sent by

1443

00:59:27,190 --> 00:59:26,160

one or more of the gods to destroy the

1444

00:59:29,190 --> 00:59:27,200

earth

1445

00:59:30,870 --> 00:59:29,200

only a handful of people are saved

1446

00:59:32,470 --> 00:59:30,880

usually by some kind of warning or

1447

00:59:34,390 --> 00:59:32,480

divine intervention

1448

00:59:36,309 --> 00:59:34,400

and after the flood the survivors

1449

00:59:38,069 --> 00:59:36,319

repopulate the earth

1450

00:59:40,470 --> 00:59:38,079

and because of the ubiquity of this

1451

00:59:42,150 --> 00:59:40,480

story there are many who argue that it

1452

00:59:44,309 --> 00:59:42,160

must have been a flood that was to blame

1453

00:59:46,710 --> 00:59:44,319

for the near erasure of whatever human

1454

00:59:48,150 --> 00:59:46,720

civilization existed before the younger

1455

00:59:50,470 --> 00:59:48,160

dryas

1456

00:59:52,710 --> 00:59:50,480

and i will say that through this process

1457

00:59:54,390 --> 00:59:52,720

one thing that i truly didn't expect but

1458

00:59:56,230 --> 00:59:54,400

that has been impressed upon me by the

1459

00:59:58,069 --> 00:59:56,240

evidence again and again

1460

00:59:59,910 --> 00:59:58,079

is that i don't think we give nearly

1461

01:00:01,750 --> 00:59:59,920

enough attention to ancient myths and

1462

01:00:03,349 --> 01:00:01,760

legends when it comes to understanding

1463

01:00:05,349 --> 01:00:03,359

our distant past

1464

01:00:07,670 --> 01:00:05,359

i'm not suggesting that we should treat

1465

01:00:09,430 --> 01:00:07,680

these as historical records but we

1466

01:00:11,270 --> 01:00:09,440

shouldn't dismiss what they have to say

1467

01:00:12,870 --> 01:00:11,280

out of hand either

1468

01:00:15,430 --> 01:00:12,880

stories that were important enough to

1469

01:00:17,750 --> 01:00:15,440

pass down through the ages to record in

1470

01:00:20,150 --> 01:00:17,760

the pages of our religious texts and to

1471

01:00:22,470 --> 01:00:20,160

literally chisel into the stone walls of

1472

01:00:24,470 --> 01:00:22,480

megalithic temples were important to

1473

01:00:27,030 --> 01:00:24,480

people for a reason

1474

01:00:29,190 --> 01:00:27,040

they may or may not convey literal truth

1475

01:00:31,829 --> 01:00:29,200

but they do reveal something about the

1476

01:00:34,230 --> 01:00:31,839

people telling the story and at the very

1477

01:00:35,670 --> 01:00:34,240

least i don't think it's crazy to argue

1478

01:00:37,349 --> 01:00:35,680

that the fact that this story of a

1479

01:00:39,349 --> 01:00:37,359

massive flood that nearly wiped out

1480

01:00:41,589 --> 01:00:39,359

humanity shows up in cultures around the

1481

01:00:44,309 --> 01:00:41,599

world following a nearly identical

1482

01:00:46,470 --> 01:00:44,319

narrative arc suggests some sort of

1483

01:00:48,789 --> 01:00:46,480

shared experience or awareness on the

1484

01:00:50,470 --> 01:00:48,799

part of our ancestors

1485

01:00:51,990 --> 01:00:50,480

let's stop for a minute and just say for

1486

01:00:54,069 --> 01:00:52,000

the sake of argument that a massive

1487

01:00:56,470 --> 01:00:54,079

global flood did happen in the distant

1488

01:00:58,789 --> 01:00:56,480

past wouldn't we expect to see exactly

1489

01:01:00,870 --> 01:00:58,799

what we're seeing wouldn't we expect it

1490

01:01:02,710 --> 01:01:00,880

to be recorded and myth and legend

1491

01:01:04,950 --> 01:01:02,720

across cultures

1492

01:01:07,190 --> 01:01:04,960

now of course that doesn't prove

1493

01:01:09,829 --> 01:01:07,200

anything and it doesn't really help us

1494

01:01:12,230 --> 01:01:09,839

to overcome the most obvious and logical

1495

01:01:13,190 --> 01:01:12,240

refutation of the reality of the great

1496

01:01:16,230 --> 01:01:13,200

flood

1497

01:01:18,230 --> 01:01:16,240

which is that as far as we know a global

1498

01:01:20,630 --> 01:01:18,240

flood on a scale that could nearly wipe

1499

01:01:22,230 --> 01:01:20,640

out humanity doesn't seem like it should

1500

01:01:24,230 --> 01:01:22,240

be possible

1501

01:01:26,549 --> 01:01:24,240

in the myths the flood was usually

1502

01:01:28,630 --> 01:01:26,559

caused by one or more deities but if

1503

01:01:30,630 --> 01:01:28,640

we're looking for an actual known

1504

01:01:32,549 --> 01:01:30,640

non-supernatural mechanism by which a

1505

01:01:34,150 --> 01:01:32,559

flood of the scale could have happened

1506

01:01:35,990 --> 01:01:34,160

we come up short

1507

01:01:37,589 --> 01:01:36,000

we're familiar with how floods happen

1508

01:01:39,510 --> 01:01:37,599

but they tend to be regional and

1509

01:01:41,349 --> 01:01:39,520

wouldn't explain the global impact that

1510

01:01:43,349 --> 01:01:41,359

the stories point to

1511

01:01:45,030 --> 01:01:43,359

we're even familiar with rising sea

1512

01:01:47,109 --> 01:01:45,040

levels and how entire cities and

1513

01:01:49,109 --> 01:01:47,119

low-lying coastal areas can end up under

1514

01:01:51,589 --> 01:01:49,119

water due to climate change

1515

01:01:53,829 --> 01:01:51,599

but looking at our modern day situation

1516

01:01:56,470 --> 01:01:53,839

even the most catastrophic estimates for

1517

01:01:58,069 --> 01:01:56,480

sea level rise by the year 2100 are at

1518

01:01:59,910 --> 01:01:58,079

about eight feet

1519

01:02:02,390 --> 01:01:59,920

which don't get me wrong would be

1520

01:02:04,630 --> 01:02:02,400

absolutely devastating but it wouldn't

1521

01:02:07,990 --> 01:02:04,640

happen overnight it wouldn't be the

1522

01:02:10,710 --> 01:02:08,000

great deluge described by our ancestors

1523

01:02:12,549 --> 01:02:10,720

so if the great flood was real

1524

01:02:14,150 --> 01:02:12,559

is there anything that could possibly

1525

01:02:16,789 --> 01:02:14,160

explain it

1526

01:02:19,190 --> 01:02:16,799

there just might be

1527

01:02:21,990 --> 01:02:19,200

and one theory describing this bizarre

1528

01:02:24,390 --> 01:02:22,000

cataclysm found an unlikely proponent in

1529

01:02:25,349 --> 01:02:24,400

one of the great minds of his or any

1530

01:02:27,349 --> 01:02:25,359

time

1531

01:02:29,670 --> 01:02:27,359

albert einstein

1532

01:02:31,750 --> 01:02:29,680

due to the scope and impact of his work

1533

01:02:34,069 --> 01:02:31,760

in the world of physics most people

1534

01:02:36,230 --> 01:02:34,079

don't realize that albert einstein also

1535

01:02:38,069 --> 01:02:36,240

had a considerable interest in the earth

1536

01:02:40,789 --> 01:02:38,079

sciences and made important

1537

01:02:43,349 --> 01:02:40,799

contributions in that field as well

1538

01:02:46,630 --> 01:02:43,359

in particular he did some important work

1539

01:02:48,789 --> 01:02:46,640

in the area of fluvial geomorphology

1540

01:02:51,270 --> 01:02:48,799

which is the study of landforms and

1541

01:02:53,910 --> 01:02:51,280

processes associated with rivers

1542

01:02:56,309 --> 01:02:53,920

einstein was the first to articulate how

1543

01:02:58,309 --> 01:02:56,319

helical flow helps determined meander

1544

01:03:00,789 --> 01:02:58,319

length and promotes down current

1545

01:03:02,870 --> 01:03:00,799

migration of the meandering rivers

1546

01:03:05,190 --> 01:03:02,880

so basically it was a model for how

1547

01:03:06,710 --> 01:03:05,200

rivers form and cut their path across a

1548

01:03:08,950 --> 01:03:06,720

landscape

1549

01:03:11,190 --> 01:03:08,960

einstein was also very interested in

1550

01:03:13,430 --> 01:03:11,200

emerging theories of the time including

1551

01:03:15,109 --> 01:03:13,440

charles hapgood's ideas about crust

1552

01:03:17,270 --> 01:03:15,119

displacement

1553

01:03:19,750 --> 01:03:17,280

what hapgood proposed was that the

1554

01:03:21,670 --> 01:03:19,760

uneven distribution of weight caused by

1555

01:03:22,950 --> 01:03:21,680

an accumulation of ice around the

1556

01:03:25,670 --> 01:03:22,960

earth's poles

1557

01:03:28,630 --> 01:03:25,680

could at times cause the earth's crust

1558

01:03:30,630 --> 01:03:28,640

to slip dramatically on its mantle by as

1559

01:03:32,950 --> 01:03:30,640

much as 30 degrees

1560

01:03:35,910 --> 01:03:32,960

the impact of such an event would be

1561

01:03:38,390 --> 01:03:35,920

absolutely catastrophic and would result

1562

01:03:41,029 --> 01:03:38,400

in everything from volcanic eruptions to

1563

01:03:43,510 --> 01:03:41,039

massive flash floods worldwide

1564

01:03:45,510 --> 01:03:43,520

it would also cause the poles to change

1565

01:03:47,029 --> 01:03:45,520

position as the land that used to be

1566

01:03:49,349 --> 01:03:47,039

over the poles would be shifted

1567

01:03:51,270 --> 01:03:49,359

thousands of miles away

1568

01:03:54,150 --> 01:03:51,280

happgood presented extensive

1569

01:03:56,789 --> 01:03:54,160

climatological research that he claimed

1570

01:03:58,950 --> 01:03:56,799

and which einstein agreed supported his

1571

01:04:01,270 --> 01:03:58,960

hypothesis that global patterns of

1572

01:04:02,150 --> 01:04:01,280

climate change over the past 100 000

1573

01:04:04,309 --> 01:04:02,160

years

1574

01:04:06,549 --> 01:04:04,319

could be the result of displacements of

1575

01:04:09,109 --> 01:04:06,559

the earth's crust and corresponding

1576

01:04:11,829 --> 01:04:09,119

shifts of the geographic poles

1577

01:04:14,069 --> 01:04:11,839

in modeling the data he proposed that

1578

01:04:17,430 --> 01:04:14,079

three geographic pole shifts had

1579

01:04:19,910 --> 01:04:17,440

occurred over the past 100 000 years

1580

01:04:22,230 --> 01:04:19,920

according to hapgood approximately a

1581

01:04:24,069 --> 01:04:22,240

hundred thousand years ago the north

1582

01:04:26,950 --> 01:04:24,079

pole was in the yukon

1583

01:04:29,829 --> 01:04:26,960

then around 75 000 years ago it shifted

1584

01:04:32,470 --> 01:04:29,839

to a spot between iceland and norway

1585

01:04:34,470 --> 01:04:32,480

around 50 000 years ago it shifted from

1586

01:04:37,510 --> 01:04:34,480

there to the hudson bay

1587

01:04:39,430 --> 01:04:37,520

and then finally sometime around 12 000

1588

01:04:41,029 --> 01:04:39,440

years ago it shifted to its current

1589

01:04:43,270 --> 01:04:41,039

location

1590

01:04:44,470 --> 01:04:43,280

and there's that 12 000 years ago date

1591

01:04:46,789 --> 01:04:44,480

again

1592

01:04:48,710 --> 01:04:46,799

now the mainstream scientific stance is

1593

01:04:51,109 --> 01:04:48,720

that this is impossible and that the

1594

01:04:53,829 --> 01:04:51,119

shifting of the poles does happen but

1595

01:04:56,470 --> 01:04:53,839

very slowly approximately 30 degrees

1596

01:04:58,390 --> 01:04:56,480

over the past 200 million years

1597

01:05:00,309 --> 01:04:58,400

and i honestly hope that they're right

1598

01:05:02,150 --> 01:05:00,319

on this one because i frankly find this

1599

01:05:05,349 --> 01:05:02,160

idea to be terrifying

1600

01:05:07,029 --> 01:05:05,359

einstein however was super into it

1601
01:05:08,870 --> 01:05:07,039
over the last couple years of his life

1602
01:05:10,870 --> 01:05:08,880
einstein maintained an ongoing

1603
01:05:13,029 --> 01:05:10,880
correspondence with hapgood about his

1604
01:05:15,190 --> 01:05:13,039
ideas and was very encouraging of his

1605
01:05:16,950 --> 01:05:15,200
efforts and while he did eventually

1606
01:05:18,789 --> 01:05:16,960
convince hapgood that the weight of

1607
01:05:20,549 --> 01:05:18,799
polar ice wouldn't be sufficient to

1608
01:05:22,390 --> 01:05:20,559
shift the earth's crust

1609
01:05:24,069 --> 01:05:22,400
he was compelled by the evidence that

1610
01:05:26,870 --> 01:05:24,079
the polls had

1611
01:05:29,109 --> 01:05:26,880
somehow shifted dramatically

1612
01:05:31,109 --> 01:05:29,119
einstein was such a fan of hapgood's

1613
01:05:33,829 --> 01:05:31,119

work that he actually wrote the foreword

1614

01:05:35,829 --> 01:05:33,839

to his book earth's shifting crust

1615

01:05:38,150 --> 01:05:35,839

and when einstein passed away it was

1616

01:05:39,589 --> 01:05:38,160

that very same book that still sat open

1617

01:05:41,910 --> 01:05:39,599

on his desk

1618

01:05:44,789 --> 01:05:41,920

but it wasn't just hapgood whose work

1619

01:05:47,589 --> 01:05:44,799

caught einstein's attention an even more

1620

01:05:50,470 --> 01:05:47,599

bombastic theory about cyclical global

1621

01:05:54,309 --> 01:05:50,480

cataclysms was put forth by a man named

1622

01:05:56,390 --> 01:05:54,319

emmanuel velikovsky in 1940 in his book

1623

01:05:58,870 --> 01:05:56,400

worlds in collision

1624

01:06:01,190 --> 01:05:58,880

velikovsky compared numerous natural

1625

01:06:03,750 --> 01:06:01,200

disasters in the bible and other ancient

1626
01:06:04,789 --> 01:06:03,760
texts and based on that he proposed the

1627
01:06:07,589 --> 01:06:04,799
following

1628
01:06:09,910 --> 01:06:07,599
truly wild scenario

1629
01:06:12,870 --> 01:06:09,920
according to velikovsky at some point in

1630
01:06:15,029 --> 01:06:12,880
the past jupiter somehow burped out a

1631
01:06:17,109 --> 01:06:15,039
comet that then fell toward the sun in a

1632
01:06:19,430 --> 01:06:17,119
long elliptical orbit

1633
01:06:21,510 --> 01:06:19,440
as it went past mars it pulled it out of

1634
01:06:22,710 --> 01:06:21,520
its orbit and also yanked off its

1635
01:06:24,870 --> 01:06:22,720
atmosphere

1636
01:06:27,270 --> 01:06:24,880
it then passed the earth causing a

1637
01:06:30,069 --> 01:06:27,280
series of catastrophes which repeated

1638
01:06:32,470 --> 01:06:30,079

approximately every 52 years as it made

1639

01:06:35,029 --> 01:06:32,480

its long orbit around the sun

1640

01:06:37,109 --> 01:06:35,039

before eventually settling into orbit

1641

01:06:39,750 --> 01:06:37,119

between mercury and the earth becoming

1642

01:06:40,549 --> 01:06:39,760

the planet we now know is venus

1643

01:06:42,710 --> 01:06:40,559

now

1644

01:06:44,549 --> 01:06:42,720

i'm sure i don't need to tell any of you

1645

01:06:46,630 --> 01:06:44,559

that there is literally nothing in all

1646

01:06:48,150 --> 01:06:46,640

of science that would support that

1647

01:06:50,150 --> 01:06:48,160

the entire thing is absurd and

1648

01:06:51,750 --> 01:06:50,160

impossible for a multitude of reasons

1649

01:06:52,789 --> 01:06:51,760

that a fifth grader could likely point

1650

01:06:55,910 --> 01:06:52,799

out

1651
01:06:58,870 --> 01:06:55,920
so why was albert einstein wasting his

1652
01:07:01,109 --> 01:06:58,880
time on these crazy ideas

1653
01:07:03,589 --> 01:07:01,119
well from what we find in the record of

1654
01:07:05,589 --> 01:07:03,599
correspondence between the two men

1655
01:07:08,470 --> 01:07:05,599
einstein believed that there was at

1656
01:07:10,150 --> 01:07:08,480
least part of his idea that had merit he

1657
01:07:12,789 --> 01:07:10,160
wrote the following in a letter to

1658
01:07:14,309 --> 01:07:12,799
velikovsky about his book

1659
01:07:16,710 --> 01:07:14,319
i have read the whole book about the

1660
01:07:18,870 --> 01:07:16,720
planet venus there is much of interest

1661
01:07:21,670 --> 01:07:18,880
in the book which proves that in fact

1662
01:07:24,549 --> 01:07:21,680
catastrophes have taken place which must

1663
01:07:25,510 --> 01:07:24,559

be attributed to extraterrestrial causes

1664

01:07:27,430 --> 01:07:25,520

however

1665

01:07:29,829 --> 01:07:27,440

it is evident to every sensible

1666

01:07:32,630 --> 01:07:29,839

physicist that these catastrophes can

1667

01:07:34,710 --> 01:07:32,640

have nothing to do with the planet venus

1668

01:07:36,630 --> 01:07:34,720

your arguments in this regard are so

1669

01:07:39,510 --> 01:07:36,640

weak as opposed to the mechanical

1670

01:07:41,589 --> 01:07:39,520

astronomical ones that no expert will be

1671

01:07:43,670 --> 01:07:41,599

able to take them seriously

1672

01:07:45,829 --> 01:07:43,680

it were best in my opinion if you would

1673

01:07:48,470 --> 01:07:45,839

in this way revise your books which

1674

01:07:50,630 --> 01:07:48,480

contain truly valuable material

1675

01:07:52,710 --> 01:07:50,640

if you cannot decide on this then what

1676

01:07:54,710 --> 01:07:52,720

is valuable in your deliberations will

1677

01:07:56,870 --> 01:07:54,720

become ineffective and it may be

1678

01:07:58,789 --> 01:07:56,880

difficult finding a sensible publisher

1679

01:08:01,349 --> 01:07:58,799

who would take the risk of such a heavy

1680

01:08:03,910 --> 01:08:01,359

fiasco upon himself

1681

01:08:06,470 --> 01:08:03,920

or as he said more succinctly in a later

1682

01:08:09,750 --> 01:08:06,480

letter regarding velikovsky's work

1683

01:08:11,990 --> 01:08:09,760

i can say in short catastrophes yes

1684

01:08:14,230 --> 01:08:12,000

venus no

1685

01:08:15,829 --> 01:08:14,240

einstein's rather direct feedback didn't

1686

01:08:17,910 --> 01:08:15,839

seem to have a negative impact on his

1687

01:08:19,669 --> 01:08:17,920

relationship with felikovsky and

1688

01:08:21,269 --> 01:08:19,679

einstein continued to encourage him in

1689

01:08:23,110 --> 01:08:21,279

his work through their nine year

1690

01:08:26,149 --> 01:08:23,120

correspondence

1691

01:08:28,149 --> 01:08:26,159

so what becomes clear is that although

1692

01:08:31,030 --> 01:08:28,159

einstein wasn't compelled by their

1693

01:08:33,590 --> 01:08:31,040

explanations for the exact mechanisms of

1694

01:08:36,229 --> 01:08:33,600

how these cataclysms occurred

1695

01:08:38,709 --> 01:08:36,239

he was convinced by the work of both men

1696

01:08:42,149 --> 01:08:38,719

surrounding the reality of cyclical

1697

01:08:43,430 --> 01:08:42,159

global cataclysms in our distant past

1698

01:08:44,950 --> 01:08:43,440

now granted

1699

01:08:47,110 --> 01:08:44,960

just because he was one of the greatest

1700

01:08:49,590 --> 01:08:47,120

thinkers in human history doesn't mean

1701

01:08:51,829 --> 01:08:49,600

that einstein was infallible and just

1702

01:08:54,630 --> 01:08:51,839

because he took an interest in the topic

1703

01:08:56,870 --> 01:08:54,640

doesn't mean that it's necessarily true

1704

01:08:59,510 --> 01:08:56,880

but it is interesting

1705

01:09:02,309 --> 01:08:59,520

and einstein isn't the only notable to

1706

01:09:05,110 --> 01:09:02,319

have taken an interest in this idea

1707

01:09:06,550 --> 01:09:05,120

the cia has actually shown an interest

1708

01:09:09,430 --> 01:09:06,560

as well

1709

01:09:12,390 --> 01:09:09,440

in 2013 among a massive dump of newly

1710

01:09:13,829 --> 01:09:12,400

declassified cia files was something

1711

01:09:16,870 --> 01:09:13,839

very strange

1712

01:09:19,189 --> 01:09:16,880

a sanitized version of a book called the

1713

01:09:21,990 --> 01:09:19,199

story of adam and eve

1714

01:09:24,630 --> 01:09:22,000

this book was written in 1966 by a

1715

01:09:25,669 --> 01:09:24,640

former u.s air force employee named chan

1716

01:09:28,070 --> 01:09:25,679

thomas

1717

01:09:32,390 --> 01:09:28,080

but before the book was released it was

1718

01:09:35,030 --> 01:09:32,400

seized banned and classified by the cia

1719

01:09:37,910 --> 01:09:35,040

the original book was allegedly over 200

1720

01:09:39,829 --> 01:09:37,920

pages but only 57 pages remain in the

1721

01:09:41,510 --> 01:09:39,839

sanitized version that was released in

1722

01:09:42,550 --> 01:09:41,520

2013.

1723

01:09:44,789 --> 01:09:42,560

so

1724

01:09:47,990 --> 01:09:44,799

what could this book possibly say that

1725

01:09:50,309 --> 01:09:48,000

would make the cia take such an interest

1726

01:09:52,229 --> 01:09:50,319

and go to such great lengths to keep the

1727

01:09:54,310 --> 01:09:52,239

public from reading it

1728

01:09:56,390 --> 01:09:54,320

i've read the declassified version and

1729

01:09:58,310 --> 01:09:56,400

i've got to tell you it's more than a

1730

01:10:00,550 --> 01:09:58,320

little perplexing

1731

01:10:01,990 --> 01:10:00,560

the book describes a series of disasters

1732

01:10:04,470 --> 01:10:02,000

that have occurred on the planet at

1733

01:10:05,430 --> 01:10:04,480

intervals of approximately every 7 000

1734

01:10:07,270 --> 01:10:05,440

years

1735

01:10:09,590 --> 01:10:07,280

these disasters are caused by the

1736

01:10:11,990 --> 01:10:09,600

earth's crust becoming unbalanced and

1737

01:10:14,709 --> 01:10:12,000

slipping along the mantle much like in

1738

01:10:16,550 --> 01:10:14,719

the crust displacement theory but this

1739

01:10:18,950 --> 01:10:16,560

is on another level

1740

01:10:21,350 --> 01:10:18,960

instead of the crust slipping 30 degrees

1741

01:10:23,510 --> 01:10:21,360

or so the story of adam and eve

1742

01:10:25,990 --> 01:10:23,520

describes a scenario in which the poles

1743

01:10:29,189 --> 01:10:26,000

would swing basically all the way down

1744

01:10:31,350 --> 01:10:29,199

to the equator in a matter of hours

1745

01:10:33,510 --> 01:10:31,360

according to the book when this happens

1746

01:10:35,189 --> 01:10:33,520

the oceans and atmosphere continue to

1747

01:10:38,709 --> 01:10:35,199

spin in the direction that they always

1748

01:10:41,910 --> 01:10:38,719

have while the crust moves independently

1749

01:10:44,630 --> 01:10:41,920

this causes catastrophic 1000 mile per

1750

01:10:46,870 --> 01:10:44,640

hour winds and even more disturbingly

1751
01:10:48,870 --> 01:10:46,880
the oceans continue their journey west

1752
01:10:51,189 --> 01:10:48,880
to east with the spinning of the earth

1753
01:10:53,669 --> 01:10:51,199
while the crust is jerked north to south

1754
01:10:56,790 --> 01:10:53,679
which according to the book would cause

1755
01:10:58,950 --> 01:10:56,800
a massive two mile high wave

1756
01:11:01,030 --> 01:10:58,960
in the u.s this wave would start on the

1757
01:11:03,669 --> 01:11:01,040
west coast and move east across the

1758
01:11:06,630 --> 01:11:03,679
entire continent covering it in over a

1759
01:11:09,189 --> 01:11:06,640
mile of water in under three hours

1760
01:11:11,030 --> 01:11:09,199
this wave would circumnavigate the globe

1761
01:11:12,709 --> 01:11:11,040
several times and would take up to a

1762
01:11:15,350 --> 01:11:12,719
week to settle back down into its

1763
01:11:17,750 --> 01:11:15,360

original resting place having completely

1764

01:11:19,350 --> 01:11:17,760

decimated and resurfaced the globe in

1765

01:11:21,350 --> 01:11:19,360

the process

1766

01:11:23,510 --> 01:11:21,360

the book makes other eyebrow raising

1767

01:11:25,270 --> 01:11:23,520

claims which run the gamut from an

1768

01:11:26,870 --> 01:11:25,280

argument that the book of genesis

1769

01:11:29,110 --> 01:11:26,880

doesn't describe the creation of the

1770

01:11:31,110 --> 01:11:29,120

planet but rather the seven days that it

1771

01:11:32,950 --> 01:11:31,120

took for the oceans to stop sloshing

1772

01:11:34,550 --> 01:11:32,960

around in the skies to clear after the

1773

01:11:36,790 --> 01:11:34,560

last cataclysm

1774

01:11:39,430 --> 01:11:36,800

to the idea that jesus spent the missing

1775

01:11:40,950 --> 01:11:39,440

years of his early life in india

1776

01:11:42,790 --> 01:11:40,960

i really don't know what to make of any

1777

01:11:44,630 --> 01:11:42,800

of this but it does raise some

1778

01:11:45,830 --> 01:11:44,640

interesting questions

1779

01:11:48,149 --> 01:11:45,840

first of all

1780

01:11:49,590 --> 01:11:48,159

why did the cia classify this book in

1781

01:11:51,750 --> 01:11:49,600

the first place

1782

01:11:53,590 --> 01:11:51,760

it's hard to know because they took out

1783

01:11:55,270 --> 01:11:53,600

all the parts that are still classified

1784

01:11:57,189 --> 01:11:55,280

and what we are left with are the parts

1785

01:11:59,350 --> 01:11:57,199

that we're allowed to read

1786

01:12:01,350 --> 01:11:59,360

but the general thrust of the book seems

1787

01:12:03,590 --> 01:12:01,360

to be focused on these recurring

1788

01:12:05,750 --> 01:12:03,600

geological cataclysms and their

1789

01:12:08,790 --> 01:12:05,760

historical and spiritual tie to the

1790

01:12:10,630 --> 01:12:08,800

history and development of humanity so

1791

01:12:13,669 --> 01:12:10,640

the missing pages are almost certainly

1792

01:12:16,550 --> 01:12:13,679

related to that idea in some way

1793

01:12:18,229 --> 01:12:16,560

but the thing is none of that is new

1794

01:12:20,870 --> 01:12:18,239

even back when the book was originally

1795

01:12:22,470 --> 01:12:20,880

supposed to be published in 1966 this

1796

01:12:24,950 --> 01:12:22,480

idea wasn't new

1797

01:12:27,750 --> 01:12:24,960

hagood's book earthshifting crust had

1798

01:12:30,149 --> 01:12:27,760

already been out for almost a decade

1799

01:12:31,669 --> 01:12:30,159

and in the decades since countless books

1800

01:12:33,430 --> 01:12:31,679

have been written putting forward

1801

01:12:35,350 --> 01:12:33,440

similar hypotheses

1802

01:12:38,470 --> 01:12:35,360

and none of those have been banned

1803

01:12:41,030 --> 01:12:38,480

so what was different about this book

1804

01:12:42,950 --> 01:12:41,040

second of all why was the cia even

1805

01:12:45,350 --> 01:12:42,960

paying attention to this

1806

01:12:47,350 --> 01:12:45,360

chan thomas was allegedly a former air

1807

01:12:49,590 --> 01:12:47,360

force employee but it's unclear at least

1808

01:12:51,430 --> 01:12:49,600

from my research what his job was but he

1809

01:12:52,950 --> 01:12:51,440

wasn't in the service

1810

01:12:55,030 --> 01:12:52,960

he had a degree in electrical

1811

01:12:57,030 --> 01:12:55,040

engineering from dartmouth but he spent

1812

01:12:59,350 --> 01:12:57,040

most of his career positioning himself

1813

01:13:02,310 --> 01:12:59,360

as the world's leading authority in the

1814

01:13:04,390 --> 01:13:02,320

field of cataclysmic geology and claimed

1815

01:13:05,750 --> 01:13:04,400

to have accurately predicted a number of

1816

01:13:07,910 --> 01:13:05,760

earthquakes

1817

01:13:10,229 --> 01:13:07,920

and most of his message seemed to be

1818

01:13:12,470 --> 01:13:10,239

apocalyptic focusing on the idea that

1819

01:13:15,350 --> 01:13:12,480

the last time this cataclysm supposedly

1820

01:13:17,350 --> 01:13:15,360

occurred was 6 500 years ago and that

1821

01:13:18,550 --> 01:13:17,360

were due for another one basically any

1822

01:13:19,990 --> 01:13:18,560

minute

1823

01:13:22,070 --> 01:13:20,000

but once again

1824

01:13:24,470 --> 01:13:22,080

none of this is new or different

1825

01:13:26,550 --> 01:13:24,480

each new decade brings a new crop of new

1826
01:13:28,310 --> 01:13:26,560
age prophets who come bearing overly

1827
01:13:30,709 --> 01:13:28,320
grandiose claims about their own

1828
01:13:33,270 --> 01:13:30,719
abilities and dire apocalyptic

1829
01:13:35,669 --> 01:13:33,280
predictions for the future of humanity

1830
01:13:37,590 --> 01:13:35,679
i mean no shade intended but that's like

1831
01:13:40,470 --> 01:13:37,600
half the shows on gaia

1832
01:13:43,270 --> 01:13:40,480
so once again why do they care about

1833
01:13:45,910 --> 01:13:43,280
this book and this author and why risk

1834
01:13:47,669 --> 01:13:45,920
legitimizing something by classifying it

1835
01:13:49,990 --> 01:13:47,679
when they could have just let it slowly

1836
01:13:52,310 --> 01:13:50,000
drift into obscurity collecting dust and

1837
01:13:54,550 --> 01:13:52,320
basements and used bookstores

1838
01:13:56,630 --> 01:13:54,560

why was this on their radar why pay

1839

01:13:58,870 --> 01:13:56,640

attention to it at all

1840

01:14:00,950 --> 01:13:58,880

i don't have those answers and i in no

1841

01:14:02,790 --> 01:14:00,960

way mean to suggest that this oddball

1842

01:14:05,350 --> 01:14:02,800

little book that was declassified by the

1843

01:14:07,510 --> 01:14:05,360

cia proves anything about either the

1844

01:14:09,590 --> 01:14:07,520

reality or the nature of cyclical

1845

01:14:11,830 --> 01:14:09,600

planet-wide cataclysms

1846

01:14:13,510 --> 01:14:11,840

after all that seems to be the bulk of

1847

01:14:15,510 --> 01:14:13,520

the parts that they left in the

1848

01:14:18,390 --> 01:14:15,520

declassified version

1849

01:14:21,110 --> 01:14:18,400

but it seems clear that the cia at least

1850

01:14:22,709 --> 01:14:21,120

in the 1960s saw this information as

1851
01:14:24,470 --> 01:14:22,719
potentially being a threat to our

1852
01:14:27,189 --> 01:14:24,480
national security

1853
01:14:28,870 --> 01:14:27,199
and that is interesting

1854
01:14:31,110 --> 01:14:28,880
but there's one more piece of evidence

1855
01:14:32,310 --> 01:14:31,120
that to be honest blew my mind

1856
01:14:34,550 --> 01:14:32,320
completely

1857
01:14:36,390 --> 01:14:34,560
so we know that megalithic structures

1858
01:14:37,830 --> 01:14:36,400
were almost always built in alignment

1859
01:14:39,990 --> 01:14:37,840
with the cardinal directions or

1860
01:14:41,350 --> 01:14:40,000
significant astronomical events like the

1861
01:14:43,430 --> 01:14:41,360
solstice

1862
01:14:45,270 --> 01:14:43,440
and in many places these alignments are

1863
01:14:47,110 --> 01:14:45,280

done with a level of precision that

1864

01:14:49,110 --> 01:14:47,120

humanity wouldn't be able to replicate

1865

01:14:51,830 --> 01:14:49,120

for thousands of years

1866

01:14:53,750 --> 01:14:51,840

but strangely this doesn't apply to all

1867

01:14:56,310 --> 01:14:53,760

megalithic structures

1868

01:14:59,350 --> 01:14:56,320

in certain places particularly in south

1869

01:15:01,270 --> 01:14:59,360

america mesoamerica and egypt the

1870

01:15:02,470 --> 01:15:01,280

alignments are slightly off at certain

1871

01:15:04,070 --> 01:15:02,480

sites

1872

01:15:06,070 --> 01:15:04,080

why would these alignments be so

1873

01:15:07,430 --> 01:15:06,080

important in some cases but not in

1874

01:15:09,910 --> 01:15:07,440

others

1875

01:15:13,110 --> 01:15:09,920

a study was done by author and scientist

1876

01:15:15,110 --> 01:15:13,120

mark j carlotto that looked at 200

1877

01:15:17,270 --> 01:15:15,120

megalithic sites around the world and

1878

01:15:19,110 --> 01:15:17,280

found that almost half of them couldn't

1879

01:15:20,870 --> 01:15:19,120

be explained in terms of traditional

1880

01:15:22,709 --> 01:15:20,880

alignments

1881

01:15:24,550 --> 01:15:22,719

but remember our old friend charles

1882

01:15:26,550 --> 01:15:24,560

hagood in his theory that the polls

1883

01:15:28,790 --> 01:15:26,560

shifted dramatically three times over

1884

01:15:30,709 --> 01:15:28,800

the past one hundred thousand years

1885

01:15:32,630 --> 01:15:30,719

carlotto hypothesized that the

1886

01:15:34,950 --> 01:15:32,640

alignments of these sites might

1887

01:15:36,790 --> 01:15:34,960

correspond to hagood's proposed poll

1888

01:15:39,270 --> 01:15:36,800

locations

1889

01:15:40,870 --> 01:15:39,280

taking the group of unexplained sites he

1890

01:15:42,790 --> 01:15:40,880

developed an algorithm that would

1891

01:15:44,870 --> 01:15:42,800

generate a best fit model for the

1892

01:15:45,669 --> 01:15:44,880

locations of the poles they were aligned

1893

01:15:49,669 --> 01:15:45,679

to

1894

01:15:51,669 --> 01:15:49,679

what hapgood proposed

1895

01:15:53,750 --> 01:15:51,679

both hapgood and carlotto predicted that

1896

01:15:55,990 --> 01:15:53,760

the most recent poll before our current

1897

01:15:58,709 --> 01:15:56,000

one was in the hudson bay and they're

1898

01:16:00,709 --> 01:15:58,719

only 200 miles apart from each other

1899

01:16:02,790 --> 01:16:00,719

carlotto's model predicted a pole in

1900

01:16:05,110 --> 01:16:02,800

greenland that was immediately preceded

1901

01:16:08,229 --> 01:16:05,120

by a pole in the norwegian sea and

1902

01:16:10,630 --> 01:16:08,239

haggood's iceland norway pole is 1250

1903

01:16:12,310 --> 01:16:10,640

miles away from the former and 300 miles

1904

01:16:14,870 --> 01:16:12,320

away from the ladder

1905

01:16:17,110 --> 01:16:14,880

and finally carlotto predicted a pole in

1906

01:16:19,910 --> 01:16:17,120

the bering strait that is about 1500

1907

01:16:22,950 --> 01:16:19,920

miles from haggood's pole in the yukon

1908

01:16:25,110 --> 01:16:22,960

it's not exact but it's pretty close

1909

01:16:27,110 --> 01:16:25,120

so if we take for granted for a moment

1910

01:16:29,189 --> 01:16:27,120

that carlotto is correct and that the

1911

01:16:31,590 --> 01:16:29,199

alignment of these megalithic structures

1912

01:16:32,630 --> 01:16:31,600

confirms haggood's polls and his general

1913

01:16:35,270 --> 01:16:32,640

thesis

1914

01:16:37,350 --> 01:16:35,280

then we are able to attach a general

1915

01:16:39,669 --> 01:16:37,360

time period to the structures that are

1916

01:16:41,189 --> 01:16:39,679

aligned to each of these poles

1917

01:16:43,189 --> 01:16:41,199

and when we do this

1918

01:16:45,350 --> 01:16:43,199

what do we find

1919

01:16:47,189 --> 01:16:45,360

well not surprisingly we find that the

1920

01:16:49,270 --> 01:16:47,199

majority of the megalithic sites on the

1921

01:16:51,110 --> 01:16:49,280

planet aligned to our current poll

1922

01:16:53,350 --> 01:16:51,120

including the pyramids of giza and the

1923

01:16:54,470 --> 01:16:53,360

delphi amphitheater in greece

1924

01:16:58,310 --> 01:16:54,480

however

1925

01:17:01,350 --> 01:16:58,320

certain sites such as pumapunku tiuanaku

1926

01:17:04,470 --> 01:17:01,360

balbeck the western wall in jerusalem

1927

01:17:06,950 --> 01:17:04,480

and tinociclan in mexico are aligned to

1928

01:17:09,110 --> 01:17:06,960

the greenland pole which according to

1929

01:17:12,470 --> 01:17:09,120

hagood's climate data would make them

1930

01:17:15,110 --> 01:17:12,480

at least 50 000 years old or around the

1931

01:17:17,750 --> 01:17:15,120

same age as the sunken city in cuba

1932

01:17:20,310 --> 01:17:17,760

and shockingly there are a number of

1933

01:17:22,390 --> 01:17:20,320

sites that align to the bering sea pole

1934

01:17:24,630 --> 01:17:22,400

and interestingly a disproportionate

1935

01:17:26,550 --> 01:17:24,640

amount of those sites are in peru

1936

01:17:28,470 --> 01:17:26,560

and among them are the sites whose

1937

01:17:30,950 --> 01:17:28,480

foundations of massively cut and

1938

01:17:33,430 --> 01:17:30,960

precisely placed megaliths we discussed

1939

01:17:35,430 --> 01:17:33,440

earlier that were built upon again and

1940

01:17:37,350 --> 01:17:35,440

again without ever coming close to

1941

01:17:40,390 --> 01:17:37,360

matching their former glory

1942

01:17:43,110 --> 01:17:40,400

including cory kancha and the temple of

1943

01:17:45,110 --> 01:17:43,120

the three windows at machu picchu

1944

01:17:47,189 --> 01:17:45,120

and these sites which feature some of

1945

01:17:48,310 --> 01:17:47,199

the most precisely cut megaliths known

1946

01:17:50,550 --> 01:17:48,320

to us

1947

01:17:52,790 --> 01:17:50,560

may also be the oldest

1948

01:17:53,830 --> 01:17:52,800

if hapgood and carlotta's hypotheses are

1949

01:17:57,430 --> 01:17:53,840

correct

1950

01:17:58,790 --> 01:17:57,440

these sites would be at least 100 000

1951

01:18:00,950 --> 01:17:58,800

years old

1952

01:18:03,189 --> 01:18:00,960

now listen i find the fact that both

1953

01:18:05,669 --> 01:18:03,199

happgood's climate data and the alignment

1954

01:18:07,750 --> 01:18:05,679

of anomalous megalithic sites both point

1955

01:18:10,149 --> 01:18:07,760

to the same general locations for these

1956

01:18:12,950 --> 01:18:10,159

alternate pole sites to be pretty damn

1957

01:18:15,590 --> 01:18:12,960

compelling however i'm not sure that i'm

1958

01:18:17,350 --> 01:18:15,600

100 willing to accept them

1959

01:18:19,270 --> 01:18:17,360

it's clear that we've undershot the dawn

1960

01:18:20,149 --> 01:18:19,280

of human civilization by a few thousand

1961

01:18:24,310 --> 01:18:20,159

years

1962

01:18:25,590 --> 01:18:24,320

presents a whole new set of problems and

1963

01:18:28,310 --> 01:18:25,600

mysteries

1964

01:18:30,149 --> 01:18:28,320

first of all as far as we know there

1965

01:18:32,550 --> 01:18:30,159

shouldn't even have been humans in the

1966

01:18:34,550 --> 01:18:32,560

americas a hundred thousand years ago

1967

01:18:36,630 --> 01:18:34,560

it was previously estimated that humans

1968

01:18:38,390 --> 01:18:36,640

first arrived in north america around

1969

01:18:40,790 --> 01:18:38,400

fifteen thousand to twenty thousand

1970

01:18:42,709 --> 01:18:40,800

years ago by crossing a land bridge in

1971

01:18:45,910 --> 01:18:42,719

the spot where the bearing straight is

1972

01:18:47,830 --> 01:18:45,920

now between modern day russia and alaska

1973

01:18:50,390 --> 01:18:47,840

and although recent findings have pushed

1974

01:18:52,790 --> 01:18:50,400

that date back to 30 000 years

1975

01:18:54,550 --> 01:18:52,800

there's still a 70 000 year gap to

1976

01:18:55,990 --> 01:18:54,560

account for

1977

01:18:57,990 --> 01:18:56,000

and it's not just the timeline that

1978

01:18:59,350 --> 01:18:58,000

presents an issue there's also the

1979

01:19:01,270 --> 01:18:59,360

location

1980

01:19:03,110 --> 01:19:01,280

there are few places in the americas

1981

01:19:05,189 --> 01:19:03,120

that you could go that would be further

1982

01:19:07,430 --> 01:19:05,199

than peru is from the bering strait and

1983

01:19:10,229 --> 01:19:07,440

still be in the americas

1984

01:19:12,070 --> 01:19:10,239

so if somehow there was a human

1985

01:19:15,189 --> 01:19:12,080

civilization in peru a hundred thousand

1986

01:19:17,270 --> 01:19:15,199

years ago it calls that entire migration

1987

01:19:19,910 --> 01:19:17,280

story where they started in the north

1988

01:19:22,550 --> 01:19:19,920

and moved to the south into question

1989

01:19:25,110 --> 01:19:22,560

but if our human ancestors didn't walk

1990

01:19:26,390 --> 01:19:25,120

across the land bridge to america

1991

01:19:28,550 --> 01:19:26,400

how would they have gotten to south

1992

01:19:30,390 --> 01:19:28,560

america in the first place

1993

01:19:33,350 --> 01:19:30,400

by boat seems like the most obvious

1994

01:19:35,110 --> 01:19:33,360

answer until you consider just how vast

1995

01:19:37,590 --> 01:19:35,120

the pacific ocean is

1996

01:19:40,709 --> 01:19:37,600

the distance from peru to australia is

1997

01:19:42,870 --> 01:19:40,719

15 000 miles or more than half of the

1998

01:19:44,709 --> 01:19:42,880

circumference of the earth

1999

01:19:46,709 --> 01:19:44,719

to say that would be surprising would be

2000

01:19:48,229 --> 01:19:46,719

a massive understatement

2001
01:19:50,229 --> 01:19:48,239
and it wouldn't just throw the story of

2002
01:19:52,870 --> 01:19:50,239
how humans came to the americas into

2003
01:19:54,950 --> 01:19:52,880
question but also everything we think we

2004
01:19:57,189 --> 01:19:54,960
know about the migration of anatomically

2005
01:19:58,709 --> 01:19:57,199
modern humans out of africa and across

2006
01:20:00,709 --> 01:19:58,719
the continents

2007
01:20:02,870 --> 01:20:00,719
and even if we were somehow able to

2008
01:20:05,590 --> 01:20:02,880
gather enough evidence to justify that

2009
01:20:07,350 --> 01:20:05,600
dramatic rewrite of human history we're

2010
01:20:09,510 --> 01:20:07,360
still left with the most glaring and

2011
01:20:11,990 --> 01:20:09,520
inescapable problem

2012
01:20:14,149 --> 01:20:12,000
how would a high civilization capable of

2013
01:20:16,629 --> 01:20:14,159

the astounding mechalithic stonework

2014

01:20:19,590 --> 01:20:16,639

that we see at these sites in peru

2015

01:20:21,669 --> 01:20:19,600

possibly have arisen 40 000 years before

2016

01:20:22,550 --> 01:20:21,679

the earliest cave paintings that we've

2017

01:20:24,470 --> 01:20:22,560

found

2018

01:20:27,030 --> 01:20:24,480

it just doesn't make sense

2019

01:20:30,149 --> 01:20:27,040

it's simply not possible

2020

01:20:32,390 --> 01:20:30,159

what if it wasn't a human civilization

2021

01:20:33,669 --> 01:20:32,400

it's a wild thought but it isn't a crazy

2022

01:20:35,669 --> 01:20:33,679

one

2023

01:20:38,149 --> 01:20:35,679

the admission by the pentagon the

2024

01:20:40,070 --> 01:20:38,159

declassified videos the rising

2025

01:20:42,229 --> 01:20:40,080

bipartisan demand from congress that

2026

01:20:44,070 --> 01:20:42,239

they be given access to data surrounding

2027

01:20:45,590 --> 01:20:44,080

what is clearly a credible national

2028

01:20:47,510 --> 01:20:45,600

security threat

2029

01:20:49,189 --> 01:20:47,520

tom delong's high-level government

2030

01:20:51,750 --> 01:20:49,199

advisors that were confirmed by the

2031

01:20:53,750 --> 01:20:51,760

wikileaks podesta emails and the growing

2032

01:20:56,310 --> 01:20:53,760

number of highly credible people from

2033

01:20:59,110 --> 01:20:56,320

our military and intelligence agencies

2034

01:21:01,430 --> 01:20:59,120

as well as private aerospace companies

2035

01:21:04,470 --> 01:21:01,440

that are coming forward to say that the

2036

01:21:06,310 --> 01:21:04,480

ufo phenomenon is real and we need to

2037

01:21:08,790 --> 01:21:06,320

take it seriously

2038

01:21:10,629 --> 01:21:08,800

all of these things point to one

2039

01:21:12,629 --> 01:21:10,639

stunning conclusion

2040

01:21:15,590 --> 01:21:12,639

that there is a highly advanced

2041

01:21:16,950 --> 01:21:15,600

non-human presence on this planet right

2042

01:21:19,110 --> 01:21:16,960

now

2043

01:21:21,350 --> 01:21:19,120

and that profound and at this point

2044

01:21:23,830 --> 01:21:21,360

entirely unavoidable fact

2045

01:21:26,229 --> 01:21:23,840

means that it is entirely likely that

2046

01:21:27,910 --> 01:21:26,239

it's happened in the past as well

2047

01:21:30,470 --> 01:21:27,920

and we should be willing to at least

2048

01:21:33,830 --> 01:21:30,480

consider what that might mean for the

2049

01:21:36,310 --> 01:21:33,840

story of humanity on this planet

2050

01:21:37,910 --> 01:21:36,320

you know or not

2051

01:21:39,669 --> 01:21:37,920

all of this is very fun and very

2052

01:21:41,189 --> 01:21:39,679

interesting to talk about and i haven't

2053

01:21:43,270 --> 01:21:41,199

made a secret of the fact that i find

2054

01:21:45,270 --> 01:21:43,280

the evidence to be quite compelling

2055

01:21:47,669 --> 01:21:45,280

but if you still aren't convinced that's

2056

01:21:49,669 --> 01:21:47,679

totally fine i respect that

2057

01:21:51,590 --> 01:21:49,679

but the good news is that even if these

2058

01:21:53,669 --> 01:21:51,600

arguments for non-human intervention and

2059

01:21:54,470 --> 01:21:53,679

humanity's distant past have not swayed

2060

01:21:56,470 --> 01:21:54,480

you

2061

01:21:58,550 --> 01:21:56,480

our time here was still not wasted

2062

01:22:01,270 --> 01:21:58,560

we'll actually need all of this to help

2063

01:22:03,030 --> 01:22:01,280

lay the foundation for what's to come

2064

01:22:05,590 --> 01:22:03,040

what these last three episodes have

2065

01:22:07,350 --> 01:22:05,600

given you is the basic skeleton of the

2066

01:22:09,189 --> 01:22:07,360

esoteric tradition

2067

01:22:11,669 --> 01:22:09,199

so what do i mean by that

2068

01:22:14,149 --> 01:22:11,679

according to the google ancient esoteric

2069

01:22:15,990 --> 01:22:14,159

tradition is a modern scholarly term

2070

01:22:17,669 --> 01:22:16,000

useful for designating currents in

2071

01:22:20,070 --> 01:22:17,679

hellenistic and late antique

2072

01:22:21,910 --> 01:22:20,080

mediterranean culture that are concerned

2073

01:22:24,310 --> 01:22:21,920

with the mediation of some kind of

2074

01:22:27,110 --> 01:22:24,320

absolute knowledge via a dialectic of

2075

01:22:29,030 --> 01:22:27,120

secrecy concealment and revelation

2076

01:22:30,790 --> 01:22:29,040

in more straightforward terms

2077

01:22:33,350 --> 01:22:30,800

there is a collection of beliefs that we

2078

01:22:35,510 --> 01:22:33,360

tend to categorize as the occult that

2079

01:22:37,910 --> 01:22:35,520

are rooted in the belief in some kind of

2080

01:22:39,830 --> 01:22:37,920

an ancient knowledge and ultimate truth

2081

01:22:42,310 --> 01:22:39,840

that was entrusted to a select group of

2082

01:22:44,310 --> 01:22:42,320

scholars and intellectuals

2083

01:22:46,470 --> 01:22:44,320

the ancient egyptians and then later the

2084

01:22:48,310 --> 01:22:46,480

greeks and the romans referred to these

2085

01:22:50,310 --> 01:22:48,320

as the mystery schools and their

2086

01:22:52,070 --> 01:22:50,320

initiates include some of the greatest

2087

01:22:55,030 --> 01:22:52,080

thinkers of the ancient world like

2088

01:22:57,030 --> 01:22:55,040

aristotle socrates and plato

2089

01:22:59,590 --> 01:22:57,040

in our modern day world we have the

2090

01:23:01,510 --> 01:22:59,600

freemasons and other secretive societies

2091

01:23:02,790 --> 01:23:01,520

that are the direct descendants of this

2092

01:23:05,510 --> 01:23:02,800

tradition

2093

01:23:07,350 --> 01:23:05,520

so you don't need to believe any of this

2094

01:23:09,669 --> 01:23:07,360

the mysterious origins of human

2095

01:23:11,430 --> 01:23:09,679

civilization guidance and revelation

2096

01:23:13,350 --> 01:23:11,440

from the gods or some other non-human

2097

01:23:15,030 --> 01:23:13,360

intelligence or the idea that our

2098

01:23:16,790 --> 01:23:15,040

ancestors had exposure to highly

2099

01:23:18,470 --> 01:23:16,800

advanced ideas and technologies in our

2100

01:23:20,550 --> 01:23:18,480

distant past

2101

01:23:22,149 --> 01:23:20,560

but you do need to understand that

2102

01:23:24,790 --> 01:23:22,159

throughout the last several thousand

2103

01:23:27,030 --> 01:23:24,800

years there have been many people who do

2104

01:23:28,390 --> 01:23:27,040

believe something along those lines

2105

01:23:30,390 --> 01:23:28,400

and the search for that ancient

2106

01:23:32,070 --> 01:23:30,400

knowledge has been the driving force

2107

01:23:34,070 --> 01:23:32,080

behind some of the most significant

2108

01:23:37,350 --> 01:23:34,080

events in human history from the

2109

01:23:39,750 --> 01:23:37,360

crusades to our exploration of space

2110

01:23:42,070 --> 01:23:39,760

so that's where we'll pick up next time

2111

01:23:44,310 --> 01:23:42,080

with the story of how a renewed interest

2112

01:23:46,550 --> 01:23:44,320

in these ancient mysteries led to a

2113

01:23:48,470 --> 01:23:46,560

pagan spiritual awakening in germany in

2114

01:23:50,950 --> 01:23:48,480

the early 20th century

2115

01:23:53,110 --> 01:23:50,960

and subsequently to two of the most

2116

01:23:56,229 --> 01:23:53,120

important events not just of the last

2117

01:23:58,550 --> 01:23:56,239

century but in all of human history

2118

01:23:59,669 --> 01:23:58,560

the rise of nazi germany and the moon

2119

01:24:01,340 --> 01:23:59,679

landing

2120

01:24:07,110 --> 01:24:01,350

i'll see you then