

NOVEMBER 7, 2018

7 PM PT / 10 PM ET LIVE BROADCAST

RANDALL CARLSON
SPECIAL GUEST

Ep. 947
F2B
WITH JIMMY CHURCH



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1
00:00:16,900 --> 00:00:12,990

[Music]

2
00:00:20,170 --> 00:00:16,910

this hope radio for the masses Atlanta

3
00:00:21,850 --> 00:00:20,180

balloon dramatically 1947 here on the

4
00:00:24,130 --> 00:00:21,860

airport who has announced that applying

5
00:00:26,740 --> 00:00:24,140

there has been found and is now in the

6
00:00:30,970 --> 00:00:26,750

possession of the RA the game is rigged

7
00:00:33,819 --> 00:00:30,980

change the game changer I occasionally

8
00:00:37,540 --> 00:00:33,829

think how quickly our differences

9
00:00:45,479 --> 00:00:37,550

worldwide would vanish if we were facing

10
00:00:51,209 --> 00:00:48,240

this is fade to black with your host

11
00:00:58,210 --> 00:00:51,219

Jimmy Church on the game changer radio

12
00:01:03,400 --> 00:01:00,160

I need your help to get to the year

13
00:01:10,750 --> 00:01:07,540

[Music]

14

00:01:12,150 --> 00:01:10,760

- black with Jimmy judge on the game

15

00:01:16,980 --> 00:01:12,160

changing Network

16

00:01:24,130 --> 00:01:16,990

[Music]

17

00:01:26,500 --> 00:01:24,140

good evening they'd apply

18

00:01:29,149 --> 00:01:26,510

[Music]

19

00:01:32,720 --> 00:01:29,159

with spoke radio

20

00:01:45,880 --> 00:01:39,810

masses yeah man today's Wednesday

21

00:01:53,770 --> 00:01:50,450

314 days into the new year Jeff it

22

00:01:56,719 --> 00:01:53,780

one day's left we are live from a bunker

23

00:01:57,840 --> 00:01:56,729

somewhere in the middle of beautiful

24

00:01:59,550 --> 00:01:57,850

down

25

00:02:01,050 --> 00:01:59,560

bang California and I would like to

26
00:02:05,870 --> 00:02:01,060
welcome everybody listening all around

27
00:02:09,889 --> 00:02:05,880
the world all across the United States

28
00:02:12,289 --> 00:02:09,899
hither and thither to and fro

29
00:02:15,110 --> 00:02:12,299
back and forth up and down east and west

30
00:02:18,380 --> 00:02:15,120
north and south far and near

31
00:02:20,690 --> 00:02:18,390
this is fade to black for kjc are the

32
00:02:24,949 --> 00:02:20,700
game changer Network and Katie RA the

33
00:02:27,410 --> 00:02:24,959
planet I am your host Amy Church what is

34
00:02:34,460 --> 00:02:27,420
crack and everybody how you doing

35
00:02:38,080 --> 00:02:34,470
[Music]

36
00:02:43,809 --> 00:02:38,090
oh man oh man oh man

37
00:02:48,520 --> 00:02:43,819
here we go tonight's very special guest

38
00:02:52,780 --> 00:02:48,530

Randall Carlson is here calling this

39

00:02:54,820 --> 00:02:52,790

show in that conversation there is

40

00:02:59,020 --> 00:02:54,830

nothing like sitting down with somebody

41

00:03:01,839 --> 00:02:59,030

like Randall Carlson and and engaging

42

00:03:03,910 --> 00:03:01,849

for two or three hours and that's what

43

00:03:06,039 --> 00:03:03,920

we're gonna do here tonight so much to

44

00:03:08,559 --> 00:03:06,049

discuss with them especially coming off

45

00:03:10,720 --> 00:03:08,569

of a great show that we did with ed

46

00:03:14,199 --> 00:03:10,730

Nightingale right and so we're gonna

47

00:03:18,190 --> 00:03:14,209

dovetail these two together and it is so

48

00:03:20,039 --> 00:03:18,200

important to figure out you know I'm

49

00:03:26,850 --> 00:03:20,049

gonna lay it out to you like this okay

50

00:03:31,900 --> 00:03:26,860

it's like this what is the purpose of

51
00:03:35,800 --> 00:03:31,910
human of being alive if we are not able

52
00:03:39,190 --> 00:03:35,810
to ask questions about where we came

53
00:03:42,520 --> 00:03:39,200
from why are we here and where are we

54
00:03:45,280 --> 00:03:42,530
going that you know the three basic

55
00:03:47,500 --> 00:03:45,290
questions and you kind of acquit you

56
00:03:49,059 --> 00:03:47,510
know it's just like well you know why

57
00:03:51,870 --> 00:03:49,069
there are people out there that you know

58
00:03:56,020 --> 00:03:51,880
you know why what what do you mean why

59
00:03:59,670 --> 00:03:56,030
you know there are when you do the

60
00:04:01,780 --> 00:03:59,680
research of maybe you're you know

61
00:04:06,699 --> 00:04:01,790
anthropologist right you're some kind of

62
00:04:10,659 --> 00:04:06,709
historian or you are an astronomer right

63
00:04:13,120 --> 00:04:10,669

and and you are looking at the Stars and

64

00:04:15,960 --> 00:04:13,130

you know looking at you know our future

65

00:04:19,900 --> 00:04:15,970

and our past through the stars right or

66

00:04:21,759 --> 00:04:19,910

you're out digging in you know and

67

00:04:25,330 --> 00:04:21,769

looking at bones in our past or your

68

00:04:27,580 --> 00:04:25,340

geologists near these things aren't

69

00:04:29,469 --> 00:04:27,590

profitable you're not making money for

70

00:04:32,469 --> 00:04:29,479

some corporation there isn't products

71

00:04:33,850 --> 00:04:32,479

that you are selling you know and so

72

00:04:35,260 --> 00:04:33,860

there are those out there that would say

73

00:04:39,700 --> 00:04:35,270

you know why well you know what support

74

00:04:41,230 --> 00:04:39,710

wealthy if we can't ask these important

75

00:04:43,529 --> 00:04:41,240

questions and figure things out then

76

00:04:47,230 --> 00:04:43,539

what's the purpose of even being alive

77

00:04:51,730 --> 00:04:47,240

right what what is it it's like going

78

00:04:53,860 --> 00:04:51,740

back and looking at you know you go

79

00:04:59,170 --> 00:04:53,870

to Picasso and he's painting and you're

80

00:05:01,180 --> 00:04:59,180

like dude 1 you know why why are you

81

00:05:05,589 --> 00:05:01,190

painting that why are you sculpting that

82

00:05:08,409 --> 00:05:05,599

why you do it's part of being human you

83

00:05:11,589 --> 00:05:08,419

know and who we are you know and and

84

00:05:14,800 --> 00:05:11,599

having Randall on to discuss these

85

00:05:18,129 --> 00:05:14,810

Victor I want to know I want to know

86

00:05:20,409 --> 00:05:18,139

these answers you know and that's what I

87

00:05:23,080 --> 00:05:20,419

am going to do tonight I get to sit down

88

00:05:26,230 --> 00:05:23,090

with the great Randall Carlson and have

89

00:05:29,050 --> 00:05:26,240

a conversation it's an amazing thing to

90

00:05:31,480 --> 00:05:29,060

be able to do and that's part of being

91

00:05:34,180 --> 00:05:31,490

human we answer those questions we

92

00:05:37,180 --> 00:05:34,190

figure things out we ask those questions

93

00:05:38,950 --> 00:05:37,190

and take things a step further that's

94

00:05:40,570 --> 00:05:38,960

what we do and that's what fade to black

95

00:05:42,820 --> 00:05:40,580

is all about that's what this community

96

00:05:44,830 --> 00:05:42,830

is all about tomorrow night is another

97

00:05:47,890 --> 00:05:44,840

Fator night open lines all night long

98

00:05:51,189 --> 00:05:47,900

with the premiere of Teresa generis

99

00:05:53,170 --> 00:05:51,199

tomorrow night spent my day I'm very

100

00:05:56,409 --> 00:05:53,180

excited about this spent my day today

101
00:06:00,209 --> 00:05:56,419
you can see my t-shirt right tascam like

102
00:06:03,879 --> 00:06:00,219
that reel-to-reel spent my day today

103
00:06:05,499 --> 00:06:03,889
tascam sent us a bunch of a production

104
00:06:07,930 --> 00:06:05,509
gear here I mentioned it the other day

105
00:06:10,540 --> 00:06:07,940
spent my day getting that worked out

106
00:06:12,610 --> 00:06:10,550
which by the way it's not running it

107
00:06:15,249 --> 00:06:12,620
will be tomorrow you should see what

108
00:06:17,260 --> 00:06:15,259
they they have sent it you know I mean

109
00:06:20,020 --> 00:06:17,270
look at look at this remote control look

110
00:06:24,129 --> 00:06:20,030
at that can I can I get this up in here

111
00:06:27,520 --> 00:06:24,139
for the camera look at that pretty nice

112
00:06:31,719 --> 00:06:27,530
huh it's not working well it's working I

113
00:06:34,390 --> 00:06:31,729

just so anyway that and getting Teresa's

114

00:06:36,909 --> 00:06:34,400

new studio set up and it was just a

115

00:06:39,490 --> 00:06:36,919

crazy day or honey you're just a crazy

116

00:06:42,879 --> 00:06:39,500

day and when you spend four or five six

117

00:06:44,709 --> 00:06:42,889

hours you know installing things and and

118

00:06:47,350 --> 00:06:44,719

hardware and software and cables and

119

00:06:49,420 --> 00:06:47,360

then you know and I've got Teresa on the

120

00:06:53,260 --> 00:06:49,430

phone and getting her set up and she's

121

00:06:55,930 --> 00:06:53,270

she's a couple of states away and and

122

00:06:57,399 --> 00:06:55,940

meanwhile coming back and and trying to

123

00:07:01,330 --> 00:06:57,409

work on the show and get all of this set

124

00:07:03,909 --> 00:07:01,340

up - it's just just a crazy frazzled day

125

00:07:07,150 --> 00:07:03,919

just a crazy day so anyway I didn't I

126

00:07:08,920 --> 00:07:07,160

didn't spend I spent literally five

127

00:07:11,370 --> 00:07:08,930

minutes today on social media

128

00:07:13,990 --> 00:07:11,380

five minutes in little two minute

129

00:07:16,930 --> 00:07:14,000

increments and I'm gonna talk about that

130

00:07:19,480 --> 00:07:16,940

in just a minute on stellar on stellar

131

00:07:22,210 --> 00:07:19,490

calm you know what to do go and follow

132

00:07:24,520 --> 00:07:22,220

like and subscribe to Twitter at a

133

00:07:26,500 --> 00:07:24,530

church radio Facebook YouTube step out

134

00:07:31,290 --> 00:07:26,510

of line you get blocked that's what you

135

00:07:35,260 --> 00:07:34,690

just don't do negative people you think

136

00:07:38,710 --> 00:07:35,270

I do

137

00:07:42,250 --> 00:07:38,720

I really don't and the sandbox is

138

00:07:43,510 --> 00:07:42,260

hashtag F to be on Twitter and if you

139

00:07:44,170 --> 00:07:43,520

have any questions or comments during

140

00:07:49,300 --> 00:07:44,180

the show tonight

141

00:07:51,730 --> 00:07:49,310

hashtag F to be Q alright Jimmy check

142

00:07:55,090 --> 00:07:51,740

out this awesome remote control also it

143

00:08:00,540 --> 00:07:55,100

doesn't work I know right I mean look at

144

00:08:04,480 --> 00:08:00,550

this color screen soft buttons it's good

145

00:08:06,820 --> 00:08:04,490

look at that right hold on let me get

146

00:08:16,860 --> 00:08:06,830

this look at that that's a remote

147

00:08:19,360 --> 00:08:16,870

control man doesn't work will tomorrow

148

00:08:21,129 --> 00:08:19,370

tomorrow I promise and it's what it does

149

00:08:22,990 --> 00:08:21,139

I mean it's a very important piece of

150

00:08:25,330 --> 00:08:23,000

gear it's controlling something else

151
00:08:27,700 --> 00:08:25,340
down here in the rack I can't you know

152
00:08:29,620 --> 00:08:27,710
that that was installed too as well and

153
00:08:30,520 --> 00:08:29,630
everything's powered up it's all cabled

154
00:08:32,769 --> 00:08:30,530
up it's all there

155
00:08:34,570 --> 00:08:32,779
okay it'll be tomorrow and then I'll

156
00:08:37,420 --> 00:08:34,580
tell you what it's doing it's really

157
00:08:40,510 --> 00:08:37,430
really cool you can email Jimmy at Jimmy

158
00:08:43,600 --> 00:08:40,520
Church radio calm and I do want to thank

159
00:08:45,460 --> 00:08:43,610
tascam for the cool t-shirts and we'll

160
00:08:47,890 --> 00:08:45,470
be shooting videos and stuff for them

161
00:08:51,510 --> 00:08:47,900
with all of this new gear on and how it

162
00:08:57,430 --> 00:08:54,340
alright alright don't forget to

163
00:09:00,519 --> 00:08:57,440

subscribe to our podcast it is just two

164

00:09:02,110 --> 00:09:00,529

dollars per month and I click on the

165

00:09:04,000 --> 00:09:02,120

podcast banner over to Jimmy turret

166

00:09:06,100 --> 00:09:04,010

radio.com help support the show alright

167

00:09:07,720 --> 00:09:06,110

also become a fader not in our

168

00:09:10,870 --> 00:09:07,730

membership section over at Jimmy Choo

169

00:09:13,990 --> 00:09:10,880

radio comm you do what you want just go

170

00:09:14,600 --> 00:09:14,000

become a member and we will be launching

171

00:09:18,199 --> 00:09:14,610

the

172

00:09:19,790 --> 00:09:18,209

website next month will be December 31st

173

00:09:22,699 --> 00:09:19,800

we're gonna do it on January 1st

174

00:09:25,880 --> 00:09:22,709

December 31st were gonna be partying

175

00:09:28,850 --> 00:09:25,890

that would be New Year's Eve but Tuesday

176

00:09:31,340 --> 00:09:28,860

I think New Year's Day is on a Tuesday

177

00:09:34,490 --> 00:09:31,350

this year so yeah don't look for a show

178

00:09:38,050 --> 00:09:34,500

from us on that Monday let's get this

179

00:09:42,699 --> 00:09:38,060

show crackin happy birthday to today

180

00:09:44,870 --> 00:09:42,709

Joni Mitchell Joni Mitchell today is

181

00:09:49,759 --> 00:09:44,880

seventy-five years old our dead guys

182

00:09:53,600 --> 00:09:49,769

birthday today dana plato 1964 to 1999

183

00:09:57,370 --> 00:09:53,610

died at the age of 34 of course he was a

184

00:10:05,269 --> 00:09:57,380

teen star on TVs Diff'rent Strokes from

185

00:10:08,150 --> 00:10:05,279

1978 to 1986 and on May 7th 1999 the day

186

00:10:12,079 --> 00:10:08,160

before she died she appeared on the

187

00:10:15,050 --> 00:10:12,089

Howard Stern Show ok did an interview it

188

00:10:16,880 --> 00:10:15,060

was the next day driving back to

189

00:10:20,960 --> 00:10:16,890

California there in the Winnebago

190

00:10:24,860 --> 00:10:20,970

now they pull over visit somebody family

191

00:10:27,590 --> 00:10:24,870

member and she went to lie down inside

192

00:10:30,290 --> 00:10:27,600

of that Winnebago take a nap and then

193

00:10:34,130 --> 00:10:30,300

she died of an overdose her death was

194

00:10:36,319 --> 00:10:34,140

eventually ruled a suicide crazy too

195

00:10:40,069 --> 00:10:36,329

because we all watched Diff'rent Strokes

196

00:10:43,240 --> 00:10:40,079

right we did we all watched it and she

197

00:10:46,550 --> 00:10:43,250

died and committed suicide on May 8th

198

00:10:51,069 --> 00:10:46,560

1999 happy birthday dana plato on this

199

00:10:53,900 --> 00:10:51,079

day in history OTD 1991 Magic Johnson

200

00:10:56,710 --> 00:10:53,910

stuns the world by announcing his sudden

201
00:11:00,439 --> 00:10:56,720
retirement for the Los Angeles Lakers

202
00:11:03,980 --> 00:11:00,449
after testing positive for HIV all right

203
00:11:06,079 --> 00:11:03,990
here's a fader fact for you it's a it's

204
00:11:08,949 --> 00:11:06,089
it's an easy one to figure out but it's

205
00:11:14,329 --> 00:11:08,959
kind of shocking to right are you ready

206
00:11:18,380 --> 00:11:14,339
earth is the only planet that is not

207
00:11:23,330 --> 00:11:18,390
named after a god that's right

208
00:11:28,670 --> 00:11:26,120
where am i what am i doing oh yeah

209
00:11:30,530 --> 00:11:28,680
Randall Carlson is here it's gonna be

210
00:11:32,600 --> 00:11:30,540
here for the duration of the night we're

211
00:11:35,750 --> 00:11:32,610
gonna do a full conversation about

212
00:11:38,270 --> 00:11:35,760
everything about us who we are where we

213
00:11:41,180 --> 00:11:38,280

came from who was here before us and

214

00:11:43,850 --> 00:11:41,190

where are we going all of that tonight

215

00:11:45,320 --> 00:11:43,860

with the one and only Randall Carlson I

216

00:11:47,120 --> 00:11:45,330

want to remind everybody tomorrow night

217

00:11:49,220 --> 00:11:47,130

is another Fator night open lines all

218

00:11:51,320 --> 00:11:49,230

night long with the premiere of Teresa

219

00:11:54,530 --> 00:11:51,330

and eros she's gonna be here hopefully

220

00:11:59,450 --> 00:11:54,540

her studio her new one is going to be up

221

00:12:08,360 --> 00:11:59,460

and running all right now we're gonna

222

00:12:14,600 --> 00:12:08,370

have a conversation all of you love my

223

00:12:16,400 --> 00:12:14,610

River moon coffee I started to warm up

224

00:12:18,680 --> 00:12:16,410

everybody in the community a few months

225

00:12:27,230 --> 00:12:18,690

ago about the drama that was about to

226

00:12:30,770 --> 00:12:27,240

unfold and at the time I was vague and I

227

00:12:32,600 --> 00:12:30,780

understand that and at the time the

228

00:12:33,440 --> 00:12:32,610

comments that were coming in wall just

229

00:12:35,000 --> 00:12:33,450

about the same

230

00:12:36,860 --> 00:12:35,010

you know what's Jimmy on about what's

231

00:12:38,150 --> 00:12:36,870

Jimmy talking about I have no clue what

232

00:12:42,700 --> 00:12:38,160

he's talking about which to me talking

233

00:12:49,310 --> 00:12:42,710

about now get that well now you know

234

00:12:52,370 --> 00:12:49,320

sort of but I saw it all coming and I

235

00:12:57,590 --> 00:12:52,380

just wanted everybody to kind of brace

236

00:13:04,720 --> 00:12:57,600

themselves for the coming storm and and

237

00:13:08,600 --> 00:13:04,730

I didn't feel good about it okay there

238

00:13:11,210 --> 00:13:08,610

this this was brewing now for a couple

239

00:13:16,730 --> 00:13:11,220

of years yep

240

00:13:21,520 --> 00:13:16,740

and when when I see something negative

241

00:13:25,490 --> 00:13:21,530

out there I don't care what it is

242

00:13:31,040 --> 00:13:25,500

believe it or not my reaction to

243

00:13:32,690 --> 00:13:31,050

negativity is block block it doesn't

244

00:13:35,060 --> 00:13:32,700

matter because I just don't want to read

245

00:13:36,509 --> 00:13:35,070

it I don't want to get involved I don't

246

00:13:42,329 --> 00:13:36,519

care

247

00:13:49,050 --> 00:13:42,339

I in my day from the moment that I wake

248

00:13:53,009 --> 00:13:49,060

up until I hit the red on-air light for

249

00:13:55,170 --> 00:13:53,019

this show I am working I'm working I'm

250

00:13:57,150 --> 00:13:55,180

writing I'm researching I'm booking

251

00:13:58,680 --> 00:13:57,160

guests I'm talking to guess I'm

252

00:14:01,860 --> 00:13:58,690

advancing the show I'm working on the

253

00:14:04,530 --> 00:14:01,870

audio I'm working on production artwork

254

00:14:06,810 --> 00:14:04,540

and things and audio files are moving

255

00:14:09,389 --> 00:14:06,820

around and maintenance I'm the studio

256

00:14:12,210 --> 00:14:09,399

and you know what I also have a life out

257

00:14:15,060 --> 00:14:12,220

there you know and I've got to deal with

258

00:14:17,310 --> 00:14:15,070

all of that and my dogs and and then

259

00:14:19,650 --> 00:14:17,320

things right and my family and my

260

00:14:22,980 --> 00:14:19,660

daughters and my beautiful wife all of

261

00:14:26,100 --> 00:14:22,990

that applies to my day and anything out

262

00:14:28,889 --> 00:14:26,110

there that takes me off of point takes

263

00:14:34,829 --> 00:14:28,899

me off a message I don't care I don't

264

00:14:41,340 --> 00:14:34,839

care I block I'm not distracted that's

265

00:14:45,600 --> 00:14:41,350

what I do okay and so all of this was

266

00:14:47,970 --> 00:14:45,610

building up all of this was building and

267

00:14:56,130 --> 00:14:47,980

I saw it I saw it coming and you know

268

00:14:59,730 --> 00:14:56,140

and I met it and and because of that and

269

00:15:01,769 --> 00:14:59,740

Here I am today now talking to you with

270

00:15:04,319 --> 00:15:01,779

the entire nation right now freaking out

271

00:15:06,600 --> 00:15:04,329

we've just finished the elections

272

00:15:08,130 --> 00:15:06,610

yesterday and all of the emotional

273

00:15:10,290 --> 00:15:08,140

things that are going on in this country

274

00:15:12,350 --> 00:15:10,300

is divided and it's craziness and Jeff

275

00:15:15,990 --> 00:15:12,360

Sessions got fired today

276

00:15:17,780 --> 00:15:16,000

resigned you know and so we get through

277

00:15:19,769 --> 00:15:17,790

the elections and we come into today and

278

00:15:21,449 --> 00:15:19,779

hopefully it's a fresh start for

279

00:15:24,900 --> 00:15:21,459

everybody whatever side you are on red

280

00:15:27,569 --> 00:15:24,910

blue middle green I don't care right all

281

00:15:31,199 --> 00:15:27,579

that all of that is going on the

282

00:15:33,930 --> 00:15:31,209

craziness in the world and that country

283

00:15:36,509 --> 00:15:33,940

everything is nuts right now right so

284

00:15:39,689 --> 00:15:36,519

all of these emotions are flying the

285

00:15:43,050 --> 00:15:39,699

timing couldn't be better for our family

286

00:15:46,980 --> 00:15:43,060

here to react and lose it over a bunch

287

00:15:49,380 --> 00:15:46,990

of nothing seriously and if you really

288

00:15:52,230 --> 00:15:49,390

think about it if you

289

00:16:01,640 --> 00:15:52,240

really think about it what is all of

290

00:16:05,400 --> 00:16:01,650

this about UFOs alien contact disclosure

291

00:16:12,120 --> 00:16:05,410

really we want to blow this thing up

292

00:16:16,680 --> 00:16:12,130

over that it's crazy there are

293

00:16:19,890 --> 00:16:16,690

individuals right now right now that

294

00:16:22,050 --> 00:16:19,900

want to be the district attorney they

295

00:16:24,900 --> 00:16:22,060

want to be the police they want to be

296

00:16:27,450 --> 00:16:24,910

the judges of our community and it

297

00:16:30,090 --> 00:16:27,460

doesn't work that way and I'm talking

298

00:16:31,830 --> 00:16:30,100

about from any side I'm not naming any

299

00:16:35,910 --> 00:16:31,840

names I'm talking about

300

00:16:39,540 --> 00:16:35,920

pick a side and somebody out there is

301
00:16:43,980 --> 00:16:39,550
trying to tell you or somebody else how

302
00:16:46,530 --> 00:16:43,990
it is they want to run things and I'm

303
00:16:49,500 --> 00:16:46,540
telling you right now it doesn't matter

304
00:16:56,640 --> 00:16:49,510
who you are you know exactly what I am

305
00:17:00,300 --> 00:16:56,650
saying every side this community can

306
00:17:04,860 --> 00:17:00,310
police itself it always has and it

307
00:17:08,579 --> 00:17:04,870
always will don't think that you are the

308
00:17:11,100 --> 00:17:08,589
Lord and Commander that you can go and

309
00:17:14,699 --> 00:17:11,110
do whatever you want and point fingers

310
00:17:17,150 --> 00:17:14,709
you know but I'm talking about all sides

311
00:17:20,280 --> 00:17:17,160
here the blame the anger that

312
00:17:23,130 --> 00:17:20,290
finger-pointing it's gone on for so long

313
00:17:25,260 --> 00:17:23,140

from so many different sources on all

314

00:17:29,160 --> 00:17:25,270

sides I'm talking about from companies

315

00:17:35,370 --> 00:17:29,170

from individuals from researchers from

316

00:17:40,800 --> 00:17:35,380

authors abductees experimenter it is nuts

317

00:17:45,600 --> 00:17:40,810

to me it's gone back a couple of years

318

00:17:46,320 --> 00:17:45,610

and if you've been blocked by me well

319

00:17:51,810 --> 00:17:46,330

there you go

320

00:17:57,690 --> 00:17:51,820

right it doesn't matter but listen to me

321

00:18:01,870 --> 00:17:57,700

I am calling right now right now for

322

00:18:13,100 --> 00:18:09,380

chill I'm asking for a truce it has now

323

00:18:15,920 --> 00:18:13,110

gotten to the point where the flames the

324

00:18:17,960 --> 00:18:15,930

anger and everything else ever get but

325

00:18:21,620 --> 00:18:17,970

getting pushed into a corner and it

326

00:18:25,010 --> 00:18:21,630

doesn't matter it doesn't matter who who

327

00:18:28,220 --> 00:18:25,020

you are who the victims are and and who

328

00:18:31,040 --> 00:18:28,230

is playing the games because it's on

329

00:18:36,010 --> 00:18:31,050

both sides it's on every side so I am

330

00:18:41,060 --> 00:18:36,020

asking right now a truce

331

00:18:46,010 --> 00:18:41,070

if you've been doxed truce if you are

332

00:18:50,750 --> 00:18:46,020

daxing truce if you are angry truce if

333

00:18:52,870 --> 00:18:50,760

you don't believe somebody truce if

334

00:18:59,240 --> 00:18:52,880

you're somebody that has been blamed

335

00:19:02,049 --> 00:18:59,250

truce you want to react time out that's

336

00:19:04,340 --> 00:19:02,059

it and I know I know that right now

337

00:19:07,990 --> 00:19:04,350

everybody that I'm talking about is

338

00:19:15,440 --> 00:19:08,000

listening to me so I am asking you

339

00:19:20,840 --> 00:19:15,450

stop stop stop tweeting stop texting

340

00:19:30,919 --> 00:19:20,850

stop posting stop commenting stop just

341

00:19:34,100 --> 00:19:30,929

stop stop it's time for a truce the

342

00:19:36,110 --> 00:19:34,110

prize here the price you know what I'm

343

00:19:39,290 --> 00:19:36,120

concerned about you know what I care

344

00:19:42,380 --> 00:19:39,300

about I care about are we being visited

345

00:19:44,750 --> 00:19:42,390

right now by et what does the government

346

00:19:47,180 --> 00:19:44,760

know what's going on in the skies

347

00:19:49,880 --> 00:19:47,190

what's going on with Egypt what's going

348

00:19:51,919 --> 00:19:49,890

on with ancient civilizations you know

349

00:19:54,560 --> 00:19:51,929

what's going on with time travel and

350

00:19:56,480 --> 00:19:54,570

parallel universes the these big

351

00:19:57,169 --> 00:19:56,490

conspiracies going on if that's what I

352

00:20:00,350 --> 00:19:57,179

care about

353

00:20:05,570 --> 00:20:00,360

that's the prize that's what we need to

354

00:20:09,890 --> 00:20:05,580

be focused on that's it you know and to

355

00:20:12,290 --> 00:20:09,900

think that there are victims right now

356

00:20:14,860 --> 00:20:12,300

people that are been attacked from all

357

00:20:19,070 --> 00:20:14,870

sides - it doesn't matter

358

00:20:22,430 --> 00:20:19,080

that are lying in bed at night freaked

359

00:20:25,389 --> 00:20:22,440

out because of personal attacks and they

360

00:20:29,149 --> 00:20:25,399

you know you know what that's wrong you

361

00:20:32,119 --> 00:20:29,159

just don't do it there are people that

362

00:20:35,509 --> 00:20:32,129

that are that are being attacked that

363

00:20:38,539 --> 00:20:35,519

I'm not fans of I don't even know I

364

00:20:42,289 --> 00:20:38,549

don't concern myself with but they don't

365

00:20:46,129 --> 00:20:42,299

deserve it I may not you know approve or

366

00:20:49,340 --> 00:20:46,139

whatever but we don't do this there are

367

00:20:51,889 --> 00:20:49,350

people right now that are doing these

368

00:20:53,480 --> 00:20:51,899

attacks out of vengeance or reacting you

369

00:20:55,759 --> 00:20:53,490

know oh they attacked me I'm going to

370

00:20:58,669 --> 00:20:55,769

attack back stop it it's time for a

371

00:21:02,419 --> 00:20:58,679

truce there are people right now that

372

00:21:04,669 --> 00:21:02,429

are lying in bed in the dark with their

373

00:21:07,879 --> 00:21:04,679

eyes open looking at the ceiling going

374

00:21:11,360 --> 00:21:07,889

man I can't wait to just get up tomorrow

375

00:21:17,480 --> 00:21:11,370

and do something you know what over UFOs

376

00:21:21,850 --> 00:21:17,490

over a Lea are you kidding me I'm done

377

00:21:24,619 --> 00:21:21,860

with it I'm done

378

00:21:26,779 --> 00:21:24,629

doxxing is wrong attacking is wrong

379

00:21:29,509 --> 00:21:26,789

personal attacks are wrong you know what

380

00:21:32,840 --> 00:21:29,519

is right trying to figure out what is

381

00:21:34,789 --> 00:21:32,850

going on in the skies up there what is

382

00:21:37,850 --> 00:21:34,799

going on that is what you need to focus

383

00:21:39,950 --> 00:21:37,860

your energy on not reacting not freaking

384

00:21:43,310 --> 00:21:39,960

out I don't want people losing sleep

385

00:21:46,340 --> 00:21:43,320

wondering about how somebody is going to

386

00:21:51,289 --> 00:21:46,350

attack them on Facebook or on Twitter or

387

00:21:54,740 --> 00:21:51,299

or an email or on a website on a youtube

388

00:21:57,830 --> 00:21:54,750

video comment thread thing that is just

389

00:22:00,110 --> 00:21:57,840

wrong and that's not what this community

390

00:22:01,960 --> 00:22:00,120

is about and quite frankly I'm tired and

391

00:22:10,490 --> 00:22:01,970

I saw it coming

392

00:22:13,990 --> 00:22:10,500

and I just tried to warn everybody how

393

00:22:17,149 --> 00:22:14,000

is it that I have to sit here on a

394

00:22:19,700 --> 00:22:17,159

beautiful show like tonight and speak

395

00:22:22,700 --> 00:22:19,710

about this and it's really now it's

396

00:22:27,260 --> 00:22:22,710

gotten to be that big of a deal so today

397

00:22:30,440 --> 00:22:27,270

I am running around I am talking with

398

00:22:32,480 --> 00:22:30,450

technicians at companies I'm when I say

399

00:22:34,010 --> 00:22:32,490

running around I'm missing a cable I'm

400

00:22:35,780 --> 00:22:34,020

out I'm on the phone I'm trying to

401
00:22:37,910 --> 00:22:35,790
figure things out I'm I'm coming back

402
00:22:40,610 --> 00:22:37,920
I'm bolting in on this I'm software and

403
00:22:43,490 --> 00:22:40,620
I'm changing file names and downloading

404
00:22:46,400 --> 00:22:43,500
and just craziness here and I just spin

405
00:22:49,100 --> 00:22:46,410
around in the middle of the day and I

406
00:22:51,350 --> 00:22:49,110
look and I just happened to glance at

407
00:22:55,670 --> 00:22:51,360
Twitter and I'm watching what's going on

408
00:23:03,260 --> 00:22:55,680
it's just like well that's just man are

409
00:23:08,540 --> 00:23:03,270
we - are we you know two years old so

410
00:23:09,550 --> 00:23:08,550
yes I'm asking for a truce I we need a

411
00:23:14,420 --> 00:23:09,560
time out

412
00:23:17,780 --> 00:23:14,430
everybody take a deep breath it's been

413
00:23:22,250 --> 00:23:17,790

building for a couple of years and in

414

00:23:24,620 --> 00:23:22,260

the end those out there on any side that

415

00:23:26,840 --> 00:23:24,630

have been nitpicking and poking and just

416

00:23:28,550 --> 00:23:26,850

just thumbing each other in the chest

417

00:23:30,230 --> 00:23:28,560

and said what did you think the end

418

00:23:32,810 --> 00:23:30,240

result was gonna be and now everybody's

419

00:23:36,830 --> 00:23:32,820

upset right well now it's come down to

420

00:23:41,420 --> 00:23:36,840

what we are doxing are you kidding me

421

00:23:43,400 --> 00:23:41,430

this community we are supposed to be you

422

00:23:45,860 --> 00:23:43,410

know fourth dimensional fifth

423

00:23:49,880 --> 00:23:45,870

dimensional six of been tional beings of

424

00:23:52,190 --> 00:23:49,890

of benevolence of kindness of being

425

00:23:53,630 --> 00:23:52,200

awakened and consciousness and moving

426

00:23:56,390 --> 00:23:53,640

into the future and concerned about this

427

00:23:59,440 --> 00:23:56,400

planet and Gaia and earth and things and

428

00:24:02,900 --> 00:23:59,450

pets left that's what we are about and

429

00:24:06,770 --> 00:24:02,910

if you are taking out your time to

430

00:24:08,090 --> 00:24:06,780

attack others or or react in an attack

431

00:24:09,710 --> 00:24:08,100

back and you think you're doing the

432

00:24:12,380 --> 00:24:09,720

right thing you are losing the respect

433

00:24:14,990 --> 00:24:12,390

of this community nobody is going to

434

00:24:19,400 --> 00:24:15,000

respect you and I don't care who you are

435

00:24:21,440 --> 00:24:19,410

because I'm speaking to everybody done

436

00:24:25,820 --> 00:24:21,450

with it I'm done

437

00:24:29,510 --> 00:24:25,830

so listen to me listen post something

438

00:24:31,340 --> 00:24:29,520

negative on Twitter you're blocked post

439

00:24:34,970 --> 00:24:31,350

something negative on Facebook I don't

440

00:24:36,950 --> 00:24:34,980

care you're blocked Oh Jimmy blocked me

441

00:24:37,430 --> 00:24:36,960

man I'm on the blood list well good for

442

00:24:40,640 --> 00:24:37,440

you

443

00:24:44,960 --> 00:24:40,650

cuz I don't care I don't

444

00:24:47,840 --> 00:24:44,970

don't care and I'm encouraged if that's

445

00:24:50,390 --> 00:24:47,850

what if that's what it takes you know

446

00:24:52,490 --> 00:24:50,400

that all of the negativity this

447

00:24:58,010 --> 00:24:52,500

community will block you into

448

00:24:59,990 --> 00:24:58,020

insignificance it's really true so it's

449

00:25:03,050 --> 00:25:00,000

time for everybody to grow up put on

450

00:25:05,720 --> 00:25:03,060

your big-boy pants your big-girl pants

451
00:25:10,510 --> 00:25:05,730
tighten your shoelaces it's time for a

452
00:25:13,820 --> 00:25:10,520
truce bite your lip and and live with it

453
00:25:16,580 --> 00:25:13,830
we need to move on there is other stuff

454
00:25:18,530 --> 00:25:16,590
to worry about like having this

455
00:25:21,650 --> 00:25:18,540
beautiful show tonight with Randall and

456
00:25:23,960 --> 00:25:21,660
and I've got to sit here leading up to

457
00:25:26,650 --> 00:25:23,970
this by the way let me tell you

458
00:25:29,210 --> 00:25:26,660
something I just spent six hours today

459
00:25:29,930 --> 00:25:29,220
frustrated and putting gear into this

460
00:25:32,810 --> 00:25:29,940
studio

461
00:25:35,420 --> 00:25:32,820
my nerves are already frazzled and I've

462
00:25:38,000 --> 00:25:35,430
got two moments before the show come

463
00:25:42,260 --> 00:25:38,010

back on and I am reading this stuff and

464

00:25:44,510 --> 00:25:42,270

I'm simply wait a minute here you know

465

00:25:47,480 --> 00:25:44,520

and I know I know some of these people

466

00:25:51,200 --> 00:25:47,490

personally and I know how cool they are

467

00:25:54,260 --> 00:25:51,210

I know how maybe unstable it we're all

468

00:25:56,120 --> 00:25:54,270

emotional you know we're all emotional

469

00:25:59,840 --> 00:25:56,130

beings and what brings us into this

470

00:26:02,030 --> 00:25:59,850

community are things that that not only

471

00:26:05,720 --> 00:26:02,040

are emotional but you know what they're

472

00:26:08,360 --> 00:26:05,730

fragile and we start to go and and mess

473

00:26:10,880 --> 00:26:08,370

with those things that are we whole

474

00:26:13,820 --> 00:26:10,890

precious and dear it's easy to come

475

00:26:15,500 --> 00:26:13,830

unhinged and people know that and

476

00:26:18,260 --> 00:26:15,510

they're poking at this community and

477

00:26:21,190 --> 00:26:18,270

it's just you know we got to stop we

478

00:26:23,660 --> 00:26:21,200

have got to stop and that's my message

479

00:26:27,800 --> 00:26:23,670

that's what this show has always been

480

00:26:32,270 --> 00:26:27,810

about and it's community first so that's

481

00:26:35,560 --> 00:26:32,280

it that's my message truce truce and

482

00:26:38,660 --> 00:26:35,570

from this moment forward I'm not playing

483

00:26:42,200 --> 00:26:38,670

listen to me from this moment forward

484

00:26:45,800 --> 00:26:42,210

any negativity people are going to

485

00:26:49,400 --> 00:26:45,810

recognize it because you're part of the

486

00:26:52,580 --> 00:26:49,410

problem now you can change right now

487

00:26:54,530 --> 00:26:52,590

just go you know what okay enough is

488

00:26:58,310 --> 00:26:54,540

enough all right the

489

00:27:01,940 --> 00:26:58,320

give it a shot let's give it a shot

490

00:27:06,080 --> 00:27:01,950

let's just let's just all get along time

491

00:27:08,510 --> 00:27:06,090

out sometimes you got a retreat and you

492

00:27:10,870 --> 00:27:08,520

got to think about things take a deep

493

00:27:18,130 --> 00:27:17,390

all this over UFOs really really think

494

00:27:20,360 --> 00:27:18,140

about that

495

00:27:24,080 --> 00:27:20,370

it's fade to black I'm yours Jimmy

496

00:27:27,680 --> 00:27:24,090

Church yeah you can email me Jimmy at

497

00:27:31,010 --> 00:27:27,690

Jimmy Church radio.com alright there you

498

00:27:32,660 --> 00:27:31,020

go I won't even read it on the air let's

499

00:27:36,020 --> 00:27:32,670

get out of here I want to have some fun

500

00:27:38,360 --> 00:27:36,030

I'm gonna talk to Randall Carlson watch

501
00:27:39,790 --> 00:27:38,370
me change my tune I'm gonna go through

502
00:27:44,840 --> 00:27:39,800
this commercial break

503
00:27:47,800 --> 00:27:44,850
I'm gonna come back bright-eyed and

504
00:27:51,350 --> 00:27:47,810
bushy-tailed it's all good all right

505
00:27:54,200 --> 00:27:51,360
time out we're moving on to fade to

506
00:27:55,910 --> 00:27:54,210
black I'm yours to me Church email those

507
00:27:59,930 --> 00:27:55,920
to me at Jimmy Church radio.com follow

508
00:28:05,390 --> 00:27:59,940
me on twitter @ JT radio yeah a block

509
00:28:07,990 --> 00:28:05,400
yet a block yeah I'll be right back

510
00:28:23,630 --> 00:28:08,000
after this short break stay with us

511
00:28:23,640 --> 00:28:30,549
[Music]

512
00:28:35,119 --> 00:28:33,049
this is Nicole Church daughter of

513
00:28:37,099 --> 00:28:35,129

you-know-who and you're listening to

514

00:28:42,319 --> 00:28:37,109

fade to black on Jimmy Church radio.com

515

00:28:47,590 --> 00:28:42,329

and the GameChanger network you're

516

00:28:55,749 --> 00:28:51,090

[Music]

517

00:29:04,609 --> 00:29:02,329

radio when you take the beams from

518

00:29:07,159 --> 00:29:04,619

Central America with dashes of

519

00:29:09,559 --> 00:29:07,169

Indonesian and African mixed in and then

520

00:29:12,439 --> 00:29:09,569

roast it to the dark side of fade to

521

00:29:15,589 --> 00:29:12,449

black you create the ultimate brew of

522

00:29:19,339 --> 00:29:15,599

Fringe introducing the fade to black

523

00:29:21,919 --> 00:29:19,349

blend from River moon coffee yes River

524

00:29:24,919 --> 00:29:21,929

moons darkest customized roast was

525

00:29:27,919 --> 00:29:24,929

created for the love of fade to black

526
00:29:30,619 --> 00:29:27,929
the alchemy of masterful roasting and

527
00:29:34,189 --> 00:29:30,629
smoking the beans is in every sip of

528
00:29:37,189 --> 00:29:34,199
this full-bodied dark Java I need my

529
00:29:39,499 --> 00:29:37,199
coffee dog deep with distinct

530
00:29:42,229 --> 00:29:39,509
bittersweet chocolate highlights just

531
00:29:44,659 --> 00:29:42,239
like the bunker leaning further into the

532
00:29:47,930 --> 00:29:44,669
darkness of the roast is fade to black

533
00:29:49,609 --> 00:29:47,940
blend from river moon coffee just click

534
00:29:52,909 --> 00:29:49,619
on the banner at Jimmy Church radio.com

535
00:29:58,209 --> 00:29:52,919
and use the promo code F to B blend for

536
00:30:00,469 --> 00:29:58,219
15% off of your order today gobekli tepe

537
00:30:03,979 --> 00:30:00,479
this is Jimmy church have fade to black

538
00:30:06,319 --> 00:30:03,989

and you can get our podcast for just \$2

539

00:30:08,839 --> 00:30:06,329

per month all you have to do is click on

540

00:30:12,739 --> 00:30:08,849

the podcast banner over at Jimmy Church

541

00:30:15,229 --> 00:30:12,749

radio.com times are changing the circus

542

00:30:17,119 --> 00:30:15,239

of politics Healthcare's low standards

543

00:30:20,089 --> 00:30:17,129

and high prices and let's not forget

544

00:30:22,489 --> 00:30:20,099

food quality what to do arm yourself

545

00:30:25,189 --> 00:30:22,499

with life change T it get the tea calm

546

00:30:28,249 --> 00:30:25,199

in a world of chemical imbalance and

547

00:30:31,159 --> 00:30:28,259

pour air and water quality it's time you

548

00:30:33,549 --> 00:30:31,169

make a move log on to get the t-dot-com

549

00:30:35,749 --> 00:30:33,559

and stock up on organic non-gmo

550

00:30:38,180 --> 00:30:35,759

supplements don't forget the tea

551
00:30:40,459 --> 00:30:38,190
cleansing your body never felt so good

552
00:30:42,829 --> 00:30:40,469
and we have a brand new tea called take

553
00:30:43,670 --> 00:30:42,839
down tea which helps support healthy

554
00:30:46,430 --> 00:30:43,680
glucose

555
00:30:47,530 --> 00:30:46,440
all natural body support so you can be

556
00:30:50,450 --> 00:30:47,540
at your best

557
00:30:53,200 --> 00:30:50,460
naturally all you have to do is log on

558
00:30:56,000 --> 00:30:53,210
to get the t-dot-com that's get the

559
00:30:59,360 --> 00:30:56,010
t.com we're not a fad that comes and

560
00:31:02,090 --> 00:30:59,370
goes we are the real deal join us in

561
00:31:05,450 --> 00:31:02,100
armored up get the t-dot-com

562
00:31:05,930 --> 00:31:05,460
that's get the t.com changing america's

563
00:31:09,230 --> 00:31:05,940

health

564

00:31:14,680 --> 00:31:09,240

one tea bag at a time 9 out of 10

565

00:31:20,090 --> 00:31:14,690

geneticists agreed fade to black

566

00:31:23,500 --> 00:31:20,100

is not your father's radio show on the

567

00:31:27,740 --> 00:31:23,510

game changer of radio network and k gra

568

00:31:32,870 --> 00:31:30,200

do you want to lose weight but have no

569

00:31:35,000 --> 00:31:32,880

idea where to begin the fast start diet

570

00:31:37,460 --> 00:31:35,010

a three-day weight loss plan is the

571

00:31:39,289 --> 00:31:37,470

answer three days of nutritionally

572

00:31:42,110 --> 00:31:39,299

balanced calorie restricted meals

573

00:31:44,990 --> 00:31:42,120

delivered right to your door no shopping

574

00:31:47,450 --> 00:31:45,000

no measuring and no cooking everything

575

00:31:50,240 --> 00:31:47,460

is prepared for you and ready to eat at

576
00:31:52,039 --> 00:31:50,250
home or on the go the fast start diet

577
00:31:53,930 --> 00:31:52,049
has all the amazing benefits of

578
00:31:56,390 --> 00:31:53,940
intermittent fasting without starving

579
00:31:57,770 --> 00:31:56,400
we've helped thousands of people who

580
00:32:00,350 --> 00:31:57,780
have struggled to reach their weight

581
00:32:02,720 --> 00:32:00,360
loss goals isn't it time we helped you

582
00:32:05,659 --> 00:32:02,730
with the fast start diet you'll lose

583
00:32:08,090 --> 00:32:05,669
weight and feel great fine fast start

584
00:32:11,210 --> 00:32:08,100
diet on Amazon or go to fast start diet

585
00:32:13,520 --> 00:32:11,220
calm and use promo code talk to get 10%

586
00:32:15,860 --> 00:32:13,530
off your first box and as a special

587
00:32:18,169 --> 00:32:15,870
bonus fast start will include their

588
00:32:20,360 --> 00:32:18,179

number one rated lipo 3 appetite

589

00:32:22,789 --> 00:32:20,370

suppressant spray free with your order

590

00:32:25,940 --> 00:32:22,799

this is Jimmy Church and whatever your

591

00:32:48,440 --> 00:32:25,950

diet plans are do what I did go to fast

592

00:32:48,450 --> 00:32:54,770

[Music]

593

00:32:59,540 --> 00:32:57,170

all right welcome back fade to black I'm

594

00:33:00,950 --> 00:32:59,550

hosting the church tonight Randall

595

00:33:03,500 --> 00:33:00,960

Carlson is here tomorrow night

596

00:33:06,110 --> 00:33:03,510

Fator night open lines all night long

597

00:33:07,730 --> 00:33:06,120

premier above theresa generis she's

598

00:33:09,650 --> 00:33:07,740

gonna be here dividing frequency on the

599

00:33:12,830 --> 00:33:09,660

airwaves premiering tomorrow night

600

00:33:14,810 --> 00:33:12,840

very excited about that and I was just

601
00:33:18,680 --> 00:33:14,820
watching in Twitter okay Jimmy you want

602
00:33:21,650 --> 00:33:18,690
a truce you got to unblock everybody you

603
00:33:30,370 --> 00:33:21,660
know I've got 4500 people blocked in

604
00:33:33,740 --> 00:33:32,900
yeah I'll take a look at that I'll

605
00:33:36,890 --> 00:33:33,750
consider it

606
00:33:39,470 --> 00:33:36,900
okay I will I will I will I look I

607
00:33:42,130 --> 00:33:39,480
practice what I preach all right but now

608
00:33:45,680 --> 00:33:42,140
it's about Randall he's a master builder

609
00:33:49,070 --> 00:33:45,690
architectural designer teacher and the

610
00:33:52,880 --> 00:33:49,080
thing is about Randall he's a renegade

611
00:33:54,740 --> 00:33:52,890
he's been four decades of study research

612
00:33:56,180 --> 00:33:54,750
and exploration into the interface

613
00:33:58,970 --> 00:33:56,190

between the ancient mysteries of modern

614

00:34:01,700 --> 00:33:58,980

science has been an active Freemason for

615

00:34:03,470 --> 00:34:01,710

thirty years and it is a past master one

616

00:34:05,990 --> 00:34:03,480

of the oldest and largest Masonic lodges

617

00:34:07,670 --> 00:34:06,000

in Georgia he has been recognized by the

618

00:34:09,350 --> 00:34:07,680

National Science Teachers Association

619

00:34:11,990 --> 00:34:09,360

for his commitment to science education

620

00:34:13,909 --> 00:34:12,000

for young people his work incorporates

621

00:34:16,399 --> 00:34:13,919

ancient mythology astronomy earth

622

00:34:19,220 --> 00:34:16,409

science paleontology symbolism sacred

623

00:34:21,500 --> 00:34:19,230

geometry and architecture geomancy and

624

00:34:24,020 --> 00:34:21,510

other arcane and scientific traditions

625

00:34:26,680 --> 00:34:24,030

for over 25 years he has presented

626
00:34:28,639 --> 00:34:26,690
classes lectures and multimedia programs

627
00:34:31,639 --> 00:34:28,649
synthesizing this information for

628
00:34:33,860 --> 00:34:31,649
students of the mysteries tonight we're

629
00:34:35,389 --> 00:34:33,870
gonna go back we're gonna go way back

630
00:34:38,300 --> 00:34:35,399
into the history of North America the

631
00:34:40,220 --> 00:34:38,310
true history before Columbus or anyone

632
00:34:42,169 --> 00:34:40,230
else who say that they may have

633
00:34:44,690 --> 00:34:42,179
discovered America and the evidence of

634
00:34:46,970 --> 00:34:44,700
other civilizations that may have

635
00:34:48,409 --> 00:34:46,980
started here and spread around the world

636
00:34:50,149 --> 00:34:48,419
and then we're going to look to the

637
00:34:52,360 --> 00:34:50,159
future we're gonna do it all tonight

638
00:34:54,800 --> 00:34:52,370

that's why I'm calling it the

639

00:34:57,500 --> 00:34:54,810

conversation his web site is sacred

640

00:34:59,180 --> 00:34:57,510

geometry international comm and I would

641

00:35:02,270 --> 00:34:59,190

like to welcome back to fade to black a

642

00:35:05,300 --> 00:35:02,280

man of sense and sensibilities and a

643

00:35:07,260 --> 00:35:05,310

nice beard Randall Carlson Randall good

644

00:35:09,660 --> 00:35:07,270

evening my friend how are you

645

00:35:12,020 --> 00:35:09,670

well thanks for having me back Jimmy I'm

646

00:35:14,850 --> 00:35:12,030

actually doing pretty well other than a

647

00:35:16,920 --> 00:35:14,860

strained hamstring from over exercising

648

00:35:20,280 --> 00:35:16,930

this morning other than that I'm doing

649

00:35:22,109 --> 00:35:20,290

well can I can I throw you under the bus

650

00:35:25,380 --> 00:35:22,119

a little bit and tell everybody about

651
00:35:26,820 --> 00:35:25,390
our brief conversation before the show

652
00:35:36,210 --> 00:35:26,830
tonight because it was it was pretty

653
00:35:41,280 --> 00:35:36,220
cool it's funny so hopefully it's not

654
00:35:43,920 --> 00:35:41,290
anything embarrassing right yeah exactly

655
00:35:46,800 --> 00:35:43,930
for both of us in that I'm just gonna

656
00:35:48,750 --> 00:35:46,810
let everybody know so Randall Randall

657
00:35:50,520 --> 00:35:48,760
calls me we always talked before the

658
00:35:52,859 --> 00:35:50,530
show and he calls me and he was like

659
00:35:55,890 --> 00:35:52,869
Jimmy I'm depending on you tonight I

660
00:35:58,200 --> 00:35:55,900
need you to brighten my day I need to

661
00:36:00,600 --> 00:35:58,210
get relaxed I want I need you to pull it

662
00:36:02,670 --> 00:36:00,610
all out I was like Randall I need you

663
00:36:05,490 --> 00:36:02,680

for the same things I'm completely

664

00:36:07,650 --> 00:36:05,500

stressed and it was just so funny how we

665

00:36:09,960 --> 00:36:07,660

brought both looking forward to the show

666

00:36:12,450 --> 00:36:09,970

and getting psyched up and pumped up and

667

00:36:14,700 --> 00:36:12,460

we we needed each other for the same

668

00:36:17,040 --> 00:36:14,710

exact reasons so here we are Randall

669

00:36:21,330 --> 00:36:17,050

you're brightening my day thank you for

670

00:36:23,340 --> 00:36:21,340

that well thank you Jimmy I'm trying to

671

00:36:26,040 --> 00:36:23,350

do whatever I can I know that you need

672

00:36:28,320 --> 00:36:26,050

all the little boost you can get in your

673

00:36:29,720 --> 00:36:28,330

day-to-day routine and so if I can help

674

00:36:34,590 --> 00:36:29,730

in that matter

675

00:36:36,180 --> 00:36:34,600

I'm all for it Oh bad this wait Jimmy

676

00:36:36,870 --> 00:36:36,190

till I get you out in the field for a

677

00:36:39,650 --> 00:36:36,880

few days

678

00:36:43,170 --> 00:36:39,660

I know you know I'm so looking forward

679

00:36:46,020 --> 00:36:43,180

to that opportunity where we can just go

680

00:36:49,710 --> 00:36:46,030

and and disconnect you know leave our

681

00:36:51,870 --> 00:36:49,720

cell phones away from us and just go and

682

00:36:55,859 --> 00:36:51,880

check out this great country of ours and

683

00:36:57,150 --> 00:36:55,869

and oh man yeah yeah I look forward to

684

00:37:00,810 --> 00:36:57,160

that Randall and thank you for the

685

00:37:03,630 --> 00:37:00,820

invitation you know it we have our paths

686

00:37:06,570 --> 00:37:03,640

have been so close to crossing over the

687

00:37:08,160 --> 00:37:06,580

last few years and we have missed those

688

00:37:08,520 --> 00:37:08,170

opportunities we're talking about that

689

00:37:11,130 --> 00:37:08,530

tonight

690

00:37:14,099 --> 00:37:11,140

you know we narrowly missed each other a

691

00:37:16,320 --> 00:37:14,109

couple of years ago and and I just can't

692

00:37:19,420 --> 00:37:16,330

believe that we let that slip bias but

693

00:37:23,950 --> 00:37:19,430

we can't let it happen again all right

694

00:37:26,260 --> 00:37:23,960

I agree now I actually want to start

695

00:37:30,420 --> 00:37:26,270

here tonight let's kind of relax and

696

00:37:33,490 --> 00:37:30,430

let's go back a couple of steps your

697

00:37:36,609 --> 00:37:33,500

presentations and your web presence and

698

00:37:38,680 --> 00:37:36,619

your conversations especially over the

699

00:37:42,720 --> 00:37:38,690

last few years have had a lot of impact

700

00:37:46,990 --> 00:37:42,730

on myself personally and this community

701
00:37:50,049 --> 00:37:47,000
what what started this interest for you

702
00:37:52,740 --> 00:37:50,059
I mean going back when you and I'm

703
00:37:55,210 --> 00:37:52,750
talking about the interest of not only

704
00:37:57,940 --> 00:37:55,220
cataclysms and world events but past

705
00:38:01,960 --> 00:37:57,950
civilizations and and in the distant

706
00:38:04,390 --> 00:38:01,970
distant past what what advantage do we

707
00:38:08,650 --> 00:38:04,400
have to learning these things why go and

708
00:38:11,190 --> 00:38:08,660
do it why the commitment oh well lucky

709
00:38:13,990 --> 00:38:11,200
that was actually several questions

710
00:38:16,569 --> 00:38:14,000
let's tackle the last one first which

711
00:38:19,000 --> 00:38:16,579
was basically why do it I mean the

712
00:38:22,780 --> 00:38:19,010
question becomes why do anything to

713
00:38:24,789 --> 00:38:22,790

perpetuate our continued existence we do

714

00:38:27,400 --> 00:38:24,799

things every day to make sure that we

715

00:38:29,829 --> 00:38:27,410

optimize our chances of surviving

716

00:38:31,930 --> 00:38:29,839

through the day right when we get in our

717

00:38:33,520 --> 00:38:31,940

car and we strap ourselves in with our

718

00:38:36,130 --> 00:38:33,530

seatbelts when we're going to cross the

719

00:38:38,740 --> 00:38:36,140

street and we look both ways

720

00:38:42,339 --> 00:38:38,750

you know the idea is that whatever the

721

00:38:45,490 --> 00:38:42,349

purpose and value of life I think it's

722

00:38:49,329 --> 00:38:45,500

our job here to attempt to sustain that

723

00:38:51,240 --> 00:38:49,339

life and so I guess you'd say that what

724

00:38:54,640 --> 00:38:51,250

I'm looking at is the long-term

725

00:38:57,309 --> 00:38:54,650

sustainability of human civilization on

726

00:38:59,490 --> 00:38:57,319

earth because up to this point we

727

00:39:03,579 --> 00:38:59,500

haven't had a really good track record

728

00:39:06,010 --> 00:39:03,589

because what we see is the leftovers of

729

00:39:08,650 --> 00:39:06,020

multiple civilizations that rose from

730

00:39:10,180 --> 00:39:08,660

the dust thrived for a while prospered

731

00:39:12,910 --> 00:39:10,190

for a while and then for whatever reason

732

00:39:15,309 --> 00:39:12,920

went down and there's a lot of lessons

733

00:39:19,120 --> 00:39:15,319

there that we have to learn about in

734

00:39:21,280 --> 00:39:19,130

long term sustainability and I guess

735

00:39:24,160 --> 00:39:21,290

that's kind of what I'm trying to do is

736

00:39:26,650 --> 00:39:24,170

to get more people to shift their

737

00:39:29,020 --> 00:39:26,660

perspective a little bit to take in the

738

00:39:32,349 --> 00:39:29,030

big picture rather than just the

739

00:39:33,300 --> 00:39:32,359

day-to-day events the the trivia of day

740

00:39:35,100 --> 00:39:33,310

to day that I can

741

00:39:36,600 --> 00:39:35,110

so much of our time and so much of our

742

00:39:39,540 --> 00:39:36,610

attention and so much of our

743

00:39:41,280 --> 00:39:39,550

consciousness is important and we have

744

00:39:43,560 --> 00:39:41,290

to deal with that but at the same time

745

00:39:46,140 --> 00:39:43,570

if we ignore the big picture we're going

746

00:39:47,940 --> 00:39:46,150

to be in trouble and I would like to

747

00:39:50,460 --> 00:39:47,950

think that there is a that there is a

748

00:39:52,530 --> 00:39:50,470

long term game plan that we can be

749

00:39:55,590 --> 00:39:52,540

successful on this planet that we can be

750

00:39:58,080 --> 00:39:55,600

prosperous that we can continue to

751

00:40:01,620 --> 00:39:58,090

improve as a species to get more

752

00:40:04,830 --> 00:40:01,630

intelligent and wiser and I think that

753

00:40:06,600 --> 00:40:04,840

turning to our past and the lessons and

754

00:40:08,880 --> 00:40:06,610

the legacy of our ancestors that have

755

00:40:11,120 --> 00:40:08,890

come before us is going to be absolutely

756

00:40:15,120 --> 00:40:11,130

vital in attaining that kind of

757

00:40:18,660 --> 00:40:15,130

absolutely necessary perspective and so

758

00:40:20,100 --> 00:40:18,670

what kicked it off then and in and so

759

00:40:21,660 --> 00:40:20,110

that's the back end right that's the

760

00:40:23,640 --> 00:40:21,670

last question first

761

00:40:25,140 --> 00:40:23,650

what happened Randall said there was

762

00:40:29,880 --> 00:40:25,150

something in your life where you just

763

00:40:32,700 --> 00:40:29,890

went okay I need to do this I mean well

764

00:40:35,040 --> 00:40:32,710

I get asked that question and I keep

765

00:40:37,380 --> 00:40:35,050

going back trying to pinpoint okay I it

766

00:40:39,870 --> 00:40:37,390

was that thing it was that event it was

767

00:40:41,550 --> 00:40:39,880

that day and really Jimmy I think I got

768

00:40:46,620 --> 00:40:41,560

to go right back and say I've been

769

00:40:50,070 --> 00:40:46,630

cursed since the day I was born I had I

770

00:40:52,560 --> 00:40:50,080

had no alternative I just know I came

771

00:40:55,920 --> 00:40:52,570

into this world like going what the holy

772

00:40:58,320 --> 00:40:55,930

[h__\h] man I need to figure this out so I

773

00:41:00,720 --> 00:40:58,330

can recall being seven years old walking

774

00:41:03,420 --> 00:41:00,730

this that we lived in rural Minnesota

775

00:41:05,880 --> 00:41:03,430

and back in those days a seven-year-old

776

00:41:09,000 --> 00:41:05,890

could walk you know a quarter mile over

777

00:41:10,770 --> 00:41:09,010

to a neighbor's house the Wolves had

778

00:41:14,580 --> 00:41:10,780

been cleared out about that time in the

779

00:41:16,470 --> 00:41:14,590

Coyotes and the Bobcats and so on so

780

00:41:18,360 --> 00:41:16,480

there wasn't too much fear so I was

781

00:41:20,550 --> 00:41:18,370

walking over to his neighbor's house and

782

00:41:23,070 --> 00:41:20,560

visited a friend and then I was walking

783

00:41:26,070 --> 00:41:23,080

back and they had a big willow tree on

784

00:41:27,690 --> 00:41:26,080

the hill that they lived on and I just

785

00:41:30,420 --> 00:41:27,700

remember stopping under that willow tree

786

00:41:32,900 --> 00:41:30,430

and having I guess what you would say my

787

00:41:36,300 --> 00:41:32,910

first mystical experience in life were

788

00:41:40,230 --> 00:41:36,310

everything just seemed to converge into

789

00:41:41,550 --> 00:41:40,240

a grand synthesis and for about 10

790

00:41:44,280 --> 00:41:41,560

minutes I stood there under that tree

791

00:41:46,440 --> 00:41:44,290

feeling like it was totally at one with

792

00:41:47,040 --> 00:41:46,450

everything and then the feeling went

793

00:41:49,740 --> 00:41:47,050

away and I

794

00:41:51,930 --> 00:41:49,750

home and resume my life but I'll never

795

00:41:54,000 --> 00:41:51,940

forget that that might be the earliest

796

00:41:56,580 --> 00:41:54,010

time I can remember that there was a

797

00:41:58,800 --> 00:41:56,590

sense of something grander or something

798

00:42:01,170 --> 00:41:58,810

great or something to transcended that

799

00:42:04,140 --> 00:42:01,180

the day-to-day the mundane routine of

800

00:42:07,250 --> 00:42:04,150

our existence and then I can go on and

801
00:42:10,050 --> 00:42:07,260
there were different points you know

802
00:42:11,790 --> 00:42:10,060
experiences I had probably more than

803
00:42:15,180 --> 00:42:11,800
anything I believe it was probably

804
00:42:17,670 --> 00:42:15,190
growing up in a rural environment and I

805
00:42:20,460 --> 00:42:17,680
had because of the fact that my parents

806
00:42:23,490 --> 00:42:20,470
got divorced when I was nine years old I

807
00:42:26,550 --> 00:42:23,500
grew up back and forth between the world

808
00:42:29,190 --> 00:42:26,560
of my mother which was Louisiana and the

809
00:42:32,340 --> 00:42:29,200
world of my father which was Minnesota

810
00:42:35,730 --> 00:42:32,350
so I had rural Minnesota and I had rural

811
00:42:39,510 --> 00:42:35,740
small town backwoods Louisiana

812
00:42:40,770 --> 00:42:39,520
experiences so I think between those and

813
00:42:44,040 --> 00:42:40,780

traveling up and down the Mississippi

814

00:42:46,770 --> 00:42:44,050

River typically on a daily base daily a

815

00:42:50,070 --> 00:42:46,780

yearly basis when I go to visit one or

816

00:42:53,700 --> 00:42:50,080

the other parent just you know these

817

00:42:56,100 --> 00:42:53,710

things just kind of accumulate there was

818

00:42:58,950 --> 00:42:56,110

also a place that I used to go with my

819

00:43:02,010 --> 00:42:58,960

grandparents up on the st. Croix River

820

00:43:04,410 --> 00:43:02,020

which forms the border between part of

821

00:43:07,620 --> 00:43:04,420

Minnesota and part of Wisconsin and it's

822

00:43:09,750 --> 00:43:07,630

a beautiful River Valley it's now a sort

823

00:43:11,250 --> 00:43:09,760

of like a nature preserve but there's a

824

00:43:13,830 --> 00:43:11,260

section in there with our basalt

825

00:43:15,780 --> 00:43:13,840

outcrops and on one of these basalt

826

00:43:18,240 --> 00:43:15,790

outcrops on the Minnesota side of the

827

00:43:20,970 --> 00:43:18,250

river there's a series of these gigantic

828

00:43:24,120 --> 00:43:20,980

potholes that have been drilled up to 80

829

00:43:26,820 --> 00:43:24,130

feet into the bedrock some mark 25 feet

830

00:43:29,100 --> 00:43:26,830

in diameter and we used to go there is

831

00:43:32,160 --> 00:43:29,110

when I was a kid and it's a park and you

832

00:43:35,300 --> 00:43:32,170

go in there and I just remember being

833

00:43:38,390 --> 00:43:35,310

there probably eight nine years old

834

00:43:42,300 --> 00:43:38,400

seeing these big potholes and wondering

835

00:43:43,650 --> 00:43:42,310

what what's the story here I mean how do

836

00:43:46,500 --> 00:43:43,660

you get how do you get an 80 foot

837

00:43:48,060 --> 00:43:46,510

pothole drilled into bedrock right

838

00:43:50,460 --> 00:43:48,070

that's an interesting question and it's

839

00:43:52,290 --> 00:43:50,470

a question that I now know the answer to

840

00:43:54,870 --> 00:43:52,300

but and didn't know the answer to for

841

00:43:57,270 --> 00:43:54,880

four decades after that but it was those

842

00:43:59,130 --> 00:43:57,280

kinds of things that were kind of just

843

00:44:01,710 --> 00:43:59,140

stayed in the back of my mind

844

00:44:03,870 --> 00:44:01,720

you know we grew up on a lake and that

845

00:44:06,020 --> 00:44:03,880

lake was a cattle lake which is a type

846

00:44:08,610 --> 00:44:06,030

of Lake that's left over after the

847

00:44:11,700 --> 00:44:08,620

retreat of the great ice sheets this was

848

00:44:14,880 --> 00:44:11,710

in Minnesota obviously not Louisiana and

849

00:44:17,190 --> 00:44:14,890

so living on this lake you know and

850

00:44:19,850 --> 00:44:17,200

being surrounded by a landscape that had

851
00:44:22,140 --> 00:44:19,860
been totally sculpted by the the

852
00:44:25,260 --> 00:44:22,150
presence of these great glaciers in

853
00:44:28,200 --> 00:44:25,270
their retreat it somehow made an

854
00:44:30,360 --> 00:44:28,210
impression on me that just I came away

855
00:44:34,110 --> 00:44:30,370
with this sort of intuitive sense by the

856
00:44:36,300 --> 00:44:34,120
time I was probably adolescent age that

857
00:44:39,360 --> 00:44:36,310
there was meaning in that landscape

858
00:44:42,000 --> 00:44:39,370
there was a story or a narrative in the

859
00:44:43,830 --> 00:44:42,010
landscape and of course it wasn't really

860
00:44:46,020 --> 00:44:43,840
probably until two decades later that I

861
00:44:48,390 --> 00:44:46,030
really began to understand that yeah

862
00:44:50,130 --> 00:44:48,400
there literally is you know the the

863
00:44:53,790 --> 00:44:50,140

landscape of the whole planet in fact

864

00:44:56,490 --> 00:44:53,800

has been shaped by these great events in

865

00:44:59,070 --> 00:44:56,500

some places more spectacularly than

866

00:45:01,770 --> 00:44:59,080

others and of course you know the late

867

00:45:04,860 --> 00:45:01,780

60s came along and I was you know right

868

00:45:09,140 --> 00:45:04,870

of prime age during all of that late 60s

869

00:45:12,150 --> 00:45:09,150

and early 70s and that led me to Oh

870

00:45:14,250 --> 00:45:12,160

living in a say living in a lean-to up

871

00:45:17,100 --> 00:45:14,260

in the Rocky Mountains at 11,000 feet

872

00:45:19,290 --> 00:45:17,110

for three months and just sitting up

873

00:45:22,620 --> 00:45:19,300

there contemplating the nature of the

874

00:45:25,320 --> 00:45:22,630

Continental Divide and trying to

875

00:45:28,590 --> 00:45:25,330

understand really what process has led

876

00:45:30,990 --> 00:45:28,600

to this situation in which I find myself

877

00:45:33,780 --> 00:45:31,000

sitting on this you know on this Ridge

878

00:45:36,360 --> 00:45:33,790

on these mountains you know basically

879

00:45:39,600 --> 00:45:36,370

right up in central Colorado right on

880

00:45:41,580 --> 00:45:39,610

the Continental Divide and and I came

881

00:45:44,790 --> 00:45:41,590

away from that I think just really

882

00:45:47,430 --> 00:45:44,800

curious about yeah again the sense that

883

00:45:50,940 --> 00:45:47,440

there was some kind of story within the

884

00:45:52,680 --> 00:45:50,950

landscape waiting to unfold and so it

885

00:45:55,220 --> 00:45:52,690

was this kind of a thing that has sort

886

00:45:58,080 --> 00:45:55,230

of been in the back of my consciousness

887

00:45:59,760 --> 00:45:58,090

ever since you know my teenage years but

888

00:46:01,620 --> 00:45:59,770

it wasn't until I would say I was

889

00:46:04,290 --> 00:46:01,630

probably in my late 20s that I really

890

00:46:08,010 --> 00:46:04,300

began to go okay I'm going to study the

891

00:46:10,670 --> 00:46:08,020

sciences and try to gain access to the

892

00:46:13,019 --> 00:46:10,680

knowledge I need to make sense of this

893

00:46:16,289 --> 00:46:13,029

this intimation I

894

00:46:20,569 --> 00:46:16,299

there is this story in the landscape

895

00:46:23,549 --> 00:46:20,579

that has not yet been deciphered so I

896

00:46:26,130 --> 00:46:23,559

began more formal studies enrolled in

897

00:46:27,659 --> 00:46:26,140

college and major in geology took a lot

898

00:46:31,109 --> 00:46:27,669

of astronomy and math and history

899

00:46:34,859 --> 00:46:31,119

courses so that I could begin to see

900

00:46:37,799 --> 00:46:34,869

that you know I think what what came out

901
00:46:39,899 --> 00:46:37,809
was of that was the realization that the

902
00:46:42,120 --> 00:46:39,909
terrestrial realm and the celestial

903
00:46:44,309 --> 00:46:42,130
realm that there was not a clear

904
00:46:46,140 --> 00:46:44,319
division between them that that the

905
00:46:49,499 --> 00:46:46,150
celestial realm had a much bigger role

906
00:46:52,169 --> 00:46:49,509
to play in the shaping of the world here

907
00:46:53,999 --> 00:46:52,179
below and that sort of has been

908
00:46:55,949 --> 00:46:54,009
confirmed you know by the last thirty

909
00:46:58,799 --> 00:46:55,959
years of research as we realized the

910
00:47:01,349 --> 00:46:58,809
multiple ways that the earth and the

911
00:47:02,999 --> 00:47:01,359
cosmos interact with each other but this

912
00:47:05,370 --> 00:47:03,009
was something that that our ancestors

913
00:47:07,109 --> 00:47:05,380

were well aware of and they encoded that

914

00:47:09,749 --> 00:47:07,119

in to their mythology and to their

915

00:47:13,199 --> 00:47:09,759

architecture into their symbology into

916

00:47:15,569 --> 00:47:13,209

their art and so the other aspect of

917

00:47:19,049 --> 00:47:15,579

this was you know early on getting a

918

00:47:21,899 --> 00:47:19,059

love of mythology starting with Greek

919

00:47:24,179 --> 00:47:21,909

and Scandinavian mythology

920

00:47:28,199 --> 00:47:24,189

I was just thoroughly entranced by the

921

00:47:30,659 --> 00:47:28,209

stories from the mythical records and

922

00:47:33,269 --> 00:47:30,669

mythical archives the story of Ragnarok

923

00:47:35,909 --> 00:47:33,279

and and the the Battle of the Gods and

924

00:47:38,009 --> 00:47:35,919

the Giants just really affected me when

925

00:47:39,870 --> 00:47:38,019

I was 9 and 10 years old is this when I

926
00:47:41,789 --> 00:47:39,880
first learned how to read this was some

927
00:47:44,429 --> 00:47:41,799
of the stuff that I got really absorbed

928
00:47:47,549 --> 00:47:44,439
and later on I came to realize that

929
00:47:51,449 --> 00:47:47,559
underneath all that mythic imagery was

930
00:47:54,269 --> 00:47:51,459
actual real world phenomena and that had

931
00:47:56,909 --> 00:47:54,279
been encoded into the symbology the

932
00:47:58,949 --> 00:47:56,919
archetypal symbology of the myths that

933
00:48:02,279 --> 00:47:58,959
have come down to us from many venues

934
00:48:05,759 --> 00:48:02,289
all over the world so I can't really put

935
00:48:07,859 --> 00:48:05,769
my finger on any specific point where it

936
00:48:09,719 --> 00:48:07,869
all gelled I will say that I've said

937
00:48:12,870 --> 00:48:09,729
this before there was one day I actually

938
00:48:15,209 --> 00:48:12,880

can pinpoint when it was the summer

939

00:48:18,509 --> 00:48:15,219

early summer 1969 it was a very

940

00:48:21,719 --> 00:48:18,519

beautiful day and there was a place

941

00:48:23,849 --> 00:48:21,729

called Flying Cloud Airport south east

942

00:48:26,390 --> 00:48:23,859

of Minneapolis and it was on bluffs

943

00:48:28,610 --> 00:48:26,400

overlooking the Minnesota River Valley

944

00:48:30,800 --> 00:48:28,620

and there was a concert out there one

945

00:48:32,360 --> 00:48:30,810

Saturday or Sunday free they used to

946

00:48:35,180 --> 00:48:32,370

have free concerts out there and I would

947

00:48:36,650 --> 00:48:35,190

go out there and and enjoy the music and

948

00:48:39,790 --> 00:48:36,660

one day I guess it was a break in the

949

00:48:42,590 --> 00:48:39,800

music I wandered away from the from the

950

00:48:44,330 --> 00:48:42,600

area where the the audience was gathered

951
00:48:47,530 --> 00:48:44,340
and I wandered probably two three four

952
00:48:50,120 --> 00:48:47,540
hundred yards over to this to the

953
00:48:52,220 --> 00:48:50,130
perimeter of these Bluffs that looked

954
00:48:54,200 --> 00:48:52,230
down over the Minnesota River Valley and

955
00:48:56,780 --> 00:48:54,210
I remember standing there for a long

956
00:48:58,340 --> 00:48:56,790
time during this break into music just

957
00:49:01,010 --> 00:48:58,350
looking out over the valley and this is

958
00:49:02,780 --> 00:49:01,020
what I saw on the far side of the valley

959
00:49:05,690 --> 00:49:02,790
which I now know was about four miles

960
00:49:07,880 --> 00:49:05,700
distant I saw set of Bluffs that were

961
00:49:10,070 --> 00:49:07,890
sort of the matching set of Bluffs that

962
00:49:12,440 --> 00:49:10,080
I was standing on right I'm looking to

963
00:49:15,170 --> 00:49:12,450

the south because here the river is

964

00:49:18,770 --> 00:49:15,180

running east to west down below I see

965

00:49:22,490 --> 00:49:18,780

the little the ribbon of the modern

966

00:49:25,010 --> 00:49:22,500

Minnesota River and it's minuscule

967

00:49:28,100 --> 00:49:25,020

obviously compared to this big channel

968

00:49:29,480 --> 00:49:28,110

it's four miles wide yet it had the same

969

00:49:31,880 --> 00:49:29,490

appearance I could see that there were

970

00:49:34,190 --> 00:49:31,890

Bluffs on either side of the Minnesota

971

00:49:35,870 --> 00:49:34,200

River which is you know not a Little

972

00:49:37,990 --> 00:49:35,880

River it's it's a medium-sized River

973

00:49:40,460 --> 00:49:38,000

it's a it's got a healthy flow but I

974

00:49:44,180 --> 00:49:40,470

remember seeing that and getting this

975

00:49:48,020 --> 00:49:44,190

sense that I was looking at a bigger a

976

00:49:50,570 --> 00:49:48,030

giant version of what I was seeing in

977

00:49:52,070 --> 00:49:50,580

terms of the the river below when I was

978

00:49:53,870 --> 00:49:52,080

looking at the banks and seeing those

979

00:49:57,050 --> 00:49:53,880

banks how they correspond it to these

980

00:50:01,460 --> 00:49:57,060

two bluffs and I thought is it possible

981

00:50:03,530 --> 00:50:01,470

that this is a giant river valley and

982

00:50:05,270 --> 00:50:03,540

that was just again one of those things

983

00:50:08,780 --> 00:50:05,280

stuck in the back of my craw well right

984

00:50:11,000 --> 00:50:08,790

but ten years eleven years later I had

985

00:50:13,010 --> 00:50:11,010

started studying geometry I've been

986

00:50:15,230 --> 00:50:13,020

because as a builder I got very

987

00:50:18,350 --> 00:50:15,240

interested in geometry and architecture

988

00:50:20,270 --> 00:50:18,360

and how other cultures and ancient

989

00:50:23,570 --> 00:50:20,280

peoples how they build things how they

990

00:50:26,170 --> 00:50:23,580

design things so as I was getting into

991

00:50:29,960 --> 00:50:26,180

all of that I kept running across this

992

00:50:32,600 --> 00:50:29,970

same patterns of symbology and and

993

00:50:33,500 --> 00:50:32,610

meaning encoded in ancient structures

994

00:50:36,380 --> 00:50:33,510

all over the world

995

00:50:38,380 --> 00:50:36,390

and one of the things that I that I

996

00:50:40,220 --> 00:50:38,390

realized as I began to study the

997

00:50:41,990 --> 00:50:40,230

methodology behind

998

00:50:45,170 --> 00:50:42,000

the building of the Gothic cathedrals

999

00:50:46,880 --> 00:50:45,180

the building of the Mayan structures and

1000

00:50:50,539 --> 00:50:46,890

how they laid out their cities and their

1001
00:50:52,849 --> 00:50:50,549
temples the Greek temples the systems of

1002
00:50:55,460 --> 00:50:52,859
geometry they used was that there was

1003
00:50:58,720 --> 00:50:55,470
this there is a principle called scale

1004
00:51:01,190 --> 00:50:58,730
invariance now what that means is in

1005
00:51:03,079 --> 00:51:01,200
architecture it means that the part

1006
00:51:05,089 --> 00:51:03,089
reflects the whole that there's a

1007
00:51:07,069 --> 00:51:05,099
proportional constant between

1008
00:51:08,930 --> 00:51:07,079
the piece of the thing and the whole of

1009
00:51:11,240 --> 00:51:08,940
the thing right and this this is the

1010
00:51:15,950 --> 00:51:11,250
basis of harmony in architecture and art

1011
00:51:17,599 --> 00:51:15,960
is this this this method of linking the

1012
00:51:20,150 --> 00:51:17,609
whole with the part because there's this

1013
00:51:21,829 --> 00:51:20,160

constant of proportionality there what

1014

00:51:25,400 --> 00:51:21,839

that means is that if you took the part

1015

00:51:27,380 --> 00:51:25,410

and you enlarge it you blew it up it

1016

00:51:29,299 --> 00:51:27,390

could read it could duplicate the

1017

00:51:31,460 --> 00:51:29,309

pattern or the geometry or the

1018

00:51:34,039 --> 00:51:31,470

proportions of the whole right this is

1019

00:51:36,319 --> 00:51:34,049

scale invariance so that no matter what

1020

00:51:39,319 --> 00:51:36,329

scale you're looking at it's the same

1021

00:51:41,690 --> 00:51:39,329

idea behind fractals is it regardless of

1022

00:51:42,260 --> 00:51:41,700

the scale the pattern appears the same

1023

00:51:45,829 --> 00:51:42,270

right

1024

00:51:48,650 --> 00:51:45,839

well this principle is also very

1025

00:51:51,470 --> 00:51:48,660

important in geology in particular in

1026

00:51:53,270 --> 00:51:51,480

particularly in fluvial geomorphology

1027

00:51:55,309 --> 00:51:53,280

which looks at the patterns of

1028

00:51:58,670 --> 00:51:55,319

landscapes that are created and sculpted

1029

00:52:01,750 --> 00:51:58,680

by water right so the principle of scale

1030

00:52:04,309 --> 00:52:01,760

and variance I discovered was in

1031

00:52:07,010 --> 00:52:04,319

embedded in the principles of ancient

1032

00:52:08,870 --> 00:52:07,020

architectural design right well it's

1033

00:52:11,180 --> 00:52:08,880

also embedded in the natural world

1034

00:52:13,309 --> 00:52:11,190

because I'll give you a practical

1035

00:52:15,589 --> 00:52:13,319

example anybody can pick up a textbook

1036

00:52:17,390 --> 00:52:15,599

on geology right you open it up and you

1037

00:52:20,180 --> 00:52:17,400

start looking at the photographs you'll

1038

00:52:22,490 --> 00:52:20,190

always see something in the photograph

1039

00:52:25,490 --> 00:52:22,500

it might be a person standing there it

1040

00:52:28,309 --> 00:52:25,500

might be a pic it's placed in there

1041

00:52:30,680 --> 00:52:28,319

might be the geologist hat place but

1042

00:52:33,109 --> 00:52:30,690

there's something put in the picture for

1043

00:52:34,910 --> 00:52:33,119

scale right because if you take that out

1044

00:52:36,740 --> 00:52:34,920

you go wait a second am I looking at a

1045

00:52:39,829 --> 00:52:36,750

rock outcrop here that's three feet high

1046

00:52:43,640 --> 00:52:39,839

or 300 feet high hmm you don't know that

1047

00:52:46,789 --> 00:52:43,650

scale invariance so I was actually I

1048

00:52:50,319 --> 00:52:46,799

think it was 1979 1980 I was giving a

1049

00:52:53,059 --> 00:52:50,329

lecture on on the principles of

1050

00:52:53,960 --> 00:52:53,069

architecture as I had understood them at

1051

00:52:56,420 --> 00:52:53,970

that time and how

1052

00:53:00,320 --> 00:52:56,430

this concept of scale and variance was

1053

00:53:03,410 --> 00:53:00,330

so important in in so many examples of

1054

00:53:06,980 --> 00:53:03,420

ancient architecture right so then I

1055

00:53:08,839 --> 00:53:06,990

cited as an example to show comparison

1056

00:53:11,440 --> 00:53:08,849

well yes so just as we have scale

1057

00:53:14,210 --> 00:53:11,450

invariance in architecture in ancient

1058

00:53:17,570 --> 00:53:14,220

principles of design and art we also

1059

00:53:20,800 --> 00:53:17,580

have it in geology and I cited the

1060

00:53:22,880 --> 00:53:20,810

example of standing on the bluffs

1061

00:53:26,000 --> 00:53:22,890

looking out at the Minnesota River

1062

00:53:28,339 --> 00:53:26,010

Valley seeing this giant channel in

1063

00:53:30,470 --> 00:53:28,349

thinking that the giant channel and the

1064

00:53:33,020 --> 00:53:30,480

small channel that the modern Minnesota

1065

00:53:35,300 --> 00:53:33,030

River flowed in were was an example of

1066

00:53:38,990 --> 00:53:35,310

scale and variance and that just as the

1067

00:53:40,970 --> 00:53:39,000

small river with two banks there was a

1068

00:53:42,380 --> 00:53:40,980

giant River and I basically explained

1069

00:53:46,609 --> 00:53:42,390

this and there was a guy in the audience

1070

00:53:48,260 --> 00:53:46,619

who had had a degree in geology and he

1071

00:53:50,030 --> 00:53:48,270

stood up or raised his hand or whatever

1072

00:53:52,339 --> 00:53:50,040

and he challenged me and said no no no

1073

00:53:54,980 --> 00:53:52,349

no no we know that those are formed over

1074

00:53:58,609 --> 00:53:54,990

millions of years of erosion brother and

1075

00:54:01,430 --> 00:53:58,619

I I was like well I have to think his

1076

00:54:03,320 --> 00:54:01,440

name was John I said well John I I'm you

1077

00:54:07,040 --> 00:54:03,330

know I'm reasonably confident that I'm

1078

00:54:09,680 --> 00:54:07,050

right here but I couldn't really defend

1079

00:54:13,339 --> 00:54:09,690

why I knew I was right I just had such a

1080

00:54:15,230 --> 00:54:13,349

strong instinctive sense that that I was

1081

00:54:17,540 --> 00:54:15,240

right but what it did it pissed me off

1082

00:54:20,089 --> 00:54:17,550

enough that I actually went and enrolled

1083

00:54:22,940 --> 00:54:20,099

in a formal geology course and began

1084

00:54:26,990 --> 00:54:22,950

studying geology really formally and and

1085

00:54:28,880 --> 00:54:27,000

and of course now later on I realized of

1086

00:54:31,520 --> 00:54:28,890

course that I was right and he was wrong

1087

00:54:33,280 --> 00:54:31,530

and in fact geologists had made a study

1088

00:54:36,200 --> 00:54:33,290

of that and they called it River Warren

1089

00:54:38,660 --> 00:54:36,210

and it was caused by the outburst of

1090

00:54:41,960 --> 00:54:38,670

glacial Lake Agassiz which was a pro

1091

00:54:44,270 --> 00:54:41,970

glacial lake which busted out if anybody

1092

00:54:46,820 --> 00:54:44,280

looks at a map of Minnesota you'll see

1093

00:54:49,640 --> 00:54:46,830

on the western boundary of Minnesota

1094

00:54:53,150 --> 00:54:49,650

there's a bump this bump about halfway

1095

00:54:55,040 --> 00:54:53,160

up that bump was the Chandler was

1096

00:54:58,190 --> 00:54:55,050

initially cut by the draining of this

1097

00:55:00,950 --> 00:54:58,200

gigantic Pro glacial Lake and when that

1098

00:55:03,079 --> 00:55:00,960

water drained down it cut the Minnesota

1099

00:55:06,170 --> 00:55:03,089

River Valley and created what the

1100

00:55:07,730 --> 00:55:06,180

geologists who have studied it glacial

1101
00:55:10,310 --> 00:55:07,740
River Warren

1102
00:55:14,240 --> 00:55:10,320
their estimated peak discharge puts it

1103
00:55:16,490 --> 00:55:14,250
at 4,000 times greater than the modern

1104
00:55:18,770 --> 00:55:16,500
flood stage of the Minnesota River can

1105
00:55:20,900 --> 00:55:18,780
you know this is all we gotta take a

1106
00:55:24,170 --> 00:55:20,910
break right here but this is what this

1107
00:55:27,880 --> 00:55:24,180
is when I think about this is the

1108
00:55:31,540 --> 00:55:27,890
violence right can you imagine how crazy

1109
00:55:34,400 --> 00:55:31,550
violent it was when it was going down

1110
00:55:37,400 --> 00:55:34,410
that's what I do Jimmy I imagine that

1111
00:55:39,830 --> 00:55:37,410
yeah and I've got to take a break right

1112
00:55:45,800 --> 00:55:39,840
here but two points I want to go back

1113
00:55:48,950 --> 00:55:45,810

and address with you one I had it was an

1114

00:55:51,140 --> 00:55:48,960

eighth grade I had a teacher make this

1115

00:55:54,230 --> 00:55:51,150

quick I to teach her Indiana history was

1116

00:55:56,540 --> 00:55:54,240

the class and imagined this he was

1117

00:55:58,280 --> 00:55:56,550

probably 60 years old you know I'm just

1118

00:56:00,230 --> 00:55:58,290

a little kid in the middle of the 70s

1119

00:56:03,650 --> 00:56:00,240

and he goes now

1120

00:56:07,070 --> 00:56:03,660

Indiana is flat until Brown County where

1121

00:56:10,580 --> 00:56:07,080

the hill start because above you was two

1122

00:56:14,840 --> 00:56:10,590

miles of ice right that that fine I just

1123

00:56:17,510 --> 00:56:14,850

he he changed my life Randall I had to

1124

00:56:21,320 --> 00:56:17,520

sit there and think about two miles of

1125

00:56:24,560 --> 00:56:21,330

ice above my head Indianapolis there was

1126

00:56:27,859 --> 00:56:24,570

that and then just like you and then

1127

00:56:30,920 --> 00:56:27,869

when I was about 21 years old I went out

1128

00:56:32,599 --> 00:56:30,930

to the desert with a friend here in

1129

00:56:35,090 --> 00:56:32,609

Southern California and he looks really

1130

00:56:38,710 --> 00:56:35,100

ghosts now see all of those see of all

1131

00:56:42,140 --> 00:56:38,720

of those Peaks around us those were all

1132

00:56:45,940 --> 00:56:42,150

islands at one point this was all water

1133

00:56:49,220 --> 00:56:45,950

and up there you know and I I just

1134

00:56:51,650 --> 00:56:49,230

visualized that for a second and you

1135

00:56:53,359 --> 00:56:51,660

drive around the United States and you

1136

00:56:55,300 --> 00:56:53,369

go through New Mexico or you go through

1137

00:56:59,120 --> 00:56:55,310

these parts where you see all of these

1138

00:57:03,859 --> 00:56:59,130

all of this geology and you realize that

1139

00:57:05,750 --> 00:57:03,869

at one point those were Islands you know

1140

00:57:08,030 --> 00:57:05,760

just like in Minnesota where you're

1141

00:57:10,370 --> 00:57:08,040

talking about there too as well it's a

1142

00:57:12,530 --> 00:57:10,380

crazy world that we live in and to go

1143

00:57:14,450 --> 00:57:12,540

back and contemplate it instead of

1144

00:57:16,220 --> 00:57:14,460

ignoring it I think that is one of the

1145

00:57:18,750 --> 00:57:16,230

coolest things that we can do is go back

1146

00:57:20,750 --> 00:57:18,760

in and figure out why because

1147

00:57:26,450 --> 00:57:20,760

it was a violent change at one point

1148

00:57:28,290 --> 00:57:26,460

violent life-changing cataclysmic events

1149

00:57:31,350 --> 00:57:28,300

absolutely yeah

1150

00:57:33,330 --> 00:57:31,360

you can't exaggerate it at all you can't

1151
00:57:34,800 --> 00:57:33,340
the violence was must have been

1152
00:57:37,680 --> 00:57:34,810
incredible let's take a break right here

1153
00:57:41,220 --> 00:57:37,690
and and I just think about the melting

1154
00:57:44,730 --> 00:57:41,230
ice and and those changes those glaciers

1155
00:57:46,950 --> 00:57:44,740
went somewhere and when they Randall

1156
00:57:51,000 --> 00:57:46,960
when they went somewhere something else

1157
00:57:52,500 --> 00:57:51,010
disappeared that's a crazy crazy concept

1158
00:57:54,840 --> 00:57:52,510
this is fade to black our guest tonight

1159
00:57:56,760 --> 00:57:54,850
Randall Carlson tonight is the

1160
00:57:58,560 --> 00:57:56,770
conversation I'm your host Jimmy Church

1161
00:58:00,780 --> 00:57:58,570
we're gonna pick up where we left off

1162
00:58:02,250 --> 00:58:00,790
when we come back our guest is Randall

1163
00:58:08,470 --> 00:58:02,260

Carlson stay with us

1164

00:58:09,870 --> 00:58:08,480

[Music]

1165

00:58:16,420 --> 00:58:09,880

[Applause]

1166

00:58:21,640 --> 00:58:19,130

this is fade to black with Jimmy Church

1167

00:58:27,199 --> 00:58:21,650

on the game changer radio network and

1168

00:58:29,689 --> 00:58:27,209

kgr a the global radio alliance this is

1169

00:58:33,189 --> 00:58:29,699

kg are a digital broadcasting station

1170

00:58:35,809 --> 00:58:33,199

Salt Lake City Utah Van Buren Arkansas

1171

00:58:39,380 --> 00:58:35,819

folks this is very important information

1172

00:58:42,259 --> 00:58:39,390

what's to be said about CBD ancient life

1173

00:58:45,259 --> 00:58:42,269

oil calm our CBD is made from hemp and

1174

00:58:47,870 --> 00:58:45,269

has Oh point zero zero three THC which

1175

00:58:50,390 --> 00:58:47,880

means this wonderful product won't get

1176
00:58:53,239 --> 00:58:50,400
you high no matter what amount you take

1177
00:58:56,180 --> 00:58:53,249
what a CBD do for the body my hands are

1178
00:58:58,459 --> 00:58:56,190
tied but you can Google CBD benefits and

1179
00:59:00,769 --> 00:58:58,469
be astounded when you're finished

1180
00:59:03,079 --> 00:59:00,779
reading you'll want to log on to ancient

1181
00:59:06,079 --> 00:59:03,089
life oil calm that's ancient life oil

1182
00:59:08,120 --> 00:59:06,089
calm and purchase life is good when you

1183
00:59:10,189 --> 00:59:08,130
feel good people are tired of pain

1184
00:59:13,069 --> 00:59:10,199
people are asking for non-gmo organic

1185
00:59:15,769 --> 00:59:13,079
products to help them with you fill in

1186
00:59:18,019 --> 00:59:15,779
the blank legal in 49 states and again

1187
00:59:20,839 --> 00:59:18,029
our CBD is made from hemp ancient life

1188
00:59:21,739 --> 00:59:20,849

oil is about helping people one by one

1189

00:59:23,239 --> 00:59:21,749

by one

1190

00:59:26,630 --> 00:59:23,249

if you wonder how good the product is

1191

00:59:29,089 --> 00:59:26,640

the CEO takes it every day without miss

1192

00:59:38,620 --> 00:59:29,099

ancient life oil calm that's ancient

1193

00:59:43,130 --> 00:59:41,270

hi this is Ray sobs here reppin the

1194

00:59:46,130 --> 00:59:43,140

planet and you're listening to my good

1195

00:59:48,680 --> 00:59:46,140

friend Jimmy Church fade to black

1196

00:59:53,240 --> 00:59:48,690

on the GameChanger network and the kgr a

1197

00:59:55,400 --> 00:59:53,250

digital broadcast station this is Toby

1198

01:00:16,640 --> 00:59:55,410

Kebbell you're listening to Jimmy Church

1199

01:00:19,430 --> 01:00:16,650

radio.com reclaim your active lifestyle

1200

01:00:21,470 --> 01:00:19,440

with NGO Prem NGO print is the original

1201

01:00:23,540 --> 01:00:21,480

liquid oral chelation supplement

1202

01:00:25,700 --> 01:00:23,550

chelation helps remove toxins heavy

1203

01:00:27,500 --> 01:00:25,710

metals and cholesterol in your veins and

1204

01:00:29,360 --> 01:00:27,510

arteries that can cause blockages

1205

01:00:31,220 --> 01:00:29,370

scientific research proves the active

1206

01:00:33,520 --> 01:00:31,230

ingredient in angio primp has superior

1207

01:00:35,870 --> 01:00:33,530

oral chelation action that helps promote

1208

01:00:37,970 --> 01:00:35,880

cardiovascular health find out more go

1209

01:00:40,100 --> 01:00:37,980

to NGO print comm talk to a trained

1210

01:00:42,200 --> 01:00:40,110

consultant by calling angio priem toll

1211

01:00:45,440 --> 01:00:42,210

free eight seven seven eighty two

1212

01:00:46,790 --> 01:00:45,450

seventy two twenty one this is Jimmy

1213

01:00:49,250 --> 01:00:46,800

Church of fade to black and you can

1214

01:00:52,190 --> 01:00:49,260

become an official fader not by just

1215

01:00:53,720 --> 01:00:52,200

going to our membership section at Jimmy

1216

01:00:56,270 --> 01:00:53,730

Church radio.com

1217

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

hey it's grace can we talk about

1218

01:01:01,310 --> 01:00:58,290

something serious for a minute your age

1219

01:01:03,770 --> 01:01:01,320

getting old has its perks but remember

1220

01:01:05,750 --> 01:01:03,780

being a few years younger you know your

1221

01:01:07,580 --> 01:01:05,760

hair was thicker you didn't have so many

1222

01:01:09,500 --> 01:01:07,590

wrinkles that extra weight wasn't

1223

01:01:11,750 --> 01:01:09,510

haunting you and you just felt better

1224

01:01:14,420 --> 01:01:11,760

well we can't turn back the clocks and

1225

01:01:16,730 --> 01:01:14,430

go back 10 or 15 years but you can start

1226

01:01:19,610 --> 01:01:16,740

feeling and looking 10 or 15 years

1227

01:01:21,590 --> 01:01:19,620

younger with nature's youth RSF it's a

1228

01:01:23,240 --> 01:01:21,600

doctor formulated daily supplement that

1229

01:01:24,910 --> 01:01:23,250

helps your body maintain its peak

1230

01:01:27,500 --> 01:01:24,920

performance and fight the aging process

1231

01:01:28,820 --> 01:01:27,510

imagine sleeping better looking better

1232

01:01:31,370 --> 01:01:28,830

and feeling better

1233

01:01:33,290 --> 01:01:31,380

see how Nature's youth RSF has helped

1234

01:01:35,960 --> 01:01:33,300

thousands of people just like you at

1235

01:01:37,760 --> 01:01:35,970

nature's youth calm nature's youth calm

1236

01:01:39,350 --> 01:01:37,770

imagine how it will feel when your

1237

01:01:41,780 --> 01:01:39,360

family and friends are asking you what

1238

01:01:44,390 --> 01:01:41,790

you did to look so good your secret will

1239

01:01:46,640 --> 01:01:44,400

be nature's youth RSF it's time to start

1240

01:01:48,770 --> 01:01:46,650

looking better and feeling better learn

1241

01:01:50,990 --> 01:01:48,780

more in order your nature's use RSS at

1242

01:01:51,990 --> 01:01:51,000

nature's youth calm that's nature's

1243

01:01:57,900 --> 01:01:52,000

youth

1244

01:02:00,089 --> 01:01:57,910

Serena right Kayla from conscious life

1245

01:02:02,430 --> 01:02:00,099

Expo and you're listening to fade to

1246

01:02:04,170 --> 01:02:02,440

black with Jimmy Church who holds the

1247

01:02:08,930 --> 01:02:04,180

lucky pony record for the best

1248

01:02:11,460 --> 01:02:08,940

astrological chart since 1963 true story

1249

01:02:13,050 --> 01:02:11,470

this is Micah Hank's of the gray lien

1250

01:02:15,390 --> 01:02:13,060

report and you're listening to Jimmy

1251

01:02:17,490 --> 01:02:15,400

church on fade to black across the globe

1252

01:02:20,640 --> 01:02:17,500

on the GameChanger radio network and the

1253

01:02:33,750 --> 01:02:20,650

one and only kgr a radio the planet

1254

01:02:33,760 --> 01:02:40,220

[Music]

1255

01:02:45,530 --> 01:02:42,290

welcome back fade to black coming out to

1256

01:02:50,690 --> 01:02:45,540

me Church you can follow me on twitter @

1257

01:02:53,380 --> 01:02:50,700

JT radio follow Randall at sacred

1258

01:02:57,020 --> 01:02:53,390

geometry International I think it's int

1259

01:02:59,660 --> 01:02:57,030

it's right there on Twitter talking

1260

01:03:01,190 --> 01:02:59,670

about everything tonight and Randall I

1261

01:03:03,140 --> 01:03:01,200

want to pick up what we left off and

1262

01:03:06,940 --> 01:03:03,150

kind of dovetail into two different

1263

01:03:11,060 --> 01:03:06,950

subjects and into this next segment and

1264

01:03:15,579 --> 01:03:11,070

one of them is this I want to start here

1265

01:03:19,460 --> 01:03:15,589

why is it that and this is your opinion

1266

01:03:21,589 --> 01:03:19,470

why is it that North America and this

1267

01:03:24,500 --> 01:03:21,599

continent you can even include South

1268

01:03:27,170 --> 01:03:24,510

America but North America is ignored

1269

01:03:30,349 --> 01:03:27,180

when it comes to ancient history in

1270

01:03:32,390 --> 01:03:30,359

history everybody else is concerned with

1271

01:03:33,980 --> 01:03:32,400

everything else on this planet but

1272

01:03:38,500 --> 01:03:33,990

nobody wants to talk about us

1273

01:03:41,599 --> 01:03:38,510

but you why is that well I dare to say

1274

01:03:43,609 --> 01:03:41,609

not only me but Graham's new book coming

1275

01:03:46,099 --> 01:03:43,619

out Graham Hancock's new book is America

1276

01:03:49,190 --> 01:03:46,109

before and so he is trying to address

1277

01:03:50,960 --> 01:03:49,200

that deficiency as we speak and I think

1278

01:03:52,700 --> 01:03:50,970

his new book will go a long way towards

1279

01:03:54,710 --> 01:03:52,710

that so I want to definitely throw out

1280

01:03:57,559 --> 01:03:54,720

an endorsement for that but it's a very

1281

01:04:00,470 --> 01:03:57,569

good question and one of the reasons I

1282

01:04:02,150 --> 01:04:00,480

think that that occurs are you there I'm

1283

01:04:03,650 --> 01:04:02,160

here I'm listening to you okay

1284

01:04:07,130 --> 01:04:03,660

yeah sounded like my line went dead for

1285

01:04:08,900 --> 01:04:07,140

a second okay sorry deep here's the

1286

01:04:11,210 --> 01:04:08,910

thing if we look at the trend of modern

1287

01:04:13,490 --> 01:04:11,220

history we kind of see that civilization

1288

01:04:16,040 --> 01:04:13,500

kind of branches out from certain

1289

01:04:18,530 --> 01:04:16,050

epicenters you know the Middle East

1290

01:04:20,000 --> 01:04:18,540

being one of the the big ones earlier

1291

01:04:22,910 --> 01:04:20,010

than that you know the east central

1292

01:04:24,950 --> 01:04:22,920

highlands of Africa being another zone

1293

01:04:28,069 --> 01:04:24,960

where it appears that you know hominid

1294

01:04:30,200 --> 01:04:28,079

species branched out we don't see such a

1295

01:04:33,290 --> 01:04:30,210

thing in North America North America was

1296

01:04:36,079 --> 01:04:33,300

called the new world right because it

1297

01:04:39,050 --> 01:04:36,089

was being rediscovered well that whole

1298

01:04:41,569 --> 01:04:39,060

paradigm is being completely overturned

1299

01:04:43,640 --> 01:04:41,579

because we're realizing that the story

1300

01:04:46,700 --> 01:04:43,650

of what went on here goes back much much

1301

01:04:48,680 --> 01:04:46,710

further on you know last fall I had the

1302

01:04:51,680 --> 01:04:48,690

opportunity to spend a couple of days

1303

01:04:53,780 --> 01:04:51,690

with Albert Goodyear who is the lead

1304

01:04:56,260 --> 01:04:53,790

archaeologist on the topper site

1305

01:04:58,610 --> 01:04:56,270

which is right along the savannah river

1306

01:05:00,920 --> 01:04:58,620

that separates North and South Carolina

1307

01:05:04,640 --> 01:05:00,930

or actually separates Georgia from South

1308

01:05:06,080 --> 01:05:04,650

Carolina right right and very

1309

01:05:09,100 --> 01:05:06,090

interesting what was going on there you

1310

01:05:11,960 --> 01:05:09,110

know he was a one of the principal art

1311

01:05:13,550 --> 01:05:11,970

archaeologists looking at the Clovis the

1312

01:05:15,860 --> 01:05:13,560

evidence for the Clovis culture you know

1313

01:05:19,550 --> 01:05:15,870

which was this short-lived culture that

1314

01:05:21,380 --> 01:05:19,560

appeared very suddenly around thirteen

1315

01:05:24,080 --> 01:05:21,390

thousand four hundred to thirteen

1316

01:05:28,330 --> 01:05:24,090

thousand five hundred years ago were

1317

01:05:30,560 --> 01:05:28,340

very prominent left a very prolific

1318

01:05:33,680 --> 01:05:30,570

archaeological record in terms of their

1319

01:05:36,820 --> 01:05:33,690

their debe ties their toolkits their

1320

01:05:39,470 --> 01:05:36,830

their spear points and so on and then

1321

01:05:41,300 --> 01:05:39,480

and suddenly as they appeared they

1322

01:05:43,370 --> 01:05:41,310

disappeared right around twelve thousand

1323

01:05:46,370 --> 01:05:43,380

nine hundred years ago quarries that had

1324

01:05:49,520 --> 01:05:46,380

been actively mined for a half a

1325

01:05:52,310 --> 01:05:49,530

millennium were suddenly abandoned you

1326

01:05:55,300 --> 01:05:52,320

know village sites community sites where

1327

01:05:57,970 --> 01:05:55,310

they had lived were suddenly abandoned

1328

01:06:00,710 --> 01:05:57,980

radiocarbon dating shows that the

1329

01:06:02,750 --> 01:06:00,720

organic evidence of their presence all

1330

01:06:04,790 --> 01:06:02,760

suddenly just ceases right around twelve

1331

01:06:07,670 --> 01:06:04,800

thousand nine hundred now for a long

1332

01:06:10,820 --> 01:06:07,680

time Clovis was considered to be and it

1333

01:06:14,150 --> 01:06:10,830

was assumed to be the oldest culture in

1334

01:06:16,190 --> 01:06:14,160

North America in the traditional concept

1335

01:06:18,110 --> 01:06:16,200

was that they emigrated across the

1336

01:06:20,720 --> 01:06:18,120

bering land bridge which connected

1337

01:06:24,560 --> 01:06:20,730

siberia to alaska when sea levels were

1338

01:06:27,260 --> 01:06:24,570

lowered and before they rose and and

1339

01:06:31,460 --> 01:06:27,270

drowned the land bridge which was an

1340

01:06:34,640 --> 01:06:31,470

enormous lee huge tract of land people

1341

01:06:38,000 --> 01:06:34,650

don't realize that North America and

1342

01:06:41,480 --> 01:06:38,010

North East Asia were essentially one

1343

01:06:43,970 --> 01:06:41,490

landmass the Bering Land Bridge was

1344

01:06:46,850 --> 01:06:43,980

actually larger in area than the state

1345

01:06:49,610 --> 01:06:46,860

of Alaska so you know it's just it's

1346

01:06:51,530 --> 01:06:49,620

difficult to kind of comprehend that you

1347

01:06:53,630 --> 01:06:51,540

know North America and Asia were a

1348

01:06:56,150 --> 01:06:53,640

single landmass but they were during

1349

01:06:58,670 --> 01:06:56,160

whenever the ice grew and sea levels

1350

01:07:02,330 --> 01:06:58,680

dropped you know it exposed enormous

1351

01:07:05,930 --> 01:07:02,340

swaths of land along the peripheries of

1352

01:07:08,000 --> 01:07:05,940

the continents and in the case of the

1353

01:07:11,089 --> 01:07:08,010

continental shelves between

1354

01:07:13,490 --> 01:07:11,099

Alaska and Siberia it was vast enough

1355

01:07:16,760 --> 01:07:13,500

that it created this it exposed this

1356

01:07:20,120 --> 01:07:16,770

whole landscape that is now underwater

1357

01:07:22,730 --> 01:07:20,130

that's essentially now extinct but the

1358

01:07:25,990 --> 01:07:22,740

idea was that the Clovis people came

1359

01:07:28,460 --> 01:07:26,000

across during some interval when the ice

1360

01:07:30,710 --> 01:07:28,470

ameliorated enough that there was an

1361

01:07:33,710 --> 01:07:30,720

ice-free corridor not yet if you look at

1362

01:07:35,720 --> 01:07:33,720

a map of North America you had basically

1363

01:07:37,820 --> 01:07:35,730

two if I'm going to try to describe this

1364

01:07:40,010 --> 01:07:37,830

so that those who are listening can try

1365

01:07:41,660 --> 01:07:40,020

to get the picture you had two great ice

1366

01:07:44,330 --> 01:07:41,670

sheets over North America the biggest

1367

01:07:46,490 --> 01:07:44,340

one was centered more or less on Hudson

1368

01:07:48,950 --> 01:07:46,500

Bay and this is the one that reached up

1369

01:07:51,020 --> 01:07:48,960

to two miles in thickness and it was

1370

01:07:53,210 --> 01:07:51,030

called the Laurentide Ice Sheet and it

1371

01:07:56,990 --> 01:07:53,220

extended it's the one that extended down

1372

01:07:59,420 --> 01:07:57,000

into Indiana Ohio Illinois Minnesota and

1373

01:08:02,240 --> 01:07:59,430

it extended West all the way to Alberta

1374

01:08:03,890 --> 01:08:02,250

now you had a second ice sheet now I'll

1375

01:08:07,160 --> 01:08:03,900

say that the Laurentide ice sheet was

1376

01:08:08,570 --> 01:08:07,170

about the size of the Antarctic Ice

1377

01:08:11,089 --> 01:08:08,580

Sheet that now swaddles

1378

01:08:13,940 --> 01:08:11,099

the South Pole then you had the

1379

01:08:17,690 --> 01:08:13,950

Cordilleran ice sheet which which

1380

01:08:20,059 --> 01:08:17,700

flanked over the top of the Canadian

1381

01:08:23,180 --> 01:08:20,069

Rockies it was about in reached from

1382

01:08:25,999 --> 01:08:23,190

northern Washington state up to Alaska

1383

01:08:28,010 --> 01:08:26,009

now it was about the size of the ice cap

1384

01:08:30,410 --> 01:08:28,020

that now covers Greenland so you had

1385

01:08:33,140 --> 01:08:30,420

these two great ice sheets right at some

1386

01:08:35,660 --> 01:08:33,150

point as they grew they grew together so

1387

01:08:38,920 --> 01:08:35,670

there was no passageway between them but

1388

01:08:43,010 --> 01:08:38,930

in other times probably somewhere around

1389

01:08:45,200 --> 01:08:43,020

14,000 years ago when the cold deep cold

1390

01:08:47,690 --> 01:08:45,210

of the ice age began to ameliorate or

1391

01:08:50,090 --> 01:08:47,700

soften the ice sheets might have melted

1392

01:08:52,309 --> 01:08:50,100

back just enough to open up a corridor

1393

01:08:54,860 --> 01:08:52,319

between them so it was believed that the

1394

01:08:58,010 --> 01:08:54,870

Clovis people came down through this

1395

01:08:59,990 --> 01:08:58,020

corridor and then colonized North

1396

01:09:01,970 --> 01:09:00,000

America and eventually passed through

1397

01:09:04,249 --> 01:09:01,980

Central America and colonized South

1398

01:09:06,380 --> 01:09:04,259

America and in this model of course

1399

01:09:09,110 --> 01:09:06,390

there should be at least some hiatus

1400

01:09:11,809 --> 01:09:09,120

between their first arrival in North

1401
01:09:14,030 --> 01:09:11,819
America and their final appearance down

1402
01:09:16,849 --> 01:09:14,040
by Tierra del Fuego at the southern tip

1403
01:09:18,519 --> 01:09:16,859
of South America right so this group was

1404
01:09:21,780 --> 01:09:18,529
called the Clovis because of their

1405
01:09:24,090 --> 01:09:21,790
distinctive artifact right right

1406
01:09:26,039 --> 01:09:24,100
clovis for a long time was considered to

1407
01:09:29,160 --> 01:09:26,049
be the first the earliest Americans

1408
01:09:32,039 --> 01:09:29,170
right so back to dr. albert goodyear and

1409
01:09:34,559 --> 01:09:32,049
the topper site okay so he's excavating

1410
01:09:36,780 --> 01:09:34,569
a site which is one of many of about

1411
01:09:40,610 --> 01:09:36,790
fifty clovis sites that are now known

1412
01:09:44,550 --> 01:09:40,620
around north america and and north

1413
01:09:46,710 --> 01:09:44,560

mexico right so what he did and he

1414

01:09:49,920 --> 01:09:46,720

explained out well for a long time he

1415

01:09:52,530 --> 01:09:49,930

really never really looked below this

1416

01:09:55,440 --> 01:09:52,540

Clovis horizon as you would call it now

1417

01:09:58,620 --> 01:09:55,450

at this Clovis horizon there is there's

1418

01:10:00,270 --> 01:09:58,630

a very distinct layer showing up at

1419

01:10:03,600 --> 01:10:00,280

about half the Clovis sites in North

1420

01:10:05,940 --> 01:10:03,610

America it's been colloquially called

1421

01:10:09,450 --> 01:10:05,950

the black matte layer and I'll come back

1422

01:10:12,750 --> 01:10:09,460

to that black mysterious and important

1423

01:10:16,050 --> 01:10:12,760

black matte layer because what they

1424

01:10:18,270 --> 01:10:16,060

begin to notice was that wherever these

1425

01:10:21,270 --> 01:10:18,280

bled Clovis sites were and you had this

1426

01:10:23,610 --> 01:10:21,280

black matte layer below that black matte

1427

01:10:27,270 --> 01:10:23,620

layer you would find Clovis artifacts

1428

01:10:30,120 --> 01:10:27,280

but never above it so this became the

1429

01:10:31,550 --> 01:10:30,130

Clovis horizon well as further research

1430

01:10:34,320 --> 01:10:31,560

went on two other very interesting

1431

01:10:37,290 --> 01:10:34,330

correlations showed up one was there was

1432

01:10:40,200 --> 01:10:37,300

a massive climate spasm that occurred

1433

01:10:43,470 --> 01:10:40,210

precisely at the date of that black

1434

01:10:46,380 --> 01:10:43,480

matte layer that climate spasm is called

1435

01:10:49,560 --> 01:10:46,390

the younger driest boundary or there was

1436

01:10:51,540 --> 01:10:49,570

actually the pre boreal which was the

1437

01:10:53,870 --> 01:10:51,550

previous section that's the name of it

1438

01:10:56,760 --> 01:10:53,880

younger driest no I'm sorry not back up

1439

01:10:59,280 --> 01:10:56,770

balling allarod the balling allarod was

1440

01:11:03,390 --> 01:10:59,290

a period into towards the end of the Ice

1441

01:11:07,080 --> 01:11:03,400

Age when due to primarily astronomical

1442

01:11:09,630 --> 01:11:07,090

influences that deep cold of the Ice Age

1443

01:11:11,910 --> 01:11:09,640

begin to soften and it was this time

1444

01:11:13,770 --> 01:11:11,920

that the ice began to shrink back well

1445

01:11:15,600 --> 01:11:13,780

this had been going on for a couple of

1446

01:11:17,790 --> 01:11:15,610

thousand years so this was that period

1447

01:11:20,660 --> 01:11:17,800

of time when they were speculating that

1448

01:11:23,490 --> 01:11:20,670

that ice cream corridor opened up well

1449

01:11:25,800 --> 01:11:23,500

what happened was is right at the end of

1450

01:11:28,260 --> 01:11:25,810

this couple of thousand years of gradual

1451

01:11:30,630 --> 01:11:28,270

warming that warming was suddenly

1452

01:11:33,330 --> 01:11:30,640

interrupted at the Bolling a lurid

1453

01:11:34,860 --> 01:11:33,340

Younger Dryas boundary which was dated

1454

01:11:35,640 --> 01:11:34,870

at twelve thousand nine hundred years

1455

01:11:38,970 --> 01:11:35,650

ago and

1456

01:11:42,660 --> 01:11:38,980

was a massive rapid almost catastrophic

1457

01:11:44,580 --> 01:11:42,670

shift back into full glacial cold after

1458

01:11:48,750 --> 01:11:44,590

two to three thousand years of warming

1459

01:11:52,050 --> 01:11:48,760

right now that climate spasm coincided

1460

01:11:54,330 --> 01:11:52,060

precisely with this black matte layer

1461

01:11:56,850 --> 01:11:54,340

that marked the end of the Clovis

1462

01:11:59,550 --> 01:11:56,860

culture the other thing that correlated

1463

01:12:02,370 --> 01:11:59,560

with that was the fact that the great

1464

01:12:04,260 --> 01:12:02,380

megafauna that inhabited North America

1465

01:12:07,290 --> 01:12:04,270

for tens and for hundreds of thousands

1466

01:12:10,050 --> 01:12:07,300

of years it basically disappeared in an

1467

01:12:13,590 --> 01:12:10,060

eyeblink most of that disappearance

1468

01:12:15,450 --> 01:12:13,600

occurred right at that same boundary so

1469

01:12:18,620 --> 01:12:15,460

that typically they were finding the

1470

01:12:22,410 --> 01:12:18,630

remains of the extinct megafauna below

1471

01:12:25,470 --> 01:12:22,420

the black mat but not above it that's of

1472

01:12:28,020 --> 01:12:25,480

the book not the black mat is dated at

1473

01:12:32,600 --> 01:12:28,030

that magical number right ten thousand

1474

01:12:35,459 --> 01:12:32,610

five hundred ten thousand 900 BC yes

1475

01:12:37,530 --> 01:12:35,469

actually right that's exactly right now

1476

01:12:39,419 --> 01:12:37,540

this is an important date yes it is

1477

01:12:42,060 --> 01:12:39,429

we'll come back to that date oh yes very

1478

01:12:43,709 --> 01:12:42,070

important thank you it links links a lot

1479

01:12:46,470 --> 01:12:43,719

of things together

1480

01:12:48,479 --> 01:12:46,480

so anyways back to Albert Goodyear

1481

01:12:50,459 --> 01:12:48,489

with with this as a context I hope that

1482

01:12:52,110 --> 01:12:50,469

people didn't think I was just rambling

1483

01:12:54,600 --> 01:12:52,120

on I'm gonna get back to Albert Goodyear

1484

01:12:56,280 --> 01:12:54,610

in the topper site so he had been

1485

01:12:59,250 --> 01:12:56,290

studying the Clovis culture and it never

1486

01:13:00,510 --> 01:12:59,260

bothered to look beneath it right now at

1487

01:13:02,000 --> 01:13:00,520

the topper cited think that if I

1488

01:13:06,030 --> 01:13:02,010

remember right the Clovis culture

1489

01:13:08,669 --> 01:13:06,040

horizon there also at the topper site

1490

01:13:10,470 --> 01:13:08,679

along the Savannah River the black matte

1491

01:13:11,820 --> 01:13:10,480

layer doesn't really show up like it

1492

01:13:13,800 --> 01:13:11,830

does at some of the others like in the

1493

01:13:18,330 --> 01:13:13,810

southwest where it shows up real

1494

01:13:20,250 --> 01:13:18,340

conspicuously so anyways he said well

1495

01:13:21,840 --> 01:13:20,260

people kept asking him or what was below

1496

01:13:23,010 --> 01:13:21,850

it what was below it what was below it

1497

01:13:24,330 --> 01:13:23,020

and he said well he never bothered to

1498

01:13:26,729 --> 01:13:24,340

look because the assumption was that

1499

01:13:28,979 --> 01:13:26,739

there was nothing below it but then he

1500

01:13:31,770 --> 01:13:28,989

finally decided okay I just I'm gonna

1501

01:13:35,419 --> 01:13:31,780

take a look so he they dug down they

1502

01:13:38,040 --> 01:13:35,429

excavated about six feet down below the

1503

01:13:40,169 --> 01:13:38,050

Clovis layer and what do you think they

1504

01:13:42,120 --> 01:13:40,179

discovered they discovered more evidence

1505

01:13:45,840 --> 01:13:42,130

of cultural occupation they discovered

1506

01:13:49,260 --> 01:13:45,850

more fragments of tools of human

1507

01:13:54,830 --> 01:13:49,270

occupation that predated Clovis

1508

01:13:57,600 --> 01:13:54,840

predated clovis by nearly 40,000 years

1509

01:14:02,120 --> 01:13:57,610

now that's not the only site that's now

1510

01:14:05,340 --> 01:14:02,130

showing up evidence of much much earlier

1511

01:14:07,590 --> 01:14:05,350

occupation of North America but see this

1512

01:14:09,990 --> 01:14:07,600

gets us back to your question see here's

1513

01:14:12,210 --> 01:14:10,000

the thing you've got a picture laughs

1514

01:14:13,800 --> 01:14:12,220

around twelve thousand nine hundred year

1515

01:14:15,750 --> 01:14:13,810

center I'll say centered on twelve

1516

01:14:18,870 --> 01:14:15,760

thousand nine hundred years ago there

1517

01:14:22,200 --> 01:14:18,880

were a series of massive earth-shaking

1518

01:14:25,190 --> 01:14:22,210

convulsions that jerked the planet out

1519

01:14:28,260 --> 01:14:25,200

of the deep freeze of the Ice Age and

1520

01:14:30,720 --> 01:14:28,270

eliminated six or seven million cubic

1521

01:14:34,020 --> 01:14:30,730

miles of glacial ice off the continental

1522

01:14:36,990 --> 01:14:34,030

surfaces melted it rapidly returned it

1523

01:14:39,870 --> 01:14:37,000

into the ocean basins causing rapid sea

1524

01:14:43,140 --> 01:14:39,880

level rise and we still to this day

1525

01:14:44,940 --> 01:14:43,150

don't really understand what happened or

1526

01:14:47,520 --> 01:14:44,950

what was the sequence of events although

1527

01:14:49,680 --> 01:14:47,530

we're getting closer to understanding

1528

01:14:51,770 --> 01:14:49,690

because of things like that black mat

1529

01:14:55,350 --> 01:14:51,780

layer and the mysteries that it reveals

1530

01:14:57,810 --> 01:14:55,360

but the thing is is that here's what

1531

01:14:59,990 --> 01:14:57,820

you've got to understand when this

1532

01:15:03,210 --> 01:15:00,000

planet underwent the series of

1533

01:15:05,580 --> 01:15:03,220

catastrophes that brought the brought it

1534

01:15:09,780 --> 01:15:05,590

out of the Ice Age the epicentre of

1535

01:15:11,340 --> 01:15:09,790

those catastrophes was North America so

1536

01:15:13,560 --> 01:15:11,350

you got to let that sink in North

1537

01:15:16,260 --> 01:15:13,570

America for example lost the greatest

1538

01:15:19,260 --> 01:15:16,270

percentage of megafauna species South

1539

01:15:23,280 --> 01:15:19,270

America was very close behind but you

1540

01:15:25,560 --> 01:15:23,290

see when you say when you think Jimmy

1541

01:15:27,510 --> 01:15:25,570

when you say elephants today what do you

1542

01:15:29,250 --> 01:15:27,520

think of what place on earth do you

1543

01:15:34,710 --> 01:15:29,260

think of when you say elephant I think

1544

01:15:36,750 --> 01:15:34,720

of Africa Africa yes or if you might

1545

01:15:39,680 --> 01:15:36,760

even think of Indian yes yes

1546

01:15:42,240 --> 01:15:39,690

if we go back fifteen thousand years ago

1547

01:15:44,220 --> 01:15:42,250

now all elephants are called the

1548

01:15:46,080 --> 01:15:44,230

scientific term for elephants is Provo

1549

01:15:48,990 --> 01:15:46,090

city ins because of their long snow

1550

01:15:51,570 --> 01:15:49,000

right if we go back into the Ice Age

1551

01:15:51,930 --> 01:15:51,580

there were four species of Provo city

1552

01:15:54,570 --> 01:15:51,940

ins

1553

01:15:58,410 --> 01:15:54,580

or elephants that lived in North America

1554

01:16:00,570 --> 01:15:58,420

so that's very bizarre when you start

1555

01:16:02,430 --> 01:16:00,580

thinking about it you know you had three

1556

01:16:03,180 --> 01:16:02,440

species of mammoths he had the woolly

1557

01:16:04,590 --> 01:16:03,190

mammoth the

1558

01:16:08,700 --> 01:16:04,600

being mammoth and mammoth it's

1559

01:16:11,820 --> 01:16:08,710

imperatore and you had met the mastodons

1560

01:16:14,939 --> 01:16:11,830

and mammoth americana which was the

1561

01:16:16,950 --> 01:16:14,949

mastodons so all four species went

1562

01:16:20,970 --> 01:16:16,960

totally extinct right around the same

1563

01:16:22,500 --> 01:16:20,980

exact time so if you look at the loss of

1564

01:16:24,990 --> 01:16:22,510

species and bear this in mind when

1565

01:16:28,310 --> 01:16:25,000

you're looking at species loss you're

1566

01:16:31,800 --> 01:16:28,320

basically looking at habitat loss if in

1567

01:16:35,010 --> 01:16:31,810

certainly in the case of a let's say for

1568

01:16:36,840 --> 01:16:35,020

example a large volcanic eruption might

1569

01:16:39,720 --> 01:16:36,850

completely devastate everything in the

1570

01:16:41,729 --> 01:16:39,730

in the immediate region and whatever

1571

01:16:43,709 --> 01:16:41,739

animals might live there get completely

1572

01:16:46,110 --> 01:16:43,719

wiped out if it's on an island you may

1573

01:16:48,959 --> 01:16:46,120

have a case where all of the species of

1574

01:16:52,890 --> 01:16:48,969

that I of that animal on that island are

1575

01:16:55,800 --> 01:16:52,900

destroyed right well bear in mind that

1576

01:16:58,919 --> 01:16:55,810

for a species to go extinct you pretty

1577

01:17:01,680 --> 01:16:58,929

much have to you have to kill off every

1578

01:17:05,250 --> 01:17:01,690

single individual of that species think

1579

01:17:06,959 --> 01:17:05,260

about the American bison going back to

1580

01:17:11,250 --> 01:17:06,969

the turn of the century there was only a

1581

01:17:13,800 --> 01:17:11,260

few hundred bison left alive the species

1582

01:17:16,200 --> 01:17:13,810

came as close to extinction as you could

1583

01:17:20,610 --> 01:17:16,210

possibly go without actually becoming

1584

01:17:22,350 --> 01:17:20,620

extinct and then due to the to the you

1585

01:17:24,870 --> 01:17:22,360

know the involvement of some farsighted

1586

01:17:26,550 --> 01:17:24,880

individuals the species was saved it was

1587

01:17:28,379 --> 01:17:26,560

recovered and now of course you can go

1588

01:17:31,290 --> 01:17:28,389

into the supermarket and buy bison

1589

01:17:33,090 --> 01:17:31,300

burger so the species has completely

1590

01:17:36,470 --> 01:17:33,100

come back again not to the numbers that

1591

01:17:38,939 --> 01:17:36,480

it was once was but certainly way beyond

1592

01:17:40,830 --> 01:17:38,949

the threshold of extinction that it

1593

01:17:42,660 --> 01:17:40,840

found itself at you know just over a

1594

01:17:44,790 --> 01:17:42,670

hundred years ago right now here's the

1595

01:17:46,770 --> 01:17:44,800

thing if we were to look back you know

1596

01:17:48,840 --> 01:17:46,780

from a thousand or 2,000 years or

1597

01:17:51,419 --> 01:17:48,850

whatever in the future we might

1598

01:17:53,280 --> 01:17:51,429

completely miss the fact that the

1599

01:17:56,340 --> 01:17:53,290

American bison came within a hair's

1600

01:17:59,520 --> 01:17:56,350

breadth of extinction and unless we

1601

01:18:02,910 --> 01:17:59,530

focused right in on that exact date of

1602

01:18:05,910 --> 01:18:02,920

say late 18-hundreds early 1900 we

1603

01:18:09,120 --> 01:18:05,920

wouldn't see it right so if but if we go

1604

01:18:12,180 --> 01:18:09,130

back to 13,000 years ago what we see is

1605

01:18:15,149 --> 01:18:12,190

that half half literally half the great

1606

01:18:16,990 --> 01:18:15,159

megafauna species on earth disappeared

1607

01:18:20,200 --> 01:18:17,000

within a geological eye

1608

01:18:22,000 --> 01:18:20,210

link right now here to me where the

1609

01:18:25,810 --> 01:18:22,010

whole thing gets silly for many decades

1610

01:18:28,260 --> 01:18:25,820

it was believed that humans human

1611

01:18:31,030 --> 01:18:28,270

hunters were responsible for eliminating

1612

01:18:34,210 --> 01:18:31,040

for a causing the extinction of the

1613

01:18:36,250 --> 01:18:34,220

woolly mammoths right well woolly

1614

01:18:38,800 --> 01:18:36,260

mammoths was one one species of Probus

1615

01:18:41,170 --> 01:18:38,810

ideon but then there were giant ground

1616

01:18:43,150 --> 01:18:41,180

sloths multiple species of giant ground

1617

01:18:46,330 --> 01:18:43,160

sloths there were giant camels there

1618

01:18:48,280 --> 01:18:46,340

were horses there were giant armadillos

1619

01:18:50,800 --> 01:18:48,290

there was the cave bear the giant

1620

01:18:53,560 --> 01:18:50,810

short-faced bear you know the list goes

1621

01:18:55,720 --> 01:18:53,570

on and on and on elk with 12-foot

1622

01:18:58,000 --> 01:18:55,730

antlers spans and eight foot shoulder

1623

01:19:00,100 --> 01:18:58,010

Heights all of these animals went

1624

01:19:02,290 --> 01:19:00,110

extinct within a very short period of

1625

01:19:05,290 --> 01:19:02,300

time maybe just a few centuries or even

1626
01:19:07,990 --> 01:19:05,300
less what's interesting is most of those

1627
01:19:10,930 --> 01:19:08,000
extinctions occur right up beneath that

1628
01:19:12,970 --> 01:19:10,940
black mat layer so clearly that black

1629
01:19:14,380 --> 01:19:12,980
matte layer signifies something

1630
01:19:18,400 --> 01:19:14,390
important right

1631
01:19:21,810 --> 01:19:18,410
well back in 2007 Richard Firestone Alan

1632
01:19:23,830 --> 01:19:21,820
West James Cannon and another group of

1633
01:19:25,960 --> 01:19:23,840
scientists I think there's about 15 of

1634
01:19:28,330 --> 01:19:25,970
them published a paper where they had

1635
01:19:31,120 --> 01:19:28,340
gone in and examined the black mat layer

1636
01:19:32,650 --> 01:19:31,130
and what do you suppose they found what

1637
01:19:34,930 --> 01:19:32,660
they found was the fingerprints of a

1638
01:19:36,760 --> 01:19:34,940

cosmic event they found nano diamonds

1639

01:19:40,510 --> 01:19:36,770

they found microspheres they found

1640

01:19:42,280 --> 01:19:40,520

magnetic grains the and in in the

1641

01:19:47,340 --> 01:19:42,290

interim since 2007

1642

01:19:50,020 --> 01:19:47,350

since the interceding 11 years multiple

1643

01:19:52,600 --> 01:19:50,030

amounts of other evidence have been have

1644

01:19:55,180 --> 01:19:52,610

been found that confirms overwhelmingly

1645

01:19:58,600 --> 01:19:55,190

that there's something cosmic happened

1646

01:20:00,280 --> 01:19:58,610

now exactly what it was I don't know I

1647

01:20:02,710 --> 01:20:00,290

don't think they know I don't think that

1648

01:20:04,600 --> 01:20:02,720

they're willing to say definitively oh

1649

01:20:06,580 --> 01:20:04,610

it was this or that because there's

1650

01:20:08,440 --> 01:20:06,590

still a lot of mysterious aspects to

1651
01:20:11,020 --> 01:20:08,450
this whole event that happened well we

1652
01:20:12,850 --> 01:20:11,030
bring wait well let me I just have to

1653
01:20:17,410 --> 01:20:12,860
ask you an answer quickly what would

1654
01:20:20,230 --> 01:20:17,420
what would add diamonds to that mix lots

1655
01:20:21,880 --> 01:20:20,240
of heat and pressure tremendous man let

1656
01:20:24,760 --> 01:20:21,890
me tell you where you find nano diamonds

1657
01:20:28,780 --> 01:20:24,770
you find them in nature in two places

1658
01:20:30,670 --> 01:20:28,790
you find them in meteorites and you find

1659
01:20:33,970 --> 01:20:30,680
them in confirmed in

1660
01:20:37,810 --> 01:20:33,980
in Iraq in confirmed meteorite or

1661
01:20:39,370 --> 01:20:37,820
asteroid impact craters right the other

1662
01:20:42,550 --> 01:20:39,380
place where nano diamonds have been

1663
01:20:43,180 --> 01:20:42,560

found is in the testing sites of nuclear

1664

01:20:45,700 --> 01:20:43,190

weapons

1665

01:20:47,620 --> 01:20:45,710

hmm under the heat and pressure of a

1666

01:20:50,830 --> 01:20:47,630

nuclear weapon explosion like one

1667

01:20:52,300 --> 01:20:50,840

Megaton bomb exploding will create

1668

01:20:54,970 --> 01:20:52,310

enough heat and pressure that it

1669

01:20:57,610 --> 01:20:54,980

produces billions of these very tiny

1670

01:20:59,980 --> 01:20:57,620

nano diamonds it only show up under like

1671

01:21:03,010 --> 01:20:59,990

with electron microscopy but they're

1672

01:21:04,810 --> 01:21:03,020

extremely small and so those were the

1673

01:21:07,390 --> 01:21:04,820

three places that nano diamonds were

1674

01:21:09,040 --> 01:21:07,400

known to have come from right so now

1675

01:21:11,350 --> 01:21:09,050

what happens they find a layer of nano

1676

01:21:14,160 --> 01:21:11,360

diamonds at the base of the black matte

1677

01:21:17,680 --> 01:21:14,170

layer so what does that mean well it

1678

01:21:20,530 --> 01:21:17,690

obviously means some kind of some kind

1679

01:21:23,080 --> 01:21:20,540

of an event that involved tremendous

1680

01:21:29,370 --> 01:21:23,090

heat tremendous pressure no I have to

1681

01:21:32,560 --> 01:21:29,380

say that this idea was was attacked

1682

01:21:35,680 --> 01:21:32,570

vociferously by by a group of critics

1683

01:21:38,380 --> 01:21:35,690

that appointed themselves I would think

1684

01:21:40,990 --> 01:21:38,390

as inquisitors to suppress this heresy

1685

01:21:43,780 --> 01:21:41,000

that had come along that now potentially

1686

01:21:45,630 --> 01:21:43,790

would overturn the idea that humans were

1687

01:21:48,670 --> 01:21:45,640

responsible for the mass extinction

1688

01:21:54,820 --> 01:21:48,680

because many of the proponents or the

1689

01:21:57,550 --> 01:21:54,830

the the most severe critics of a cosmic

1690

01:22:00,130 --> 01:21:57,560

event were proponents of the human

1691

01:22:02,530 --> 01:22:00,140

caused a human cause form at the mass

1692

01:22:04,360 --> 01:22:02,540

extinction so they have been the ones

1693

01:22:06,640 --> 01:22:04,370

who have been primarily in the forefront

1694

01:22:09,760 --> 01:22:06,650

of attacking it but what has happened is

1695

01:22:11,950 --> 01:22:09,770

the original group of 15 has grown to be

1696

01:22:14,800 --> 01:22:11,960

over 50 scientists internationally now

1697

01:22:17,680 --> 01:22:14,810

many of them who came originally as

1698

01:22:19,870 --> 01:22:17,690

critics themselves but began to look at

1699

01:22:22,510 --> 01:22:19,880

the evidence and became converts and

1700

01:22:24,430 --> 01:22:22,520

said yes the evidence is here we see the

1701

01:22:28,030 --> 01:22:24,440

nano diamonds you know we've seen the

1702

01:22:30,430 --> 01:22:28,040

micro spiroes we've now found an iridium

1703

01:22:32,380 --> 01:22:30,440

spike we found a platinum spike right at

1704

01:22:34,690 --> 01:22:32,390

twelve thousand nine hundred in the

1705

01:22:37,090 --> 01:22:34,700

Greenland ice sheet now how do you get

1706

01:22:38,920 --> 01:22:37,100

all that platinum there is a really

1707

01:22:40,570 --> 01:22:38,930

interesting question but again platinum

1708

01:22:43,799 --> 01:22:40,580

is one of the platinum group metals

1709

01:22:46,500 --> 01:22:43,809

along with iridium and and

1710

01:22:49,319 --> 01:22:46,510

others ruthenium and others that

1711

01:22:52,649 --> 01:22:49,329

basically is delivered to earth via a

1712

01:22:55,829 --> 01:22:52,659

cosmic source such as comets or

1713

01:22:58,500 --> 01:22:55,839

asteroids so clearly the signature of

1714

01:23:00,089 --> 01:22:58,510

something is there but what it is it's

1715

01:23:02,099 --> 01:23:00,099

like I said at this point is still

1716

01:23:04,859 --> 01:23:02,109

unclear because there's many dimensions

1717

01:23:06,629 --> 01:23:04,869

to it and the whole I'll tell you Jimmy

1718

01:23:08,969 --> 01:23:06,639

the whole phenomena is really bizarre

1719

01:23:11,609 --> 01:23:08,979

and it's going to take a while I think

1720

01:23:14,129 --> 01:23:11,619

to really come to grips with what really

1721

01:23:15,629 --> 01:23:14,139

happened but it clearly involved some

1722

01:23:17,429 --> 01:23:15,639

kind of interaction between the earth

1723

01:23:20,279 --> 01:23:17,439

and the cosmos of that there can be no

1724

01:23:23,339 --> 01:23:20,289

doubt the epicenter of this of this

1725

01:23:25,770 --> 01:23:23,349

catastrophe was North America so

1726

01:23:27,089 --> 01:23:25,780

basically what the evidence of the rapid

1727

01:23:30,449 --> 01:23:27,099

disappearance of the Clovis culture

1728

01:23:32,339 --> 01:23:30,459

would suggest is that whatever was

1729

01:23:35,579 --> 01:23:32,349

happening here culturally was pretty

1730

01:23:40,049 --> 01:23:35,589

much erased and so the next 10,000 years

1731

01:23:44,729 --> 01:23:40,059

was basically surviving populations of

1732

01:23:48,719 --> 01:23:44,739

animals and societies recolonizing the

1733

01:23:51,329 --> 01:23:48,729

earth which had been basically wiped out

1734

01:23:54,299 --> 01:23:51,339

on many fronts North and South America

1735

01:23:56,189 --> 01:23:54,309

were the most severely affected North

1736

01:23:58,469 --> 01:23:56,199

America lost about three-quarters of its

1737

01:24:01,979 --> 01:23:58,479

megafauna species and South America was

1738

01:24:04,759 --> 01:24:01,989

was very close behind Eurasia lost about

1739

01:24:08,669 --> 01:24:04,769

one-third of its megafauna species

1740

01:24:12,659 --> 01:24:08,679

Africa only lost about 10% so Africa

1741

01:24:15,270 --> 01:24:12,669

apparently was in a zone that was not

1742

01:24:18,149 --> 01:24:15,280

severely affected as other areas because

1743

01:24:21,359 --> 01:24:18,159

most of the large animals in Africa

1744

01:24:23,459 --> 01:24:21,369

today are Pleistocene mammals so they

1745

01:24:25,559 --> 01:24:23,469

existed back during the Ice Age but

1746

01:24:28,859 --> 01:24:25,569

whereas North America and South America

1747

01:24:32,129 --> 01:24:28,869

lost their mega mammals or most of them

1748

01:24:34,679 --> 01:24:32,139

Africa preserved most of its so I think

1749

01:24:37,439 --> 01:24:34,689

that clearly implies that Africa at

1750

01:24:40,879 --> 01:24:37,449

least sections of Africa were a safe

1751

01:24:43,229 --> 01:24:40,889

haven of sorts now when you look at

1752

01:24:45,000 --> 01:24:43,239

megafauna species like what you see it

1753

01:24:47,489 --> 01:24:45,010

happening at the end of the last ice age

1754

01:24:49,979 --> 01:24:47,499

you basically see the top of the food

1755

01:24:52,139 --> 01:24:49,989

chain being decapitated right

1756

01:24:54,059 --> 01:24:52,149

it's the largest animals that are the

1757

01:24:57,430 --> 01:24:54,069

motion dramatically affected by these

1758

01:24:59,350 --> 01:24:57,440

changes and that makes sense

1759

01:25:01,300 --> 01:24:59,360

when you think about the fact that a

1760

01:25:04,480 --> 01:25:01,310

large animal requires a whole lot more

1761

01:25:06,340 --> 01:25:04,490

food you know if you got an elephant

1762

01:25:08,890 --> 01:25:06,350

that weighs five or six tons they need a

1763

01:25:12,520 --> 01:25:08,900

whole lot more food than a rabbit

1764

01:25:16,210 --> 01:25:12,530

obviously right so if you and they also

1765

01:25:18,460 --> 01:25:16,220

have longer times that they're young is

1766

01:25:20,800 --> 01:25:18,470

dependant before the young is old enough

1767

01:25:23,050 --> 01:25:20,810

to survive on its own right they also

1768

01:25:25,900 --> 01:25:23,060

have longer gestation times and longer

1769

01:25:28,450 --> 01:25:25,910

turnover times between generations so

1770

01:25:31,990 --> 01:25:28,460

all of those factors are going to be

1771

01:25:34,120 --> 01:25:32,000

affected by habitat loss if something

1772

01:25:37,990 --> 01:25:34,130

disrupts the food supply if there's a

1773

01:25:40,000 --> 01:25:38,000

severe climate change that decimates

1774

01:25:42,550 --> 01:25:40,010

forest species you know mastodons were

1775

01:25:44,950 --> 01:25:42,560

browsers they like to browse on trees

1776

01:25:47,500 --> 01:25:44,960

and forests well the forests in the

1777

01:25:50,140 --> 01:25:47,510

south southeastern United States that

1778

01:25:52,000 --> 01:25:50,150

they were browsing on 15,000 years ago

1779

01:25:54,820 --> 01:25:52,010

are the kind of forests that you now

1780

01:25:57,010 --> 01:25:54,830

find in southern Canada boreal forests

1781

01:25:59,370 --> 01:25:57,020

northern forests for us consisting of

1782

01:26:03,040 --> 01:25:59,380

spruce trees large trees alder trees

1783

01:26:04,540 --> 01:26:03,050

that don't exist in the South now but

1784

01:26:07,080 --> 01:26:04,550

you had a species that was adopted

1785

01:26:10,390 --> 01:26:07,090

adapted to eating that kind of

1786

01:26:11,920 --> 01:26:10,400

particular food and then suddenly those

1787

01:26:16,600 --> 01:26:11,930

forests get completely and utterly

1788

01:26:18,340 --> 01:26:16,610

decimated which appears did happen they

1789

01:26:21,070 --> 01:26:18,350

would starve to death and only a million

1790

01:26:24,040 --> 01:26:21,080

millenium or two later did we see that

1791

01:26:25,420 --> 01:26:24,050

the kind of the pine dominated for us

1792

01:26:28,090 --> 01:26:25,430

that we now see in the southeast

1793

01:26:29,860 --> 01:26:28,100

beginning to show up under a completely

1794

01:26:32,590 --> 01:26:29,870

different kind of an ecosystem that

1795

01:26:35,920 --> 01:26:32,600

emerged in the aftermath of the Ice Age

1796

01:26:38,470 --> 01:26:35,930

we've got about two minutes so give me

1797

01:26:41,920 --> 01:26:38,480

the quick answer here if you were a

1798

01:26:43,260 --> 01:26:41,930

betting man what do you think that it

1799

01:26:49,240 --> 01:26:43,270

was I understand you're suggesting

1800

01:26:52,990 --> 01:26:49,250

Kosmic but what would and and what else

1801

01:26:55,510 --> 01:26:53,000

could have caused it it's a it's a

1802

01:26:58,840 --> 01:26:55,520

fascinating thing what could it have

1803

01:27:01,660 --> 01:26:58,850

been it's too big of an event right it's

1804

01:27:04,360 --> 01:27:01,670

not small whatever it is and it and it

1805

01:27:06,910 --> 01:27:04,370

was out it was global too as well right

1806

01:27:08,230 --> 01:27:06,920

Randall oh yeah there was I don't think

1807

01:27:11,080 --> 01:27:08,240

you'd find any place on the globe that

1808

01:27:13,990 --> 01:27:11,090

wasn't affected to one extent or another

1809

01:27:16,000 --> 01:27:14,000

right right obviously just see sea level

1810

01:27:17,440 --> 01:27:16,010

rise alone was global so no matter where

1811

01:27:20,110 --> 01:27:17,450

you lived on the earth if you were on

1812

01:27:23,500 --> 01:27:20,120

some coastline you were rapidly

1813

01:27:26,200 --> 01:27:23,510

displaced by rapid sea level rise but

1814

01:27:28,960 --> 01:27:26,210

you have to understand it was I think it

1815

01:27:32,380 --> 01:27:28,970

was like the end of the Ice Age was a

1816

01:27:34,060 --> 01:27:32,390

drama in three acts act number one was

1817

01:27:37,330 --> 01:27:34,070

at about fourteen thousand six hundred

1818

01:27:39,700 --> 01:27:37,340

years ago and this was the first huge

1819

01:27:42,250 --> 01:27:39,710

melting of the ice sheet and then that

1820

01:27:43,750 --> 01:27:42,260

was followed by a more orderly returned

1821

01:27:46,210 --> 01:27:43,760

you know like I was describing earlier

1822

01:27:48,190 --> 01:27:46,220

with the warming climate and then that

1823

01:27:50,470 --> 01:27:48,200

got interrupted at about twelve thousand

1824

01:27:52,780 --> 01:27:50,480

nine hundred with the onset of the

1825

01:27:55,870 --> 01:27:52,790

Younger Dryas and all of the attendant

1826

01:27:57,700 --> 01:27:55,880

phenomena associated with that the

1827

01:27:59,740 --> 01:27:57,710

younger driest lasted about thirteen

1828

01:28:02,430 --> 01:27:59,750

hundred years and ended about eleven

1829

01:28:05,620 --> 01:28:02,440

thousand six hundred there was a second

1830

01:28:07,570 --> 01:28:05,630

giant meltwater spike introduced into

1831

01:28:11,380 --> 01:28:07,580

the ocean and it was the second

1832

01:28:14,380 --> 01:28:11,390

meltwater spike at eleven six that's

1833

01:28:16,120 --> 01:28:14,390

called meltwater pulse one B that

1834

01:28:18,430 --> 01:28:16,130

essentially marked the end of the Ice

1835

01:28:21,700 --> 01:28:18,440

Age March the end of the two and a half

1836

01:28:24,280 --> 01:28:21,710

million year Pleistocene epoch in the

1837

01:28:26,830 --> 01:28:24,290

beginning of the modern geologic epoch

1838

01:28:30,490 --> 01:28:26,840

which is called the Holocene right so

1839

01:28:33,250 --> 01:28:30,500

again the the termination of the former

1840

01:28:35,470 --> 01:28:33,260

world was a drama in three-act now

1841

01:28:37,570 --> 01:28:35,480

what's it the same trigger each one I

1842

01:28:40,750 --> 01:28:37,580

don't think necessarily that it was I

1843

01:28:43,300 --> 01:28:40,760

think that clearly the 12,900 event was

1844

01:28:46,360 --> 01:28:43,310

probably the encounter between Earth and

1845

01:28:50,230 --> 01:28:46,370

a large disintegrating comet that would

1846

01:28:54,040 --> 01:28:50,240

be my primary candidate to satisfy most

1847

01:28:56,800 --> 01:28:54,050

of the evidence that we find there what

1848

01:28:59,590 --> 01:28:56,810

though happened at 11600 what happened

1849

01:29:01,540 --> 01:28:59,600

at 14,600 I don't know you know I I

1850

01:29:03,010 --> 01:29:01,550

might go along with Robert Schoch on

1851

01:29:05,470 --> 01:29:03,020

that that we could be looking at

1852

01:29:07,510 --> 01:29:05,480

something involving the Sun let's take

1853

01:29:09,040 --> 01:29:07,520

we're not convinced right yeah that

1854

01:29:10,720 --> 01:29:09,050

would be a good point to take a break

1855

01:29:12,880 --> 01:29:10,730

yeah let's take a break right there and

1856

01:29:15,850 --> 01:29:12,890

we'll pick up where we are leaving off

1857

01:29:18,580 --> 01:29:15,860

our guest tonight Randall Carlson that's

1858

01:29:20,260 --> 01:29:18,590

right it's the conversation right here

1859

01:29:21,730 --> 01:29:20,270

on fade to black I'm

1860

01:29:26,620 --> 01:29:21,740

host Jimmy Church we'll be right back

1861

01:29:42,300 --> 01:29:32,520

[Music]

1862

01:29:48,540 --> 01:29:45,510

way out here we listen to Jimmy Church

1863

01:29:51,040 --> 01:29:48,550

you're listening to faint and black

1864

01:29:53,890 --> 01:29:51,050

always on the edge of the hottest

1865

01:29:54,670 --> 01:29:53,900

alternative talk jimmy church with fade

1866

01:30:13,930 --> 01:29:54,680

to black

1867

01:30:17,650 --> 01:30:13,940

stay GRA radio.com hurricanes

1868

01:30:19,390 --> 01:30:17,660

earthquakes wildfires this year we've

1869

01:30:21,790 --> 01:30:19,400

experienced more than our fair share

1870

01:30:24,670 --> 01:30:21,800

this is Jimmy Church of fade to black

1871

01:30:26,860 --> 01:30:24,680

and last month I decided to make sure my

1872

01:30:29,020 --> 01:30:26,870

family does not have to worry about food

1873

01:30:32,770 --> 01:30:29,030

should we get caught in a real emergency

1874

01:30:34,660 --> 01:30:32,780

situation introducing Humana a healthy

1875

01:30:36,280 --> 01:30:34,670

storable product that tastes so good

1876

01:30:38,290 --> 01:30:36,290

that you'll want to eat it every day

1877

01:30:41,020 --> 01:30:38,300

instead of just during those times of

1878

01:30:44,440 --> 01:30:41,030

duress all new manna products have a 25

1879

01:30:46,560 --> 01:30:44,450

year shelf life our msg and GMO free no

1880

01:30:48,970 --> 01:30:46,570

preservatives and are made in America

1881

01:30:50,770 --> 01:30:48,980

with the new manna pack in your home

1882

01:30:53,560 --> 01:30:50,780

you'll be able to sleep at night knowing

1883

01:30:56,740 --> 01:30:53,570

that you protected your family not only

1884

01:30:59,110 --> 01:30:56,750

have I tasted and tested I own it now

1885

01:31:01,450 --> 01:30:59,120

you can too just click on the new manna

1886

01:31:03,490 --> 01:31:01,460

banner on Jimmy Church radio.com and use

1887

01:31:05,890 --> 01:31:03,500

the promo code Jimmy when you order in

1888

01:31:07,890 --> 01:31:05,900

addition to a discount we'll send you an

1889

01:31:12,160 --> 01:31:07,900

autograph fade to black t-shirt

1890

01:31:15,310 --> 01:31:12,170

seriously gobekli tepe do you want to be

1891

01:31:16,990 --> 01:31:15,320

an official fade or not of course you do

1892

01:31:19,540 --> 01:31:17,000

this is Jimmy Church of fade to black

1893

01:31:24,220 --> 01:31:19,550

just go to our membership section at

1894

01:31:26,700 --> 01:31:24,230

Jimmy Church radio.com so you love talk

1895

01:31:29,940 --> 01:31:26,710

radio then you'll love talk stream

1896

01:31:32,680 --> 01:31:29,950

live.com talk stream live is always on

1897

01:31:34,960 --> 01:31:32,690

24/7 with the best streaming talk shows

1898

01:31:36,970 --> 01:31:34,970

find your favorite talkers and discover

1899

01:31:39,550 --> 01:31:36,980

some new ones it's free readily

1900

01:31:41,410 --> 01:31:39,560

available online or on mobile with any

1901

01:31:43,840 --> 01:31:41,420

smartphone or tablet finding your

1902

01:31:46,120 --> 01:31:43,850

favorite talk shows all in one place has

1903

01:31:47,560 --> 01:31:46,130

gotten a whole lot easier just go to

1904

01:31:49,810 --> 01:31:47,570

talk stream live doc

1905

01:31:53,850 --> 01:31:49,820

be sure to download the free apps from

1906

01:31:57,850 --> 01:31:53,860

Google Play or the iTunes App Store you

1907

01:32:05,590 --> 01:31:57,860

listen to us and we listen to you and so

1908

01:32:07,180 --> 01:32:05,600

does the CIA GRA radio.com if you have

1909

01:32:09,520 --> 01:32:07,190

hard water the lime scale not only

1910

01:32:11,350 --> 01:32:09,530

leaves white spots at clogs pipes and

1911

01:32:13,270 --> 01:32:11,360

breaks down appliances costing you

1912

01:32:15,280 --> 01:32:13,280

hundreds of dollars in energy and where

1913

01:32:17,500 --> 01:32:15,290

eliminate limescale and other water

1914

01:32:19,780 --> 01:32:17,510

issues like brown staining and bad odors

1915

01:32:21,460 --> 01:32:19,790

with hydro care water products available

1916

01:32:23,710 --> 01:32:21,470

from wave home solutions waves

1917

01:32:25,480 --> 01:32:23,720

affordable water systems don't use salts

1918

01:32:27,150 --> 01:32:25,490

or chemicals you'll love the way your

1919

01:32:29,170 --> 01:32:27,160

water tastes smells and looks

1920

01:32:31,870 --> 01:32:29,180

satisfaction guaranteed for more

1921

01:32:35,650 --> 01:32:31,880

information go to best water 1 2 3 com

1922

01:32:38,350 --> 01:32:35,660

that's best water 1 2 3 com are you

1923

01:32:40,900 --> 01:32:38,360

intrigued by paranormal talk radio you

1924

01:32:43,840 --> 01:32:40,910

love the new paranormal radio app from

1925

01:32:46,060 --> 01:32:43,850

talk stream live you'll find a great

1926

01:32:49,180 --> 01:32:46,070

selection of talk shows covering UFOs

1927

01:32:51,610 --> 01:32:49,190

ghosts strange phenomena and much more

1928

01:32:53,830 --> 01:32:51,620

download the paranormal radio app now

1929

01:32:56,140 --> 01:32:53,840

and start listening to the very best in

1930

01:32:57,670 --> 01:32:56,150

paranormal talk entertainment including

1931

01:33:00,670 --> 01:32:57,680

the network you're listening to right

1932

01:33:05,280 --> 01:33:00,680

now the paranormal radio app free in

1933

01:33:07,660 --> 01:33:05,290

Google Play and the iOS App Store you

1934

01:33:09,940 --> 01:33:07,670

are listening to fade to black

1935

01:33:14,740 --> 01:33:09,950

with Jimmy Church on the game changer

1936

01:33:16,810 --> 01:33:14,750

Network hi I'm Lisa Vance you're

1937

01:33:19,750 --> 01:33:16,820

listening to Jimmy Church this is a

1938

01:33:23,610 --> 01:33:19,760

revolution the revolution will not be

1939

01:33:28,490 --> 01:33:23,620

televised the revolution is on radio

1940

01:33:28,500 --> 01:34:06,209

[Music]

1941

01:34:10,240 --> 01:34:08,919

all right welcome back fade to black

1942

01:34:12,550 --> 01:34:10,250

I'm your host to me Church our guest

1943

01:34:15,100 --> 01:34:12,560

tonight Randall Carlson tomorrow night

1944

01:34:19,140 --> 01:34:15,110

his fate or night open lines all night

1945

01:34:23,050 --> 01:34:19,150

long premiering with Teresa and Aris

1946

01:34:24,580 --> 01:34:23,060

divine frequency on the airwaves let's

1947

01:34:28,709 --> 01:34:24,590

pick up where we left off Randall

1948

01:34:31,300 --> 01:34:28,719

because he brought up Robert Schoch and

1949

01:34:35,439 --> 01:34:31,310

his suggestion that it could have been

1950

01:34:38,860 --> 01:34:35,449

something possibly from the Sun and and

1951

01:34:40,600 --> 01:34:38,870

I anything is possible right but there's

1952

01:34:42,880 --> 01:34:40,610

something else here and he brought it up

1953

01:34:46,209 --> 01:34:42,890

earlier it's that magic number that

1954

01:34:49,530 --> 01:34:46,219

keeps popping up which not only is that

1955

01:34:52,959 --> 01:34:49,540

year you know 10,500 BC and what has

1956

01:34:55,899 --> 01:34:52,969

been presented with the Giza Plateau and

1957

01:34:58,030 --> 01:34:55,909

shock and John Anthony's was there great

1958

01:34:59,740 --> 01:34:58,040

work but then you have other things too

1959

01:35:05,320 --> 01:34:59,750

as well go back Elite epi you have the

1960

01:35:07,720 --> 01:35:05,330

alignments of the the stars and now we

1961

01:35:10,540 --> 01:35:07,730

have these events over here in North

1962

01:35:12,550 --> 01:35:10,550

America this date is significant around

1963

01:35:16,720 --> 01:35:12,560

this planet what do you think is going

1964

01:35:19,180 --> 01:35:16,730

on well you know if you go back and

1965

01:35:21,870 --> 01:35:19,190

reread Graham Hancock Spock fingerprints

1966

01:35:24,250 --> 01:35:21,880

of the gods he points this date out

1967

01:35:26,350 --> 01:35:24,260

maybe he's off by a few hundred years

1968

01:35:29,500 --> 01:35:26,360

which you know the evidence that was

1969

01:35:31,240 --> 01:35:29,510

available in mid 1990s

1970

01:35:33,040 --> 01:35:31,250

you know you probably couldn't get a

1971

01:35:36,490 --> 01:35:33,050

greater resolution in that I think

1972

01:35:39,149 --> 01:35:36,500

whether he put it at 12 5 or 12 9 it

1973

01:35:43,600 --> 01:35:39,159

really doesn't matter but he basically

1974

01:35:44,950 --> 01:35:43,610

interpreted a lot of the ancient systems

1975

01:35:47,169 --> 01:35:44,960

that we've inherited some of the

1976

01:35:50,020 --> 01:35:47,179

Egyptian stuff particularly like the

1977

01:35:53,770 --> 01:35:50,030

alignment of the Sphinx with the looking

1978

01:35:55,830 --> 01:35:53,780

at the horizon I would recommend for

1979

01:35:59,700 --> 01:35:55,840

people to go back and reread that book

1980

01:36:02,830 --> 01:35:59,710

because basically 10 points that date

1981

01:36:06,939 --> 01:36:02,840

because of his reading of the ancient

1982

01:36:09,939 --> 01:36:06,949

archives of information and that was you

1983

01:36:13,479 --> 01:36:09,949

know like basically 21 23 22 23 years

1984

01:36:16,270 --> 01:36:13,489

ago so at the time he wasn't quite sure

1985

01:36:18,430 --> 01:36:16,280

what to what attribute that catastrophe

1986

01:36:19,570 --> 01:36:18,440

but he definitely believed that it was

1987

01:36:22,090 --> 01:36:19,580

pointing to some

1988

01:36:24,250 --> 01:36:22,100

great catastrophe that happened and he

1989

01:36:26,050 --> 01:36:24,260

got a lot of flack for that from people

1990

01:36:28,300 --> 01:36:26,060

you know in the professional community

1991

01:36:30,340 --> 01:36:28,310

in the scientific community who had that

1992

01:36:31,870 --> 01:36:30,350

basically given no thought to it really

1993

01:36:34,090 --> 01:36:31,880

didn't know anything about it but we're

1994

01:36:36,880 --> 01:36:34,100

just operating primarily under

1995

01:36:39,280 --> 01:36:36,890

assumptions of how things happen how

1996

01:36:41,650 --> 01:36:39,290

things change that were left over

1997

01:36:45,130 --> 01:36:41,660

essentially really from the late 19th

1998

01:36:47,380 --> 01:36:45,140

century which formed the dogma of all

1999

01:36:49,900 --> 01:36:47,390

earth science studies through most of

2000

01:36:52,450 --> 01:36:49,910

the 20th century which was this strict

2001
01:36:54,730 --> 01:36:52,460
gradualism that we could account for

2002
01:36:59,440 --> 01:36:54,740
everything that we see in the world

2003
01:37:02,050 --> 01:36:59,450
today by invoking one grain of sand and

2004
01:37:04,540 --> 01:37:02,060
one drop of water at a time and given

2005
01:37:07,570 --> 01:37:04,550
enough hundreds of millions of years we

2006
01:37:09,790 --> 01:37:07,580
could accomplish anything well that's

2007
01:37:12,400 --> 01:37:09,800
the paradigm that dominated our thinking

2008
01:37:14,260 --> 01:37:12,410
of earth change for most of the 20th

2009
01:37:16,780 --> 01:37:14,270
century and of course that now has been

2010
01:37:19,390 --> 01:37:16,790
completely overturned it still has its

2011
01:37:21,400 --> 01:37:19,400
defenders who want to who don't

2012
01:37:24,970 --> 01:37:21,410
basically I think are intellectually

2013
01:37:27,460 --> 01:37:24,980

afraid to acknowledge the implications

2014

01:37:30,190 --> 01:37:27,470

of catastrophism what that might mean

2015

01:37:32,800 --> 01:37:30,200

for life history what that might mean

2016

01:37:36,130 --> 01:37:32,810

for the history of civilization on this

2017

01:37:38,710 --> 01:37:36,140

planet but definitely Graham was ahead

2018

01:37:41,400 --> 01:37:38,720

of his time with that and you know now

2019

01:37:44,680 --> 01:37:41,410

what brought him back on board was this

2020

01:37:47,050 --> 01:37:44,690

you know an active engagement was the

2021

01:37:50,020 --> 01:37:47,060

work of Firestone West Kennet and others

2022

01:37:52,150 --> 01:37:50,030

that came out in 2007 that were

2023

01:37:53,170 --> 01:37:52,160

essentially saying yeah we now have

2024

01:37:56,290 --> 01:37:53,180

evidence that there was something

2025

01:37:58,210 --> 01:37:56,300

perhaps a cosmic Amun or an asteroid

2026

01:38:01,630 --> 01:37:58,220

impact that occurred right on this date

2027

01:38:03,730 --> 01:38:01,640

which you know he had identified over 20

2028

01:38:06,250 --> 01:38:03,740

years before and I might say that I

2029

01:38:07,810 --> 01:38:06,260

myself did I gave a series of lectures

2030

01:38:10,720 --> 01:38:07,820

at Warren Wilson College in North

2031

01:38:12,490 --> 01:38:10,730

Carolina in 1996 right described the

2032

01:38:14,740 --> 01:38:12,500

same date and this was before I had read

2033

01:38:16,990 --> 01:38:14,750

fingerprints of the gods also so I had

2034

01:38:19,900 --> 01:38:17,000

come upon the same date independently of

2035

01:38:23,890 --> 01:38:19,910

Graham and had concluded that all of

2036

01:38:27,370 --> 01:38:23,900

this ancient evidence and knowledge was

2037

01:38:29,760 --> 01:38:27,380

pointing to that date at 12,900 and this

2038

01:38:33,340 --> 01:38:29,770

you know came a lot of this came from

2039

01:38:38,020 --> 01:38:33,350

reading works like Mirchi al-eid

2040

01:38:40,780 --> 01:38:38,030

hamlets mill which basically was showing

2041

01:38:43,390 --> 01:38:40,790

how the concept that the great year was

2042

01:38:46,270 --> 01:38:43,400

one of the most fundamental models of

2043

01:38:49,780 --> 01:38:46,280

reality of the ancient world and how

2044

01:38:52,090 --> 01:38:49,790

this particular model of reality came

2045

01:38:54,850 --> 01:38:52,100

down to us and essentially it's based

2046

01:38:57,310 --> 01:38:54,860

upon the progression of the vernal

2047

01:39:00,940 --> 01:38:57,320

equinox through the constellations of

2048

01:39:03,310 --> 01:39:00,950

the stars and the idea that that the

2049

01:39:06,280 --> 01:39:03,320

ancient cultures utilize the backdrop of

2050

01:39:09,490 --> 01:39:06,290

the fixed stars to superimpose or

2051

01:39:12,270 --> 01:39:09,500

juxtapose this knowledge of these great

2052

01:39:14,620 --> 01:39:12,280

temporal changes to the planet because

2053

01:39:18,580 --> 01:39:14,630

unlike anything that happens down here

2054

01:39:21,010 --> 01:39:18,590

below the changes you know anybody today

2055

01:39:23,530 --> 01:39:21,020

something transported back three or four

2056

01:39:26,230 --> 01:39:23,540

thousand five thousand years ago would

2057

01:39:28,990 --> 01:39:26,240

recognize basically the same sky as we

2058

01:39:30,880 --> 01:39:29,000

see today some subtle differences but

2059

01:39:34,510 --> 01:39:30,890

you would still recognize the Big Dipper

2060

01:39:36,610 --> 01:39:34,520

you would still recognize a Ryan etc now

2061

01:39:38,470 --> 01:39:36,620

the North Star wouldn't be as aligned

2062

01:39:40,840 --> 01:39:38,480

with the North Pole as it is but that's

2063

01:39:43,660 --> 01:39:40,850

because of that processional motion of

2064

01:39:46,390 --> 01:39:43,670

the Earth's axis but so it was in

2065

01:39:50,740 --> 01:39:46,400

Hamlet's mill that came out 1969 that

2066

01:39:53,830 --> 01:39:50,750

the author's connected this idea of the

2067

01:39:56,170 --> 01:39:53,840

changing cycles of world ages with with

2068

01:39:59,500 --> 01:39:56,180

the rise in the catastrophic rise and

2069

01:40:02,800 --> 01:39:59,510

fall of these great planetary changes

2070

01:40:04,570 --> 01:40:02,810

and they perhaps interpreted it more in

2071

01:40:06,430 --> 01:40:04,580

figurative terms rather than literal

2072

01:40:08,830 --> 01:40:06,440

terms but they certainly laid the

2073

01:40:11,890 --> 01:40:08,840

groundwork for making this correlation

2074

01:40:14,020 --> 01:40:11,900

between this ancient model which is

2075

01:40:16,630 --> 01:40:14,030

which is basically the wheel of the

2076

01:40:18,940 --> 01:40:16,640

zodiac and the motion of the vernal

2077

01:40:22,630 --> 01:40:18,950

equinox through the 12 constellations

2078

01:40:25,990 --> 01:40:22,640

that form the zodiacal wheel and what

2079

01:40:30,310 --> 01:40:26,000

happens during the each of those of that

2080

01:40:33,700 --> 01:40:30,320

transiting equinoctial alignment and so

2081

01:40:36,760 --> 01:40:33,710

because of that what seemed like Graham

2082

01:40:38,980 --> 01:40:36,770

was pointing out that it seemed like

2083

01:40:40,690 --> 01:40:38,990

they kept emphasizing the cusps of Leo

2084

01:40:43,390 --> 01:40:40,700

the cusps of Leo

2085

01:40:46,240 --> 01:40:43,400

well the vernal equinox transcended out

2086

01:40:48,940 --> 01:40:46,250

of the constellation of Virgo he

2087

01:40:50,470 --> 01:40:48,950

to the constellation of Leo right at

2088

01:40:55,180 --> 01:40:50,480

twelve thousand nine hundred years ago

2089

01:40:57,910 --> 01:40:55,190

so the Sphinx you know which in Egypt

2090

01:40:59,850 --> 01:40:57,920

has many symbolic connotations but I

2091

01:41:04,660 --> 01:40:59,860

think one of the most important is this

2092

01:41:07,300 --> 01:41:04,670

correlation of human and lion and if you

2093

01:41:11,350 --> 01:41:07,310

look at the Acne the axis of the the

2094

01:41:13,810 --> 01:41:11,360

equinoctial axis it is now in the same

2095

01:41:14,440 --> 01:41:13,820

alignment that it was thirteen thousand

2096

01:41:17,050 --> 01:41:14,450

years ago

2097

01:41:19,540 --> 01:41:17,060

except reversed so in other words

2098

01:41:23,700 --> 01:41:19,550

thirteen thousand years ago the vernal

2099

01:41:26,530 --> 01:41:23,710

equinox was moving out of Virgo into leo

2100

01:41:29,590 --> 01:41:26,540

whereas now the vernal equinox is moving

2101
01:41:32,530 --> 01:41:29,600
out of Pisces into Aquarius so Aquarius

2102
01:41:35,500 --> 01:41:32,540
and Leo the sign of the man and the sign

2103
01:41:38,410 --> 01:41:35,510
of the lion stand on opposite sides of

2104
01:41:41,320 --> 01:41:38,420
the zodiac to each other so basically

2105
01:41:45,190 --> 01:41:41,330
what we've seen is one half cycle of the

2106
01:41:47,770 --> 01:41:45,200
so-called Great year which enhance the

2107
01:41:50,350 --> 01:41:47,780
authors of Hamlet's Mill correlated with

2108
01:41:54,100 --> 01:41:50,360
this processional cycle which takes

2109
01:41:56,770 --> 01:41:54,110
right around 26,000 years or to use the

2110
01:41:59,530 --> 01:41:56,780
traditional number twenty five thousand

2111
01:42:02,020 --> 01:41:59,540
nine hundred and twenty years and half

2112
01:42:05,560 --> 01:42:02,030
of that is twelve thousand nine hundred

2113
01:42:08,980 --> 01:42:05,570

and sixty so what they did was they set

2114

01:42:11,980 --> 01:42:08,990

up a model of global change that there

2115

01:42:14,110 --> 01:42:11,990

were four major points of discontinuity

2116

01:42:17,170 --> 01:42:14,120

within this wheel and they were

2117

01:42:19,510 --> 01:42:17,180

associated with the the passage of the

2118

01:42:21,880 --> 01:42:19,520

vernal equinox through Aquarius through

2119

01:42:24,970 --> 01:42:21,890

Leo through Scorpio and through Taurus

2120

01:42:28,410 --> 01:42:24,980

the four fixed signs of the zodiac which

2121

01:42:33,990 --> 01:42:28,420

connect like so for example when the

2122

01:42:38,020 --> 01:42:34,000

equinoxes do line is connecting the the

2123

01:42:40,900 --> 01:42:38,030

Aquarius Leo axis the soul station line

2124

01:42:43,660 --> 01:42:40,910

is connecting the Scorpio Taurus axis

2125

01:42:46,150 --> 01:42:43,670

and that great cross cosmic cross is

2126

01:42:48,280 --> 01:42:46,160

rotating so that it clicks into one of

2127

01:42:49,840 --> 01:42:48,290

these signs every on average six

2128

01:42:52,120 --> 01:42:49,850

thousand four hundred and eighty years

2129

01:42:54,700 --> 01:42:52,130

so one of the things that I've done in

2130

01:42:56,680 --> 01:42:54,710

for people to go I would recommend to go

2131

01:42:59,170 --> 01:42:56,690

to the sacred geometry international

2132

01:42:59,680 --> 01:42:59,180

website because Cameron Wiltshire has

2133

01:43:02,080 --> 01:42:59,690

done some

2134

01:43:04,800 --> 01:43:02,090

awesome graphics for to help people

2135

01:43:07,240 --> 01:43:04,810

visualize what I'm talking about and

2136

01:43:10,290 --> 01:43:07,250

basically what it's showing is that

2137

01:43:12,610 --> 01:43:10,300

there's a high correlation of

2138

01:43:15,729 --> 01:43:12,620

discontinuous events within the natural

2139

01:43:20,050 --> 01:43:15,739

continuum of change that are associated

2140

01:43:22,030 --> 01:43:20,060

with these four sides and the most or I

2141

01:43:24,400 --> 01:43:22,040

should say constellations because we're

2142

01:43:27,040 --> 01:43:24,410

talking constellations here not signs

2143

01:43:29,800 --> 01:43:27,050

for those who are either astronomically

2144

01:43:33,459 --> 01:43:29,810

or astrologically oriented we're talking

2145

01:43:34,930 --> 01:43:33,469

about the constellations right so if we

2146

01:43:37,510 --> 01:43:34,940

go back six thousand four hundred eighty

2147

01:43:39,490 --> 01:43:37,520

years ago between 6,000 and six thousand

2148

01:43:42,550 --> 01:43:39,500

four hundred and eighty as the vernal

2149

01:43:45,640 --> 01:43:42,560

equinox was moving into Taurus we see a

2150

01:43:48,700 --> 01:43:45,650

major global change and what happened

2151
01:43:52,000 --> 01:43:48,710
was is coming out of the ice age as the

2152
01:43:53,860 --> 01:43:52,010
age of Leo came to an end and we moved

2153
01:43:56,650 --> 01:43:53,870
into the age of cancer what we see

2154
01:43:59,020 --> 01:43:56,660
happening is that the climate became

2155
01:44:01,030 --> 01:43:59,030
very warm climatologists who have

2156
01:44:03,880 --> 01:44:01,040
studied this period have called the the

2157
01:44:07,120 --> 01:44:03,890
three or four thousand year period post

2158
01:44:10,660 --> 01:44:07,130
immediate post ice age as the climatic

2159
01:44:14,350 --> 01:44:10,670
optimum because this was the time when

2160
01:44:17,290 --> 01:44:14,360
actually climate was in fact in spite of

2161
01:44:20,229 --> 01:44:17,300
a lot of the propaganda climate was

2162
01:44:22,390 --> 01:44:20,239
warmer than that it is now sea levels

2163
01:44:25,140 --> 01:44:22,400

might have been up to three to six feet

2164

01:44:28,270 --> 01:44:25,150

higher according to some studies and

2165

01:44:30,430 --> 01:44:28,280

there were farming communities that

2166

01:44:34,120 --> 01:44:30,440

formed at 10,000 feet above sea level

2167

01:44:35,860 --> 01:44:34,130

and this is the time that I often

2168

01:44:37,810 --> 01:44:35,870

referred to as the age of the goddess

2169

01:44:40,390 --> 01:44:37,820

because it was during this time when

2170

01:44:44,260 --> 01:44:40,400

these hunter-gatherer nomadic cultures

2171

01:44:47,260 --> 01:44:44,270

that had survived the the catastrophic

2172

01:44:51,370 --> 01:44:47,270

changes that ended the Ice Age moved

2173

01:44:55,450 --> 01:44:51,380

into a an eco zone which had basically

2174

01:44:57,670 --> 01:44:55,460

been depopulated now nature if you study

2175

01:45:01,209 --> 01:44:57,680

these great catastrophes whether it's in

2176
01:45:03,550 --> 01:45:01,219
the aftermath of hurricanes or volcanic

2177
01:45:05,620 --> 01:45:03,560
eruptions or even asteroid impacts and

2178
01:45:08,740 --> 01:45:05,630
that sort of thing what you discover is

2179
01:45:12,160 --> 01:45:08,750
that the recuperative powers of nature

2180
01:45:14,500 --> 01:45:12,170
are phenomenal and I visited a nobody

2181
01:45:17,140 --> 01:45:14,510
two years ago

2182
01:45:20,229 --> 01:45:17,150
Mount Saint Helens to investigate the

2183
01:45:23,740 --> 01:45:20,239
recovery you know in in roughly three

2184
01:45:25,930 --> 01:45:23,750
decades after the great eruptions

2185
01:45:29,200 --> 01:45:25,940
created a lunar landscape over about 200

2186
01:45:32,109 --> 01:45:29,210
square miles right and you could see how

2187
01:45:35,709 --> 01:45:32,119
rapidly nature was reclaiming that

2188
01:45:38,109 --> 01:45:35,719

devastated landscape and in another

2189

01:45:39,459 --> 01:45:38,119

three or four centuries that mountain

2190

01:45:43,240 --> 01:45:39,469

the whole mountain should be pretty much

2191

01:45:46,750 --> 01:45:43,250

reforested right so excuse me my point

2192

01:45:49,180 --> 01:45:46,760

here is that nature has the ability to

2193

01:45:52,479 --> 01:45:49,190

recover from the catastrophic and

2194

01:45:56,260 --> 01:45:52,489

traumatic events quite rapidly probably

2195

01:45:59,020 --> 01:45:56,270

faster than a decimated human culture

2196

01:46:00,569 --> 01:45:59,030

does and so the in the aftermath like

2197

01:46:02,950 --> 01:46:00,579

they described earlier Clovis culture

2198

01:46:05,640 --> 01:46:02,960

apparently almost completely disappeared

2199

01:46:08,530 --> 01:46:05,650

from North America right right so a

2200

01:46:10,479 --> 01:46:08,540

thousand years later another culture

2201

01:46:12,669 --> 01:46:10,489

begins to appear they're so different

2202

01:46:14,500 --> 01:46:12,679

distinctively different that they've

2203

01:46:16,450 --> 01:46:14,510

given a different name by archeologists

2204

01:46:17,979 --> 01:46:16,460

they're called the Folsom culture who

2205

01:46:20,799 --> 01:46:17,989

are the Folsom culture well nobody knows

2206

01:46:22,419 --> 01:46:20,809

exactly where they came from interesting

2207

01:46:24,910 --> 01:46:22,429

genetic studies that are beginning to

2208

01:46:27,370 --> 01:46:24,920

reveal some very interesting information

2209

01:46:29,560 --> 01:46:27,380

about the dispersal of people around the

2210

01:46:31,419 --> 01:46:29,570

globe but it gets back to this question

2211

01:46:32,919 --> 01:46:31,429

that you brought up earlier you see it's

2212

01:46:36,609 --> 01:46:32,929

almost like when you look at Mount st.

2213

01:46:40,600 --> 01:46:36,619

Helens what you see there is what what

2214

01:46:45,879 --> 01:46:40,610

the ecologist calls a refugium refugium

2215

01:46:48,459 --> 01:46:45,889

is somewhere where species were some

2216

01:46:51,030 --> 01:46:48,469

little enclave of nature manages to

2217

01:46:53,379 --> 01:46:51,040

survive by whatever reason you know

2218

01:46:56,589 --> 01:46:53,389

whatever luck of the draw

2219

01:46:59,649 --> 01:46:56,599

but these refugium are the places from

2220

01:47:02,140 --> 01:46:59,659

which nature begins to recolonize these

2221

01:47:04,689 --> 01:47:02,150

devastated landscapes typically first

2222

01:47:07,209 --> 01:47:04,699

thing it appears in the volcanic ash is

2223

01:47:09,609 --> 01:47:07,219

a generation of ferns and then you have

2224

01:47:11,799 --> 01:47:09,619

a few generation of ferns they grow up

2225

01:47:14,229 --> 01:47:11,809

they live their lifecycle but they

2226

01:47:16,899 --> 01:47:14,239

return to the soul return to the ash and

2227

01:47:21,040 --> 01:47:16,909

they help begin to build the layer of

2228

01:47:23,919 --> 01:47:21,050

soil that can now support the more

2229

01:47:26,020 --> 01:47:23,929

advanced species and so we have to

2230

01:47:27,310 --> 01:47:26,030

understand what happened at the end of

2231

01:47:29,290 --> 01:47:27,320

the last ice age was

2232

01:47:31,720 --> 01:47:29,300

there were large portions of the

2233

01:47:34,030 --> 01:47:31,730

planetary surface that were basically

2234

01:47:37,839 --> 01:47:34,040

destroyed that were basically erased and

2235

01:47:39,910 --> 01:47:37,849

so when we look at the historical

2236

01:47:41,580 --> 01:47:39,920

discovery of America I think that what

2237

01:47:44,250 --> 01:47:41,590

we're really doing is looking at the

2238

01:47:46,780 --> 01:47:44,260

rediscovery of America the

2239

01:47:49,750 --> 01:47:46,790

recolonization it took nearly ten

2240

01:47:52,899 --> 01:47:49,760

thousand years for for humans to

2241

01:47:56,140 --> 01:47:52,909

actually return to North America in mass

2242

01:47:58,620 --> 01:47:56,150

and in the survivors in North America

2243

01:48:02,290 --> 01:47:58,630

see it's - another interesting idea

2244

01:48:03,729 --> 01:48:02,300

which I think would be probably beyond

2245

01:48:05,709 --> 01:48:03,739

our conversation tonight when you look

2246

01:48:08,229 --> 01:48:05,719

at this evidence but I would I would

2247

01:48:11,669 --> 01:48:08,239

suggest that there's that the human

2248

01:48:13,600 --> 01:48:11,679

survivors of these catastrophes that

2249

01:48:15,729 --> 01:48:13,610

convulsed the earth at the end of the

2250

01:48:19,300 --> 01:48:15,739

last ice age were two types there were

2251

01:48:21,760 --> 01:48:19,310

two categories one was those people who

2252

01:48:23,800 --> 01:48:21,770

survived just by being in the right

2253

01:48:25,990 --> 01:48:23,810

place at the right time by the luck of

2254

01:48:29,470 --> 01:48:26,000

the draw right there was another group

2255

01:48:32,319 --> 01:48:29,480

that survived because they prepared

2256

01:48:36,000 --> 01:48:32,329

because they knew something was coming

2257

01:48:39,189 --> 01:48:36,010

they put the the pieces in place to

2258

01:48:42,720 --> 01:48:39,199

ensure the high probability of their

2259

01:48:46,120 --> 01:48:42,730

survival and retaining some degree of

2260

01:48:48,220 --> 01:48:46,130

cultural knowledge not a jump until

2261

01:48:50,620 --> 01:48:48,230

right there hold on a second because

2262

01:48:55,260 --> 01:48:50,630

this is a very interesting point is

2263

01:48:57,700 --> 01:48:55,270

there evidence of high technology

2264

01:48:59,859 --> 01:48:57,710

advanced culture that predated

2265

01:49:02,770 --> 01:48:59,869

everything here in the United States and

2266

01:49:05,379 --> 01:49:02,780

North America not that I know of

2267

01:49:08,169 --> 01:49:05,389

but what we do see is at the beginning

2268

01:49:12,100 --> 01:49:08,179

of recorded history just like Graham is

2269

01:49:14,050 --> 01:49:12,110

Cedric frequently it's more like the

2270

01:49:16,750 --> 01:49:14,060

beginnings of history is it really the

2271

01:49:18,370 --> 01:49:16,760

beginnings it's the end of something you

2272

01:49:22,810 --> 01:49:18,380

know the building of the pyramids on the

2273

01:49:25,209 --> 01:49:22,820

Giza Plateau just see regardless of what

2274

01:49:27,850 --> 01:49:25,219

conventional thinkers think about this

2275

01:49:30,129 --> 01:49:27,860

it just doesn't make sense you know as

2276

01:49:32,589 --> 01:49:30,139

somebody who spent 40 years building

2277

01:49:35,649 --> 01:49:32,599

things knowing kind of what it's like to

2278

01:49:39,910 --> 01:49:35,659

have to move Oh something to weighs a

2279

01:49:41,140 --> 01:49:39,920

ton on occasion right to think that all

2280

01:49:45,190 --> 01:49:41,150

over the world

2281

01:49:46,960 --> 01:49:45,200

you had hunter-gatherers who just

2282

01:49:49,390 --> 01:49:46,970

decided all of a sudden one day you know

2283

01:49:53,590 --> 01:49:49,400

what we're gonna start cutting stones

2284

01:49:55,450 --> 01:49:53,600

that way ten twenty a hundred maybe even

2285

01:49:57,340 --> 01:49:55,460

two hundred tons and start building

2286

01:49:59,230 --> 01:49:57,350

things out of these two hundred tons

2287

01:50:01,270 --> 01:49:59,240

stones and we're going to cut those

2288

01:50:02,280 --> 01:50:01,280

stones and we're going to other quarries

2289

01:50:05,650 --> 01:50:02,290

and we're going to have perhaps

2290

01:50:08,260 --> 01:50:05,660

transport them fifty or a hundred or or

2291

01:50:11,380 --> 01:50:08,270

two hundred miles over land to build

2292

01:50:14,080 --> 01:50:11,390

this thing you see that justice I'm

2293

01:50:16,780 --> 01:50:14,090

sorry it doesn't make sense to me okay

2294

01:50:20,410 --> 01:50:16,790

you've got hunter-gatherers right and

2295

01:50:22,480 --> 01:50:20,420

okay maybe in one place you could come

2296

01:50:24,760 --> 01:50:22,490

up and say yeah for whatever reason this

2297

01:50:26,410 --> 01:50:24,770

particular group on this particular

2298

01:50:29,290 --> 01:50:26,420

continent this particular region of the

2299

01:50:31,180 --> 01:50:29,300

planet got inspired or motivated to

2300

01:50:34,390 --> 01:50:31,190

build to start building things out of

2301

01:50:37,510 --> 01:50:34,400

you know 20-ton stones or 50-ton stones

2302

01:50:41,380 --> 01:50:37,520

but we see a Jimmy all over the world

2303

01:50:43,270 --> 01:50:41,390

and in it I'm sorry all of the attempts

2304

01:50:46,570 --> 01:50:43,280

by the more conventional thinkers to

2305

01:50:48,390 --> 01:50:46,580

dismiss that or to get around it and not

2306

01:50:51,160 --> 01:50:48,400

have to address it I think are

2307

01:50:53,680 --> 01:50:51,170

completely missing the reality that's

2308

01:50:56,560 --> 01:50:53,690

that's staring them right in the face it

2309

01:50:58,810 --> 01:50:56,570

just does not make sense I'm sorry it

2310

01:51:00,580 --> 01:50:58,820

doesn't make sense and we have to come

2311

01:51:03,370 --> 01:51:00,590

up with some model of history I think

2312

01:51:05,080 --> 01:51:03,380

that can explain that phenomena and I'm

2313

01:51:07,270 --> 01:51:05,090

sorry the conventional model just

2314

01:51:08,680 --> 01:51:07,280

doesn't you know you can stand there and

2315

01:51:10,390 --> 01:51:08,690

you can look at the pyramids on the Giza

2316

01:51:12,520 --> 01:51:10,400

Plateau and you're thinking wait a

2317

01:51:14,740 --> 01:51:12,530

second the grandfather's of the people

2318

01:51:17,200 --> 01:51:14,750

that built these were just farmers in

2319

01:51:20,230 --> 01:51:17,210

the Nile Valley right and now now

2320

01:51:22,660 --> 01:51:20,240

they're built no I I'm sorry it doesn't

2321

01:51:26,080 --> 01:51:22,670

make sense and you can invoke all of the

2322

01:51:27,550 --> 01:51:26,090

the conventional models that you want

2323

01:51:29,860 --> 01:51:27,560

going back over the last hundred years

2324

01:51:31,900 --> 01:51:29,870

and I don't think I think that all

2325

01:51:35,890 --> 01:51:31,910

you're doing is attempting to get around

2326

01:51:38,830 --> 01:51:35,900

that reality that glaring contradictory

2327

01:51:41,200 --> 01:51:38,840

reality you see and then we can go South

2328

01:51:44,290 --> 01:51:41,210

America we can go you know Malta we can

2329

01:51:46,150 --> 01:51:44,300

go to you know Lebanon in Syria we can

2330

01:51:49,540 --> 01:51:46,160

go to the British Isles we find the same

2331

01:51:52,180 --> 01:51:49,550

thing and that's what I'm getting at so

2332

01:51:53,290 --> 01:51:52,190

if we begin to try to look at the

2333

01:51:54,459 --> 01:51:53,300

explanation for that

2334

01:51:56,379 --> 01:51:54,469

I think it

2335

01:51:59,529 --> 01:51:56,389

leads us directly into admitting that

2336

01:52:01,680 --> 01:51:59,539

yeah there was somebody who had some

2337

01:52:06,509 --> 01:52:01,690

kind of knowledge of engineering of

2338

01:52:11,979 --> 01:52:06,519

mathematics of astronomy of geology and

2339

01:52:14,709 --> 01:52:11,989

they were able to somehow intervene in

2340

01:52:16,540 --> 01:52:14,719

cultures and motivate these cultures to

2341

01:52:18,790 --> 01:52:16,550

do these things and if you look at the

2342

01:52:21,759 --> 01:52:18,800

traditions of the cultures themselves it

2343

01:52:25,930 --> 01:52:21,769

confirms what I just said they all talk

2344

01:52:28,870 --> 01:52:25,940

about gods or these higher beings that

2345

01:52:30,100 --> 01:52:28,880

came in and I and I'm not necessarily

2346

01:52:32,739 --> 01:52:30,110

saying that there could have been

2347

01:52:36,910 --> 01:52:32,749

anything other than more scientifically

2348

01:52:39,759 --> 01:52:36,920

advanced humans right but definitely

2349

01:52:43,419 --> 01:52:39,769

when I look at the Great Pyramid of Giza

2350

01:52:46,270 --> 01:52:43,429

I'm seeing technological advancement

2351
01:52:49,029 --> 01:52:46,280
there that's something beyond well oh

2352
01:52:51,669 --> 01:52:49,039
you know so the explanations come well

2353
01:52:53,109 --> 01:52:51,679
they built this massive stone circle so

2354
01:52:56,649 --> 01:52:53,119
that they could know when to plant their

2355
01:52:58,899 --> 01:52:56,659
crops well see here's the thing Jimmy

2356
01:53:00,370 --> 01:52:58,909
you you can determine when to plant your

2357
01:53:02,200 --> 01:53:00,380
crops just by putting a stick in the

2358
01:53:04,750 --> 01:53:02,210
ground and drawing a circle around it

2359
01:53:06,910 --> 01:53:04,760
you don't need to move 50 stones that

2360
01:53:08,950 --> 01:53:06,920
weigh 20 tons each and put them in a

2361
01:53:11,140 --> 01:53:08,960
circle aligned to the cardinal

2362
01:53:12,819 --> 01:53:11,150
directions and marking out the passage

2363
01:53:15,609 --> 01:53:12,829

of the Sun and the moon you don't need

2364

01:53:17,500 --> 01:53:15,619

to do that you know to know when to

2365

01:53:21,729 --> 01:53:17,510

plant your crops or grow some wheat

2366

01:53:24,700 --> 01:53:21,739

right right yeah there's this major

2367

01:53:27,910 --> 01:53:24,710

disconnect in conventional academic

2368

01:53:30,100 --> 01:53:27,920

thinking there's a blind spot and I

2369

01:53:31,839 --> 01:53:30,110

don't know why but they are so reluctant

2370

01:53:34,779 --> 01:53:31,849

to admit that there may have been

2371

01:53:37,060 --> 01:53:34,789

something much grander and greater going

2372

01:53:40,600 --> 01:53:37,070

on in our prehistory that we haven't

2373

01:53:42,580 --> 01:53:40,610

figured out yet have you ever leave

2374

01:53:46,569 --> 01:53:42,590

we're gonna hit a break here in a second

2375

01:53:50,620 --> 01:53:46,579

but the migration of us around this

2376

01:53:52,899 --> 01:53:50,630

planet where conventional academia is

2377

01:53:55,930 --> 01:53:52,909

gonna say it started in in southern

2378

01:53:57,640 --> 01:53:55,940

Africa and and went up and and and went

2379

01:54:02,379 --> 01:53:57,650

around and here we are today you know

2380

01:54:05,620 --> 01:54:02,389

four million years ago but the what was

2381

01:54:07,200 --> 01:54:05,630

going on in Giza was also going on here

2382

01:54:09,270 --> 01:54:07,210

and in in

2383

01:54:12,860 --> 01:54:09,280

America and South America but it was

2384

01:54:16,320 --> 01:54:12,870

also going on in in northern Russia and

2385

01:54:19,860 --> 01:54:16,330

could it be that this knowledge maybe he

2386

01:54:22,950 --> 01:54:19,870

came from the north and progressed down

2387

01:54:27,120 --> 01:54:22,960

the reason why I suggest that is we have

2388

01:54:30,360 --> 01:54:27,130

gobekli tepe which is north of Giza it's

2389

01:54:35,729 --> 01:54:30,370

north and it was built 7,000 years

2390

01:54:38,520 --> 01:54:35,739

before the rise of the the Pharaohs so

2391

01:54:41,340 --> 01:54:38,530

wait a minute it couldn't have been the

2392

01:54:42,900 --> 01:54:41,350

opposite of what everybody is suggesting

2393

01:54:46,680 --> 01:54:42,910

and why don't they take a look at that

2394

01:54:49,229 --> 01:54:46,690

and consider it well let's see who is

2395

01:54:51,330 --> 01:54:49,239

the author oh I read the book years ago

2396

01:54:55,979 --> 01:54:51,340

um it'll come to me in a second who was

2397

01:54:57,420 --> 01:54:55,989

proposing exactly that what was his name

2398

01:54:59,690 --> 01:54:57,430

I'll have it after the break

2399

01:55:03,900 --> 01:54:59,700

okay and dresses up from from the

2400

01:55:07,020 --> 01:55:03,910

archives so how much time we got left

2401
01:55:09,600 --> 01:55:07,030
we've got four minutes Oh four minutes

2402
01:55:11,970 --> 01:55:09,610
oh well okay that's enough to cover a

2403
01:55:14,880 --> 01:55:11,980
couple of thousand years of material

2404
01:55:18,660 --> 01:55:14,890
right well you know because when we if

2405
01:55:21,330 --> 01:55:18,670
you go and you start I suggested this a

2406
01:55:23,910 --> 01:55:21,340
few months ago you know I'm just laying

2407
01:55:26,100 --> 01:55:23,920
awake and then thinking I can't stop my

2408
01:55:28,650 --> 01:55:26,110
brain and I started to think about the

2409
01:55:30,750 --> 01:55:28,660
Black Sea and and what was going on

2410
01:55:33,780 --> 01:55:30,760
around there and and you start to look

2411
01:55:35,430 --> 01:55:33,790
at at Russia and you go up you know and

2412
01:55:38,310 --> 01:55:35,440
and head north you know certainly China

2413
01:55:42,840 --> 01:55:38,320

too but how that just funneled down

2414

01:55:44,370 --> 01:55:42,850

through modern-day Turkey today and the

2415

01:55:47,790 --> 01:55:44,380

ancient structures that are there that

2416

01:55:50,550 --> 01:55:47,800

predate everything else and of course

2417

01:55:53,970 --> 01:55:50,560

gobekli tepe is right there again at

2418

01:55:56,970 --> 01:55:53,980

that magic number at 10,500 BC that

2419

01:56:00,300 --> 01:55:56,980

maybe this knowledge came from the north

2420

01:56:03,180 --> 01:56:00,310

and it didn't come from the south up

2421

01:56:05,580 --> 01:56:03,190

through Egypt around Jerusalem and then

2422

01:56:09,740 --> 01:56:05,590

up to gobekli tepe because the dating is

2423

01:56:11,610 --> 01:56:09,750

in the opposite direction mm-hmm I

2424

01:56:13,890 --> 01:56:11,620

certainly would consider that a

2425

01:56:16,260 --> 01:56:13,900

possibility and the name of this author

2426
01:56:18,840 --> 01:56:16,270
and his book which I read years ago will

2427
01:56:20,400 --> 01:56:18,850
come to me in a second but yes he was

2428
01:56:22,859 --> 01:56:20,410
proposing that that there was a northern

2429
01:56:22,859 --> 01:56:22,869
so

2430
01:56:28,060 --> 01:56:26,169
yeah I certainly think that's worthy of

2431
01:56:30,220 --> 01:56:28,070
consideration III wouldn't say

2432
01:56:32,439 --> 01:56:30,230
necessarily that oh I'm gonna believe

2433
01:56:35,069 --> 01:56:32,449
that that's the final answer but it

2434
01:56:37,689 --> 01:56:35,079
could definitely be plausible in in my

2435
01:56:39,129 --> 01:56:37,699
opinion we got to be open to all

2436
01:56:40,779 --> 01:56:39,139
possibilities here because we're

2437
01:56:43,870 --> 01:56:40,789
confronted with something that's really

2438
01:56:46,390 --> 01:56:43,880

beyond any conventional explanation and

2439

01:56:49,569 --> 01:56:46,400

you know this is where I'm or what was

2440

01:56:51,069 --> 01:56:49,579

the old the geologist was at EC

2441

01:56:53,200 --> 01:56:51,079

Chamberlin I'm sure you don't remember

2442

01:56:55,450 --> 01:56:53,210

but I

2443

01:56:57,129 --> 01:56:55,460

oh he was discounting his colleagues

2444

01:57:00,759 --> 01:56:57,139

around the turn of the century for being

2445

01:57:02,080 --> 01:57:00,769

too too high bound to to conventionally

2446

01:57:04,810 --> 01:57:02,090

oriented and he said that there's a

2447

01:57:07,509 --> 01:57:04,820

important role for the outrageous

2448

01:57:09,609 --> 01:57:07,519

hypothesis in understanding Earth

2449

01:57:12,279 --> 01:57:09,619

history and you know I'm a firm believer

2450

01:57:15,549 --> 01:57:12,289

in that that we have to it's the

2451
01:57:17,830 --> 01:57:15,559
balancing between you know the absurd

2452
01:57:19,479 --> 01:57:17,840
and what could be possible you know

2453
01:57:21,939 --> 01:57:19,489
because there is a lot of whoo out there

2454
01:57:24,040 --> 01:57:21,949
whoo whoo stuff and you know we've got

2455
01:57:26,770 --> 01:57:24,050
to be careful and consider always

2456
01:57:28,660 --> 01:57:26,780
consider what the evidence suggests but

2457
01:57:30,339 --> 01:57:28,670
interestingly I mean to me the evidence

2458
01:57:32,319 --> 01:57:30,349
points to something that's as

2459
01:57:34,060 --> 01:57:32,329
extraordinary as anything fictional that

2460
01:57:36,370 --> 01:57:34,070
you could come up with that's right and

2461
01:57:39,069 --> 01:57:36,380
and and Randall we've got a minute left

2462
01:57:41,169 --> 01:57:39,079
when we talk about the land bridges and

2463
01:57:44,169 --> 01:57:41,179

and the differences in sea levels and

2464

01:57:46,629 --> 01:57:44,179

certainly ice and and how different the

2465

01:57:49,000 --> 01:57:46,639

world was 40,000 years ago but that

2466

01:57:52,000 --> 01:57:49,010

migration may be this is what I'm

2467

01:57:54,970 --> 01:57:52,010

suggesting maybe it started here in in

2468

01:57:57,339 --> 01:57:54,980

North America went up across around

2469

01:58:00,790 --> 01:57:57,349

through Russia through the land bridge

2470

01:58:04,479 --> 01:58:00,800

the opposite direction of what what is

2471

01:58:07,419 --> 01:58:04,489

is the the dogma that were fed and then

2472

01:58:09,850 --> 01:58:07,429

down from the north from Russia and and

2473

01:58:12,819 --> 01:58:09,860

around you know that's that's all I'm

2474

01:58:16,600 --> 01:58:12,829

suggesting here that maybe it started

2475

01:58:18,399 --> 01:58:16,610

here why the the ice that came down from

2476
01:58:22,629 --> 01:58:18,409
Canada and covered Northam and maybe

2477
01:58:25,029 --> 01:58:22,639
people split they went to where the food

2478
01:58:27,189 --> 01:58:25,039
was and they went back out and across

2479
01:58:29,739 --> 01:58:27,199
and around and then repopulated North

2480
01:58:32,350 --> 01:58:29,749
America at a later date when things

2481
01:58:34,849 --> 01:58:32,360
settle down I'm just saying that's how

2482
01:58:36,859 --> 01:58:34,859
my brain works

2483
01:58:38,479 --> 01:58:36,869
well you know you could be onto

2484
01:58:40,879 --> 01:58:38,489
something if we're going back forty or

2485
01:58:44,929 --> 01:58:40,889
fifty thousand years and or maybe even

2486
01:58:48,799 --> 01:58:44,939
earlier you know America has been or I'd

2487
01:58:51,649 --> 01:58:48,809
say North America has been subject to

2488
01:58:55,489 --> 01:58:51,659

this repeating this recurring episodes

2489

01:58:58,009 --> 01:58:55,499

of glacial and interglacial ages so that

2490

01:58:59,540 --> 01:58:58,019

you'll have ten or fifteen thousand

2491

01:59:01,849 --> 01:58:59,550

years of a glacial age and then you'll

2492

01:59:04,369 --> 01:59:01,859

have an interim period that's as warm as

2493

01:59:06,529 --> 01:59:04,379

now or maybe not quite as warm but where

2494

01:59:09,409 --> 01:59:06,539

the glaciers shrink back maybe not

2495

01:59:12,409 --> 01:59:09,419

disappear altogether but shrink back to

2496

01:59:14,899 --> 01:59:12,419

just only a small part of what they had

2497

01:59:17,810 --> 01:59:14,909

been at their maximum and so there's

2498

01:59:21,979 --> 01:59:17,820

actually kind of a periodicity to this

2499

01:59:24,229 --> 01:59:21,989

thing this expansion and contraction of

2500

01:59:27,469 --> 01:59:24,239

the glaciers the rising and falling of

2501

01:59:30,109 --> 01:59:27,479

sea levels it's almost like a pulse of

2502

01:59:31,969 --> 01:59:30,119

the climate of the global climate in the

2503

01:59:33,500 --> 01:59:31,979

interim periods yes there could have

2504

01:59:36,229 --> 01:59:33,510

been who knows what could have arisen

2505

01:59:39,020 --> 01:59:36,239

during those interim periods but then

2506

01:59:41,659 --> 01:59:39,030

basically erased when the next Ice Age

2507

01:59:44,389 --> 01:59:41,669

comes because think about you know think

2508

01:59:45,919 --> 01:59:44,399

about Canada in Canada you've got all on

2509

01:59:49,189 --> 01:59:45,929

hold on hold on I got to take a break

2510

01:59:52,129 --> 01:59:49,199

right here I can tell where this is

2511

01:59:54,349 --> 01:59:52,139

going so all right let's take a quick

2512

01:59:57,020 --> 01:59:54,359

break and also want you to wrap your

2513

02:00:00,139 --> 01:59:57,030

mind around a conversation about the the

2514

02:00:01,819 --> 02:00:00,149

rakat structure and there's something

2515

02:00:04,069 --> 02:00:01,829

going on there too as well we'll be

2516

02:00:06,739 --> 02:00:04,079

right back our guest Randall Carlson

2517

02:00:09,000 --> 02:00:06,749

stay with me

2518

02:00:13,870 --> 02:00:09,010

everybody's Rob Halford the mental guard

2519

02:00:20,510 --> 02:00:17,150

this is KCRA digital broadcasting

2520

02:00:23,300 --> 02:00:20,520

station Salt Lake City Utah Van Buren

2521

02:00:25,670 --> 02:00:23,310

Arkansas poor water quality is a major

2522

02:00:27,590 --> 02:00:25,680

health issue and it's only getting worse

2523

02:00:29,390 --> 02:00:27,600

municipalities can't keep up standards

2524

02:00:32,540 --> 02:00:29,400

have dropped and pollutants are

2525

02:00:34,340 --> 02:00:32,550

increasing where does it all end it ends

2526

02:00:36,050 --> 02:00:34,350

by keeping the pollutants outside of

2527

02:00:38,120 --> 02:00:36,060

your home with hydro cares advanced

2528

02:00:40,520 --> 02:00:38,130

systems available at wave home solutions

2529

02:00:42,020 --> 02:00:40,530

no less than the best purification

2530

02:00:44,060 --> 02:00:42,030

materials and processes have been

2531

02:00:45,770 --> 02:00:44,070

developed by Hydra care to provide you

2532

02:00:48,440 --> 02:00:45,780

with healthy clean water for drinking

2533

02:00:50,390 --> 02:00:48,450

cooking and showering hydro care far

2534

02:00:53,450 --> 02:00:50,400

surpasses the competition in removing

2535

02:00:56,450 --> 02:00:53,460

chlorine odors iron lab chemicals

2536

02:00:58,430 --> 02:00:56,460

limescale and much more don't settle for

2537

02:01:00,320 --> 02:00:58,440

less when it comes to your water we'll

2538

02:01:02,360 --> 02:01:00,330

take care of the toughest water problems

2539

02:01:05,120 --> 02:01:02,370

for you whether it's from a city or well

2540

02:01:07,010 --> 02:01:05,130

source satisfaction guaranteed for more

2541

02:01:09,050 --> 02:01:07,020

information call eight eight eight nine

2542

02:01:12,440 --> 02:01:09,060

nine seven wave that's eight eight eight

2543

02:01:14,720 --> 02:01:12,450

nine nine seven w AV e or go to best

2544

02:01:17,540 --> 02:01:14,730

water one two three comm that's best

2545

02:01:18,400 --> 02:01:17,550

water one two three comm

2546

02:01:21,540 --> 02:01:18,410

Solutions

2547

02:01:23,979 --> 02:01:21,550

[Music]

2548

02:01:25,620 --> 02:01:23,989

your contact for current news and

2549

02:01:29,500 --> 02:01:25,630

trending topics

2550

02:01:31,629 --> 02:01:29,510

KCRA radio.com does your basement or

2551
02:01:33,399 --> 02:01:31,639
crawlspaces have a damp musty smell well

2552
02:01:35,530 --> 02:01:33,409
watch out that's a sign of too much

2553
02:01:37,390 --> 02:01:35,540
moisture and not enough ventilation and

2554
02:01:39,490 --> 02:01:37,400
that can mean increased mold growth and

2555
02:01:41,770 --> 02:01:39,500
the build-up of harmful toxins and gases

2556
02:01:43,930 --> 02:01:41,780
don't bother with a dehumidifier it just

2557
02:01:45,729 --> 02:01:43,940
circulates the same unhealthy air now

2558
02:01:47,590 --> 02:01:45,739
there's a better way to remove these

2559
02:01:49,990 --> 02:01:47,600
dangers and odors it's with the

2560
02:01:51,790 --> 02:01:50,000
computerized wave moisture control unit

2561
02:01:53,410 --> 02:01:51,800
that reduces moisture and expels

2562
02:01:55,419 --> 02:01:53,420
pollutants we replaced our old

2563
02:01:57,700 --> 02:01:55,429

dehumidifier with the wave unit and in

2564

02:02:00,070 --> 02:01:57,710

only three weeks our basement is dry and

2565

02:02:02,050 --> 02:02:00,080

the musty smell is gone wave units

2566

02:02:04,479 --> 02:02:02,060

require no maintenance no buckets of

2567

02:02:06,399 --> 02:02:04,489

water or filters and costs only pennies

2568

02:02:08,200 --> 02:02:06,409

a day to run breathe better live

2569

02:02:10,600 --> 02:02:08,210

healthier with an affordable no

2570

02:02:12,939 --> 02:02:10,610

maintenance wave unit call eight eight

2571

02:02:22,709 --> 02:02:12,949

eight seven one seven wait eight eight

2572

02:02:28,380 --> 02:02:24,820

all solutions

2573

02:02:32,680 --> 02:02:30,670

this is Jimmy Church of fade to black

2574

02:02:35,800 --> 02:02:32,690

and I only drink

2575

02:02:38,350 --> 02:02:35,810

fade to black blend coffee from River

2576
02:02:40,690 --> 02:02:38,360
Moon just click on the River Moon coffee

2577
02:02:45,100 --> 02:02:40,700
banner at Jimmy Church radio.com

2578
02:02:47,380 --> 02:02:45,110
promo code f2 b blend so are you tired

2579
02:02:50,200 --> 02:02:47,390
of being tired well then it's time to

2580
02:02:52,450 --> 02:02:50,210
get the tea hey it's Lisa here to tell

2581
02:02:54,370 --> 02:02:52,460
you about this all-natural all organic

2582
02:02:56,170 --> 02:02:54,380
tea I've been drinking that has had

2583
02:02:59,080 --> 02:02:56,180
great results for over 20 years

2584
02:03:00,910 --> 02:02:59,090
it's called life changed tea and it's

2585
02:03:03,550 --> 02:03:00,920
specially formulated to help detoxify

2586
02:03:06,220 --> 02:03:03,560
and cleanse your kidneys liver colon and

2587
02:03:07,630 --> 02:03:06,230
blood all at once the colon is one of

2588
02:03:10,390 --> 02:03:07,640

the most ignored organs in the human

2589

02:03:12,190 --> 02:03:10,400

body the faster that waste is eliminated

2590

02:03:14,200 --> 02:03:12,200

from the body the less time that way

2591

02:03:16,120 --> 02:03:14,210

sits in our intestines spreading toxins

2592

02:03:18,070 --> 02:03:16,130

to our bloodstream this tea helps

2593

02:03:19,930 --> 02:03:18,080

cleanse chemicals caused by outside

2594

02:03:23,020 --> 02:03:19,940

intruders from our entire digestive

2595

02:03:25,330 --> 02:03:23,030

system and get this weight loss can be a

2596

02:03:27,550 --> 02:03:25,340

side effect and with continued use of

2597

02:03:29,950 --> 02:03:27,560

the tea you can experience clearer

2598

02:03:32,650 --> 02:03:29,960

healthier younger looking skin increased

2599

02:03:34,030 --> 02:03:32,660

energy and a happier outlook on life so

2600

02:03:36,940 --> 02:03:34,040

if you're tired of being tired

2601

02:03:40,810 --> 02:03:36,950

get the life change tea at get the tea

2602

02:03:42,330 --> 02:03:40,820

calm that's get the tea calm and like me

2603

02:03:44,530 --> 02:03:42,340

you'll be glad you did

2604

02:03:46,240 --> 02:03:44,540

did you know that when you're on the

2605

02:03:48,700 --> 02:03:46,250

road with limited data or Wi-Fi

2606

02:03:50,620 --> 02:03:48,710

available you can still listen to every

2607

02:03:53,440 --> 02:03:50,630

minute of fade to black by just calling

2608

02:03:56,470 --> 02:03:53,450

six oh five five six two four four eight

2609

02:03:58,960 --> 02:03:56,480

two no smartphone app or Internet needed

2610

02:04:01,540 --> 02:03:58,970

it saves your data plan and no extra

2611

02:04:04,360 --> 02:04:01,550

cost if you have unlimited minutes just

2612

02:04:06,670 --> 02:04:04,370

call six oh five five six two four four

2613

02:04:09,250 --> 02:04:06,680

eight two you can listen to me Jimmy

2614

02:04:16,090 --> 02:04:09,260

Church on any phone anytime anywhere

2615

02:04:20,130 --> 02:04:17,790

[Music]

2616

02:04:22,270 --> 02:04:20,140

[Applause]

2617

02:04:26,530 --> 02:04:22,280

you wanna know a secret

2618

02:04:29,470 --> 02:04:26,540

I love ponies I really love ponies I'm

2619

02:04:34,000 --> 02:04:29,480

serious I couldn't stay sane without

2620

02:04:39,270 --> 02:04:34,010

Pony mr. brush I fade to black because

2621

02:04:43,240 --> 02:04:41,110

this is fade to black

2622

02:04:46,930 --> 02:04:43,250

with Jimmy Church on the game changer

2623

02:04:49,300 --> 02:04:46,940

radio network and kgr a the global radio

2624

02:05:01,330 --> 02:04:49,310

alliance

2625

02:05:08,479 --> 02:05:03,649

welcome back fade to black I'm your host

2626
02:05:13,209 --> 02:05:08,489
Jimmy Church our guest tonight Randall

2627
02:05:15,469 --> 02:05:13,219
Carlson the conversation sacred geometry

2628
02:05:17,929 --> 02:05:15,479
international.com is the website the

2629
02:05:20,029 --> 02:05:17,939
links for Randall are over at Jimmy

2630
02:05:21,739 --> 02:05:20,039
Church radio.com and of course you can

2631
02:05:25,369 --> 02:05:21,749
also follow Randall on twitter at a

2632
02:05:30,009 --> 02:05:25,379
sacred geometry int right isn't that

2633
02:05:34,819 --> 02:05:30,019
what it is it's a commentary int on

2634
02:05:37,189 --> 02:05:34,829
geometry international it started out as

2635
02:05:40,639 --> 02:05:37,199
sacred geometry Atlanta then it went to

2636
02:05:42,399 --> 02:05:40,649
think sacred geometry America and now

2637
02:05:45,020 --> 02:05:42,409
it's extended to sacred geometry

2638
02:05:47,299 --> 02:05:45,030

International I'm actually pushing for

2639

02:05:49,580 --> 02:05:47,309

sacred geometry galactic right out I

2640

02:05:50,270 --> 02:05:49,590

don't look that's just still a few years

2641

02:05:53,000 --> 02:05:50,280

in the future

2642

02:05:55,040 --> 02:05:53,010

how smug we'll see once once we start

2643

02:05:56,869 --> 02:05:55,050

getting feedback from the Galactic level

2644

02:05:59,629 --> 02:05:56,879

that's when we're old yeah there you go

2645

02:06:04,250 --> 02:05:59,639

I want to give some credit here to

2646

02:06:07,369 --> 02:06:04,260

Cameron how smart is he it's constantly

2647

02:06:09,169 --> 02:06:07,379

surprises me no he's an immensely

2648

02:06:13,520 --> 02:06:09,179

talented individual and he's very

2649

02:06:15,799 --> 02:06:13,530

committed to doing this work I you know

2650

02:06:18,229 --> 02:06:15,809

what's happened in the last ten years I

2651
02:06:20,029 --> 02:06:18,239
couldn't have done without Cameron or my

2652
02:06:22,040 --> 02:06:20,039
other good colleague Brad young I have

2653
02:06:25,009 --> 02:06:22,050
to give credit to both these guys Brad

2654
02:06:28,520 --> 02:06:25,019
Young has put together the Geo cosmic

2655
02:06:31,509 --> 02:06:28,530
Rex dot-com website that has now over a

2656
02:06:34,099 --> 02:06:31,519
hundred video clips on it of our

2657
02:06:37,459 --> 02:06:34,109
excursions out into the field it's also

2658
02:06:39,979 --> 02:06:37,469
got old maybe a dozen or so articles and

2659
02:06:41,599 --> 02:06:39,989
essays that I have written giving

2660
02:06:44,569 --> 02:06:41,609
background to this he's yeah we've got

2661
02:06:46,669 --> 02:06:44,579
he's got videos up there when we were

2662
02:06:47,869 --> 02:06:46,679
traveling with Graham of myself and

2663
02:06:52,310 --> 02:06:47,879

Graham out in the field

2664

02:06:53,810 --> 02:06:52,320

examining this data he's also got drone

2665

02:06:55,939 --> 02:06:53,820

footage now because he's become a

2666

02:06:58,819 --> 02:06:55,949

licensed drone pilot federally licensed

2667

02:07:02,330 --> 02:06:58,829

drone pilots so we are now part of what

2668

02:07:05,629 --> 02:07:02,340

we're doing is archiving drone footage

2669

02:07:08,419 --> 02:07:05,639

of these landscapes of catastrophe so

2670

02:07:10,939 --> 02:07:08,429

those two guys Brad young and Cameron

2671

02:07:12,229 --> 02:07:10,949

Wiltshire have been indispensable to

2672

02:07:14,420 --> 02:07:12,239

everything that's happened in the last

2673

02:07:16,550 --> 02:07:14,430

10 to 20

2674

02:07:19,670 --> 02:07:16,560

Brad and I have been traveling together

2675

02:07:22,760 --> 02:07:19,680

going on about 20 close to 22 years now

2676

02:07:26,570 --> 02:07:22,770

we've done God I've even lost count 40

2677

02:07:29,390 --> 02:07:26,580

or 50 expeditions around documenting

2678

02:07:31,940 --> 02:07:29,400

this so we have hundreds of hours of

2679

02:07:34,670 --> 02:07:31,950

video clips tens of thousands of slides

2680

02:07:37,670 --> 02:07:34,680

and photographs and now we're adding the

2681

02:07:39,770 --> 02:07:37,680

drone footage to it so you'll find

2682

02:07:41,450 --> 02:07:39,780

between those two websites people can

2683

02:07:44,890 --> 02:07:41,460

get pretty much a whole broad spectrum

2684

02:07:47,180 --> 02:07:44,900

of what this research is all about

2685

02:07:49,670 --> 02:07:47,190

because there's on the one hand there's

2686

02:07:51,740 --> 02:07:49,680

this the sacred geometry side of it like

2687

02:07:53,510 --> 02:07:51,750

we've been talking about that was born

2688

02:07:55,220 --> 02:07:53,520

out of the studies of architecture and

2689

02:07:57,530 --> 02:07:55,230

art and things like that and then the

2690

02:08:00,170 --> 02:07:57,540

other side is that what came out of the

2691

02:08:02,960 --> 02:08:00,180

studies of the earth that came out of

2692

02:08:04,400 --> 02:08:02,970

astronomy and to me what's exciting

2693

02:08:07,550 --> 02:08:04,410

about is really we see we're seeing a

2694

02:08:08,960 --> 02:08:07,560

number a convergence of these and it's

2695

02:08:12,020 --> 02:08:08,970

in to that even in the in the

2696

02:08:15,800 --> 02:08:12,030

nomenclature geometry measure of the

2697

02:08:17,330 --> 02:08:15,810

earth geology earth knowledge right so

2698

02:08:21,710 --> 02:08:17,340

they're both referring us back

2699

02:08:23,120 --> 02:08:21,720

ultimately to the earth which is the the

2700

02:08:26,390 --> 02:08:23,130

center of all this action that we're

2701

02:08:28,040 --> 02:08:26,400

talking about but I think that what

2702

02:08:30,530 --> 02:08:28,050

we're having to do now is begin to

2703

02:08:33,920 --> 02:08:30,540

expand our horizons and realize and

2704

02:08:36,410 --> 02:08:33,930

understand that the earth is a much as

2705

02:08:38,750 --> 02:08:36,420

part of a much larger ecosystem

2706

02:08:41,480 --> 02:08:38,760

it is literally part of a cosmic

2707

02:08:43,570 --> 02:08:41,490

ecosystem and this is part of what gets

2708

02:08:45,290 --> 02:08:43,580

me frustrated in a lot of the

2709

02:08:48,940 --> 02:08:45,300

discussions and debate about climate

2710

02:08:51,950 --> 02:08:48,950

change is that we seem to be focused now

2711

02:08:54,650 --> 02:08:51,960

exclusively on the human influence on

2712

02:08:58,130 --> 02:08:54,660

climate - the neglect of what we're

2713

02:09:00,590 --> 02:08:58,140

learning is lots of other very potent

2714

02:09:02,870 --> 02:09:00,600

and powerful influences on the climate

2715

02:09:04,990 --> 02:09:02,880

both coming into genetic and oh

2716

02:09:08,090 --> 02:09:05,000

genetically from within the earth and

2717

02:09:09,890 --> 02:09:08,100

exogenetically from outside the earth and

2718

02:09:13,220 --> 02:09:09,900

sometimes the two interacting together

2719

02:09:16,130 --> 02:09:13,230

so for example when you go back and you

2720

02:09:19,820 --> 02:09:16,140

look at some of the first the dating of

2721

02:09:21,170 --> 02:09:19,830

the Younger Dryas event which is twelve

2722

02:09:23,900 --> 02:09:21,180

thousand nine hundred were the black

2723

02:09:26,510 --> 02:09:23,910

mantas if you go into the flood lands of

2724

02:09:28,400 --> 02:09:26,520

Eastern Washington what you'll find is

2725

02:09:31,490 --> 02:09:28,410

that there are these gigantic black

2726
02:09:34,700 --> 02:09:31,500
back flood sedimentary layers some are

2727
02:09:36,800 --> 02:09:34,710
three and four feet thick sandwiched in

2728
02:09:40,160 --> 02:09:36,810
between these you see volcanic ash

2729
02:09:41,990 --> 02:09:40,170
there's an example of a gully that got

2730
02:09:47,600 --> 02:09:42,000
exposed in Eastern Washington that's

2731
02:09:52,750 --> 02:09:47,610
composed of a whole succession of about

2732
02:09:56,470 --> 02:09:52,760
39 or 40 layers of these bath floods and

2733
02:10:00,980 --> 02:09:56,480
sandwiched in there is ash that was

2734
02:10:02,660 --> 02:10:00,990
discharged or thrown out of Mount st.

2735
02:10:06,080 --> 02:10:02,670
Helens and it was undergoing a

2736
02:10:08,150 --> 02:10:06,090
tremendous volcanic eruption and at the

2737
02:10:10,250 --> 02:10:08,160
same time these tremendous floods were

2738
02:10:12,350 --> 02:10:10,260

going on and there were other huge

2739

02:10:13,970 --> 02:10:12,360

volcanic eruptions around the planet

2740

02:10:16,220 --> 02:10:13,980

that were taking place at the same time

2741

02:10:17,810 --> 02:10:16,230

and it would make sense when you think

2742

02:10:21,050 --> 02:10:17,820

about it because when you have this

2743

02:10:24,220 --> 02:10:21,060

rapid melting of ice releasing the loads

2744

02:10:27,770 --> 02:10:24,230

on the North American continent and the

2745

02:10:29,750 --> 02:10:27,780

northwestern European continent and the

2746

02:10:32,360 --> 02:10:29,760

transfer of that tremendous amount of

2747

02:10:35,300 --> 02:10:32,370

weight back into the ocean basins there

2748

02:10:37,600 --> 02:10:35,310

has to be a tectonic and seismic

2749

02:10:40,250 --> 02:10:37,610

response you can't get around

2750

02:10:42,800 --> 02:10:40,260

transferring that much mass that much

2751
02:10:44,960 --> 02:10:42,810
weight around shifting it around on the

2752
02:10:47,240 --> 02:10:44,970
surface of the earth without having a

2753
02:10:49,610 --> 02:10:47,250
subsurface response so it would make

2754
02:10:52,820 --> 02:10:49,620
totally perfect sense that you would

2755
02:10:55,490 --> 02:10:52,830
have tremendous examples of volcanism

2756
02:10:58,400 --> 02:10:55,500
and seismic activity and both of which

2757
02:11:00,830 --> 02:10:58,410
are now being documented in abundance to

2758
02:11:04,340 --> 02:11:00,840
have occurred during this transition so

2759
02:11:08,090 --> 02:11:04,350
really this whole epoch of transition

2760
02:11:09,790 --> 02:11:08,100
was like a perfect storm of stuff we

2761
02:11:12,920 --> 02:11:09,800
haven't really thought well yeah

2762
02:11:16,220 --> 02:11:12,930
actually I'm probably gonna help you

2763
02:11:18,500 --> 02:11:16,230

continue that thought we had a really

2764

02:11:20,270 --> 02:11:18,510

great show the other night with your

2765

02:11:22,940 --> 02:11:20,280

good friend at night and Gale our good

2766

02:11:25,190 --> 02:11:22,950

friend member of this family and one of

2767

02:11:29,500 --> 02:11:25,200

the things that came out in my mind's

2768

02:11:33,320 --> 02:11:29,510

eye from that conversation is that these

2769

02:11:35,210 --> 02:11:33,330

these events here now we talk about you

2770

02:11:36,650 --> 02:11:35,220

know ice ages and these these these

2771

02:11:40,010 --> 02:11:36,660

grand events but there's also other

2772

02:11:42,790 --> 02:11:40,020

things that I think to consider volcanic

2773

02:11:45,400 --> 02:11:42,800

eruptions earth

2774

02:11:51,160 --> 02:11:45,410

he's these huge things that happen that

2775

02:11:53,380 --> 02:11:51,170

maybe these forces are triggered inside

2776

02:11:55,660 --> 02:11:53,390

this this planet of course but from

2777

02:11:58,660 --> 02:11:55,670

external forces that are occurring out

2778

02:12:00,940 --> 02:11:58,670

in in in the galaxy and throughout the

2779

02:12:02,710 --> 02:12:00,950

universe and what do you think about

2780

02:12:06,610 --> 02:12:02,720

that because we're talking about the

2781

02:12:08,050 --> 02:12:06,620

zodiac and the alignments and it seems

2782

02:12:11,710 --> 02:12:08,060

like there could be something else going

2783

02:12:14,980 --> 02:12:11,720

on that we're looking to us you know of

2784

02:12:17,440 --> 02:12:14,990

this planet and us as being some of the

2785

02:12:19,600 --> 02:12:17,450

causes of it we may not have any control

2786

02:12:20,670 --> 02:12:19,610

at all and it may be happening from

2787

02:12:23,440 --> 02:12:20,680

off-planet

2788

02:12:26,560 --> 02:12:23,450

well I think you're exactly right Jimmy

2789

02:12:28,330 --> 02:12:26,570

and and I'll try to explain a model that

2790

02:12:30,880 --> 02:12:28,340

I think is kind of something that is

2791

02:12:33,850 --> 02:12:30,890

being supported by accumulating evidence

2792

02:12:35,560 --> 02:12:33,860

it begins to make sense we've got a

2793

02:12:37,420 --> 02:12:35,570

solar system level and we have a

2794

02:12:39,760 --> 02:12:37,430

galactic level and if we look at the

2795

02:12:42,700 --> 02:12:39,770

architecture of the solar system we see

2796

02:12:44,620 --> 02:12:42,710

we've got a zone of inner planets and we

2797

02:12:47,020 --> 02:12:44,630

have a zone of outer planets much larger

2798

02:12:49,720 --> 02:12:47,030

outer planets which consist of Jupiter

2799

02:12:52,930 --> 02:12:49,730

Saturn Uranus and Neptune then if you

2800

02:12:55,390 --> 02:12:52,940

get outside the orbit of Neptune you get

2801
02:12:57,840 --> 02:12:55,400
into a zone called the Kuiper belt which

2802
02:13:00,720 --> 02:12:57,850
is a zone of billions of comets

2803
02:13:02,890 --> 02:13:00,730
presumably left over from the original

2804
02:13:06,820 --> 02:13:02,900
construction of the solar system

2805
02:13:10,000 --> 02:13:06,830
now this belt of comets ranges from oh I

2806
02:13:13,960 --> 02:13:10,010
think about 20 astronomical units out to

2807
02:13:16,120 --> 02:13:13,970
maybe 200 astronomical units now an

2808
02:13:19,600 --> 02:13:16,130
astronomical unit is the distance from

2809
02:13:21,610 --> 02:13:19,610
the earth to the Sun okay then going way

2810
02:13:24,880 --> 02:13:21,620
beyond the Kuiper disk you get into

2811
02:13:28,320 --> 02:13:24,890
another area of a disc that's part of

2812
02:13:31,750 --> 02:13:28,330
the word cloud which is a hypothesized

2813
02:13:35,320 --> 02:13:31,760

sphere of cometary bodies that surrounds

2814

02:13:37,810 --> 02:13:35,330

the solar system way I mean way out out

2815

02:13:40,330 --> 02:13:37,820

halfway to the nearest stars so you're

2816

02:13:42,750 --> 02:13:40,340

looking at even extending out thousands

2817

02:13:46,150 --> 02:13:42,760

of light-years and not like yours

2818

02:13:51,330 --> 02:13:46,160

astronomical units from the inner solar

2819

02:13:55,209 --> 02:13:51,340

system right now it's hypothesized upon

2820

02:13:59,890 --> 02:13:55,219

you know upon reasonable conjecture

2821

02:14:04,379 --> 02:13:59,900

that the word cloud is periodically

2822

02:14:07,060 --> 02:14:04,389

affected by events on the Galactic level

2823

02:14:09,069 --> 02:14:07,070

so because of the fact that the word

2824

02:14:11,219 --> 02:14:09,079

cloud is so far away it's it's only

2825

02:14:14,500 --> 02:14:11,229

loosely bound to the inner solar system

2826

02:14:19,109 --> 02:14:14,510

so it can be affected by the

2827

02:14:24,009 --> 02:14:19,119

gravitational pull of the galaxy or

2828

02:14:25,410 --> 02:14:24,019

passing stars possibly nova events you

2829

02:14:28,810 --> 02:14:25,420

know the fact that our solar system

2830

02:14:31,899 --> 02:14:28,820

wobbles up and down above and below the

2831

02:14:34,600 --> 02:14:31,909

Galactic plane the Galactic plane is the

2832

02:14:37,959 --> 02:14:34,610

area of greatest concentration of

2833

02:14:40,060 --> 02:14:37,969

greatest density of material so as our

2834

02:14:42,250 --> 02:14:40,070

solar system oscillates above and below

2835

02:14:46,149 --> 02:14:42,260

it's possible that these events on a

2836

02:14:49,750 --> 02:14:46,159

galactic level or possibly to use the

2837

02:14:51,939 --> 02:14:49,760

scenario of palsy of electi which was

2838

02:14:54,430 --> 02:14:51,949

the galactic pulse that periodically

2839

02:14:55,419 --> 02:14:54,440

there are core explosions at the the

2840

02:14:57,819 --> 02:14:55,429

galactic center

2841

02:15:00,160 --> 02:14:57,829

whatever the cause whether it's a

2842

02:15:02,259 --> 02:15:00,170

passing star whether it's a nova event

2843

02:15:04,209 --> 02:15:02,269

whether it's the oscillation of the

2844

02:15:06,910 --> 02:15:04,219

solar system above and below the

2845

02:15:09,790 --> 02:15:06,920

Galactic plane whether it's galactic or

2846

02:15:12,520 --> 02:15:09,800

explosions something on that level can

2847

02:15:14,439 --> 02:15:12,530

affect the word cloud and the stability

2848

02:15:16,959 --> 02:15:14,449

of comets in the Oort cloud know when

2849

02:15:19,810 --> 02:15:16,969

that happens when they become dislodged

2850

02:15:23,200 --> 02:15:19,820

from their orbits they begin to migrate

2851
02:15:25,540 --> 02:15:23,210
towards the inner solar system okay

2852
02:15:27,580 --> 02:15:25,550
now what can happen is they can become

2853
02:15:30,669 --> 02:15:27,590
short period comets or they can become

2854
02:15:33,009 --> 02:15:30,679
residents of the Kuiper belt which is

2855
02:15:35,680 --> 02:15:33,019
this the zone now the disk of comets

2856
02:15:39,069 --> 02:15:35,690
that exist pretty much just outside the

2857
02:15:41,439 --> 02:15:39,079
orbit of Neptune right so now here's the

2858
02:15:44,529 --> 02:15:41,449
picture on the Galactic level comet can

2859
02:15:46,779 --> 02:15:44,539
be perturbed in the Oort cloud that can

2860
02:15:48,310 --> 02:15:46,789
send a cascade of comets towards the

2861
02:15:50,469 --> 02:15:48,320
inner solar system now it may take

2862
02:15:52,270 --> 02:15:50,479
hundreds of thousands of years for them

2863
02:15:54,189 --> 02:15:52,280

to make that journey from way out there

2864

02:15:57,009 --> 02:15:54,199

especially because they're on long

2865

02:15:59,140 --> 02:15:57,019

spiraling orbits that each each passage

2866

02:16:01,629 --> 02:15:59,150

brings them in closer to the inner solar

2867

02:16:04,089 --> 02:16:01,639

system and closer to the Sun right and

2868

02:16:07,149 --> 02:16:04,099

then you have the Kuiper disk so the

2869

02:16:08,830 --> 02:16:07,159

Kuiper disk now is close enough that it

2870

02:16:10,990 --> 02:16:08,840

can be affected by

2871

02:16:13,870 --> 02:16:11,000

the outer planets and there's some very

2872

02:16:15,660 --> 02:16:13,880

interesting work that has been done what

2873

02:16:19,780 --> 02:16:15,670

were their names

2874

02:16:22,000 --> 02:16:19,790

let's see Harold Levinson Boulder

2875

02:16:23,710 --> 02:16:22,010

Colorado let's see Martin Duncan who was

2876

02:16:25,840 --> 02:16:23,720

with Queens University at Kingston

2877

02:16:29,050 --> 02:16:25,850

Ontario I'm trying to pull up my some

2878

02:16:32,860 --> 02:16:29,060

notes here yeah they published a very

2879

02:16:35,440 --> 02:16:32,870

results of a very interesting study go

2880

02:16:37,930 --> 02:16:35,450

back oh gosh it's been close to 15 years

2881

02:16:40,780 --> 02:16:37,940

now I think I don't remember the exact

2882

02:16:44,919 --> 02:16:40,790

date of it but they published their

2883

02:16:48,910 --> 02:16:44,929

studies which was a computer a very

2884

02:16:53,589 --> 02:16:48,920

sophisticated computer study of how

2885

02:16:56,589 --> 02:16:53,599

comets end up being transferred into the

2886

02:16:59,230 --> 02:16:56,599

inner solar system where they can okay I

2887

02:17:02,950 --> 02:16:59,240

found it here let's see here's what it

2888

02:17:06,100 --> 02:17:02,960

says with the existence of the Kuiper

2889

02:17:08,200 --> 02:17:06,110

belt no longer in doubt this was gosh

2890

02:17:09,550 --> 02:17:08,210

published in science news I don't think

2891

02:17:11,680 --> 02:17:09,560

I have the date handy but it was about

2892

02:17:13,620 --> 02:17:11,690

15 years ago with the existence of the

2893

02:17:16,330 --> 02:17:13,630

Kuiper belt no longer in doubt

2894

02:17:18,209 --> 02:17:16,340

researchers have turned to another

2895

02:17:21,010 --> 02:17:18,219

question how do short period comets

2896

02:17:23,860 --> 02:17:21,020

leave this storehouse and how do they

2897

02:17:26,140 --> 02:17:23,870

venture into the inner solar system a

2898

02:17:27,910 --> 02:17:26,150

year ago researchers provided the

2899

02:17:30,400 --> 02:17:27,920

definitive answer to the first part of

2900

02:17:32,740 --> 02:17:30,410

the riddle in the simplest terms comets

2901

02:17:37,419 --> 02:17:32,750

leave the belt because it has a slow

2902

02:17:39,910 --> 02:17:37,429

leak so Martin Duncan Stewart and bud

2903

02:17:42,360 --> 02:17:39,920

and Harold F Levison reported the

2904

02:17:45,510 --> 02:17:42,370

results of the most extensive computer

2905

02:17:50,770 --> 02:17:45,520

simulation ever done of the Kuiper belt

2906

02:17:53,169 --> 02:17:50,780

so what happens is this some of the

2907

02:17:56,020 --> 02:17:53,179

Comets that escaped from the Kuiper belt

2908

02:17:59,500 --> 02:17:56,030

move away from the solar system others

2909

02:18:01,870 --> 02:17:59,510

get flung in inward in the in towards

2910

02:18:04,690 --> 02:18:01,880

the orbit of Neptune now here I'll go

2911

02:18:06,730 --> 02:18:04,700

back to quoting the article here once a

2912

02:18:10,240 --> 02:18:06,740

comet falls into Neptune's gravitational

2913

02:18:12,700 --> 02:18:10,250

clutches the other large outer planets

2914

02:18:15,760 --> 02:18:12,710

start to exert their own gravitational

2915

02:18:17,620 --> 02:18:15,770

influence in this way some comets from

2916

02:18:19,990 --> 02:18:17,630

the Kuiper belt make their way toward

2917

02:18:21,730 --> 02:18:20,000

the inner solar system where they come

2918

02:18:23,110 --> 02:18:21,740

alive in the sun's warm

2919

02:18:25,180 --> 02:18:23,120

now here's where it gets interesting

2920

02:18:28,480 --> 02:18:25,190

here's what their computer simulations

2921

02:18:31,300 --> 02:18:28,490

showed the new calculations by Levison &

2922

02:18:34,350 --> 02:18:31,310

duncan show the one shouldn't take such

2923

02:18:38,620 --> 02:18:34,360

a model for granted because it's only

2924

02:18:42,550 --> 02:18:38,630

because Neptune Uranus Saturn and

2925

02:18:45,670 --> 02:18:42,560

Jupiter are spaced exactly far enough

2926

02:18:48,940 --> 02:18:45,680

apart that each has a chance of handing

2927

02:18:51,220 --> 02:18:48,950

off a comet to the next and of course

2928

02:18:53,920 --> 02:18:51,230

once that bucket brigade once that

2929

02:18:55,840 --> 02:18:53,930

handing off reaches Jupiter Jupiter you

2930

02:18:57,940 --> 02:18:55,850

know like the Greek god Jupiter hurling

2931

02:18:59,710 --> 02:18:57,950

his Thunderbolts hurls those comets

2932

02:19:02,710 --> 02:18:59,720

either towards the Sun or hurls them

2933

02:19:05,290 --> 02:19:02,720

back out into deep space now if they get

2934

02:19:07,600 --> 02:19:05,300

hurled towards the Sun what happens they

2935

02:19:11,080 --> 02:19:07,610

become activated they come out of their

2936

02:19:14,110 --> 02:19:11,090

their deep space hibernation and they

2937

02:19:16,090 --> 02:19:14,120

begin to basically come alive now if we

2938

02:19:18,730 --> 02:19:16,100

look at the lifecycle of a comet there's

2939

02:19:21,610 --> 02:19:18,740

basically five stages the original stage

2940

02:19:24,220 --> 02:19:21,620

was and the aggregation which was the

2941

02:19:26,380 --> 02:19:24,230

accretion of interstellar matter their

2942

02:19:28,870 --> 02:19:26,390

condensation integration and final

2943

02:19:31,450 --> 02:19:28,880

ejection from the inner solar system and

2944

02:19:34,780 --> 02:19:31,460

this is what I refer to as the stone the

2945

02:19:36,690 --> 02:19:34,790

builders rejected and this is now what

2946

02:19:40,260 --> 02:19:36,700

sort forms the basis for the reservoir

2947

02:19:42,340 --> 02:19:40,270

of comets the second thing now is

2948

02:19:44,560 --> 02:19:42,350

hibernation because once they're in the

2949

02:19:46,090 --> 02:19:44,570

word cloud or the Kuiper disk they're so

2950

02:19:49,421 --> 02:19:46,100

far removed from the Sun that they go

2951
02:19:51,671 --> 02:19:49,431
into this state of deep freeze well the

2952
02:19:54,250 --> 02:19:51,681
third stage is activation when they

2953
02:19:56,921 --> 02:19:54,260
become perturbed by whatever source if

2954
02:19:59,440 --> 02:19:56,931
if it's the Oort cloud as I said to

2955
02:20:01,690 --> 02:19:59,450
perturbed on a galactic level if it's

2956
02:20:04,511 --> 02:20:01,700
the Kuiper disc the inner zone they get

2957
02:20:07,000 --> 02:20:04,521
perturbed by get this conjunctions of

2958
02:20:09,190 --> 02:20:07,010
the four outer planets right so we

2959
02:20:11,320 --> 02:20:09,200
almost have like an astrological model

2960
02:20:13,211 --> 02:20:11,330
here when these four outer planets as

2961
02:20:14,770 --> 02:20:13,221
this computer simulation showed are in

2962
02:20:17,461 --> 02:20:14,780
the right position relative to each

2963
02:20:19,961 --> 02:20:17,471

other and their gravitational fields

2964

02:20:22,511 --> 02:20:19,971

feedback positively and amplify each

2965

02:20:24,310 --> 02:20:22,521

other they can they can capture these

2966

02:20:27,761 --> 02:20:24,320

comets and that's when the bucket

2967

02:20:30,820 --> 02:20:27,771

brigade starts when it goes from from

2968

02:20:32,770 --> 02:20:30,830

the outer from from Neptune into uranus

2969

02:20:34,780 --> 02:20:32,780

from uranus that hands it off to Saturn

2970

02:20:35,349 --> 02:20:34,790

Saturn and hands it off to Jupiter and

2971

02:20:37,659 --> 02:20:35,359

then

2972

02:20:39,939 --> 02:20:37,669

king of the planets either throws that

2973

02:20:42,369 --> 02:20:39,949

comet back out of the solar system or

2974

02:20:44,830 --> 02:20:42,379

throws it towards the Sun once it starts

2975

02:20:47,409 --> 02:20:44,840

moving towards the Sun once this orbital

2976
02:20:48,279 --> 02:20:47,419
transfer takes place and the Sun we're

2977
02:20:51,099 --> 02:20:48,289
journey begins

2978
02:20:53,979 --> 02:20:51,109
then the comet becomes active it starts

2979
02:20:56,260 --> 02:20:53,989
outgassing it forms a tail it begins its

2980
02:20:59,529 --> 02:20:56,270
first stages of transformation to a D

2981
02:21:01,929 --> 02:20:59,539
volatilized nuclei the next stages it

2982
02:21:04,540 --> 02:21:01,939
begins to undergo disintegration if it's

2983
02:21:06,309 --> 02:21:04,550
an icy matrix that will be vaporization

2984
02:21:08,469 --> 02:21:06,319
of the icy matrix there will be a

2985
02:21:10,630 --> 02:21:08,479
disintegration of the comet nucleus and

2986
02:21:12,729 --> 02:21:10,640
it will begin to form a meteor and dust

2987
02:21:15,670 --> 02:21:12,739
stream after successive orbits around

2988
02:21:18,790 --> 02:21:15,680

the Sun the final stage which I call

2989

02:21:22,149 --> 02:21:18,800

amalgamation is involve solar or

2990

02:21:23,769 --> 02:21:22,159

planetary encounters and this is if the

2991

02:21:26,349 --> 02:21:23,779

piece of a comet the piece of Duvall

2992

02:21:28,119 --> 02:21:26,359

Atal eyes nuclei it's a planet it

2993

02:21:28,960 --> 02:21:28,129

creates a crater so you have crater

2994

02:21:31,359 --> 02:21:28,970

formation

2995

02:21:34,149 --> 02:21:31,369

you also have raw material injection

2996

02:21:37,059 --> 02:21:34,159

into the Earth's atmosphere into the

2997

02:21:39,580 --> 02:21:37,069

hydrosphere into the lithosphere into

2998

02:21:42,819 --> 02:21:39,590

the biosphere and I think this provides

2999

02:21:45,369 --> 02:21:42,829

a primary stimulus to the extinction

3000

02:21:47,019 --> 02:21:45,379

evolution cycles that we see and we

3001

02:21:50,170 --> 02:21:47,029

could have a whole long discussion about

3002

02:21:52,000 --> 02:21:50,180

these celestial influences on life here

3003

02:21:54,219 --> 02:21:52,010

below but I think that these represent

3004

02:21:56,679 --> 02:21:54,229

the five stages in the life cycle of a

3005

02:21:59,739 --> 02:21:56,689

comet and the final stage is that it can

3006

02:22:02,800 --> 02:21:59,749

form streams of dust it can form

3007

02:22:05,170 --> 02:22:02,810

meteorite streams um it can become part

3008

02:22:07,179 --> 02:22:05,180

of the family of sungrazing comets which

3009

02:22:09,250 --> 02:22:07,189

is like a new family of comets it's only

3010

02:22:11,949 --> 02:22:09,260

been discovered within the last decade

3011

02:22:14,979 --> 02:22:11,959

or so and which shows us that that

3012

02:22:16,840 --> 02:22:14,989

comets in the inner solar system there's

3013

02:22:18,639 --> 02:22:16,850

way way more of them than anybody

3014

02:22:21,460 --> 02:22:18,649

expected but a lot of them are invisible

3015

02:22:24,609 --> 02:22:21,470

and they're seen regularly falling into

3016

02:22:27,880 --> 02:22:24,619

the Sun and these are the Sun grazing

3017

02:22:31,029 --> 02:22:27,890

comets which again is a very new thing

3018

02:22:33,069 --> 02:22:31,039

but seems to be a potential trigger for

3019

02:22:35,739 --> 02:22:33,079

heightened solar activity if the

3020

02:22:38,519 --> 02:22:35,749

cometary mass plunging into the Sun is

3021

02:22:41,019 --> 02:22:38,529

big enough it may serve as a trigger

3022

02:22:43,569 --> 02:22:41,029

let's see in I'm pulling up something

3023

02:22:46,809 --> 02:22:43,579

else here my heavy do you know how heavy

3024

02:22:48,210 --> 02:22:46,819

of a thought that is you know to wrap

3025

02:22:50,729 --> 02:22:48,220

your mind around

3026

02:22:55,439 --> 02:22:50,739

and who would have considered this in

3027

02:22:58,309 --> 02:22:55,449

the past that is very very fitting and

3028

02:23:02,189 --> 02:22:58,319

here's the really remarkable thing Jimmy

3029

02:23:05,460 --> 02:23:02,199

we're talking about an architecture of a

3030

02:23:07,889 --> 02:23:05,470

solar system here because if if the

3031

02:23:09,719 --> 02:23:07,899

outer planets were not aligned exactly

3032

02:23:12,330 --> 02:23:09,729

as they were and by implication it also

3033

02:23:15,479 --> 02:23:12,340

is the the masses of them have to be

3034

02:23:18,870 --> 02:23:15,489

exactly the same this orbital transfer

3035

02:23:21,719 --> 02:23:18,880

of comets could not happen well as we're

3036

02:23:24,029 --> 02:23:21,729

finding out comets may be the harbingers

3037

02:23:27,599 --> 02:23:24,039

of life on earth they probably are they

3038

02:23:30,689 --> 02:23:27,609

almost certainly are delivering the raw

3039

02:23:33,300 --> 02:23:30,699

materials for the formation of primitive

3040

02:23:36,389 --> 02:23:33,310

and both primitive and higher life forms

3041

02:23:40,109 --> 02:23:36,399

so what's interesting here is the same

3042

02:23:45,210 --> 02:23:40,119

force the same celestial agency could be

3043

02:23:47,219 --> 02:23:45,220

not only the the destroyer of ecosystems

3044

02:23:49,590 --> 02:23:47,229

to destroy our civilizations it could

3045

02:23:52,710 --> 02:23:49,600

also be what triggers the birth of new

3046

02:23:56,449 --> 02:23:52,720

systems new eco systems by introducing

3047

02:23:59,849 --> 02:23:56,459

the raw material for genetic mutations

3048

02:24:01,830 --> 02:23:59,859

and we're beginning to find that kind of

3049

02:24:04,830 --> 02:24:01,840

evidence for example in the wake of the

3050

02:24:07,139 --> 02:24:04,840

Tunguska event of 1908 all kinds of

3051
02:24:10,559 --> 02:24:07,149
interesting genetic anomalies are being

3052
02:24:13,529 --> 02:24:10,569
discovered ever accelerated evolution

3053
02:24:15,210 --> 02:24:13,539
and so on and there's a whole science I

3054
02:24:17,880 --> 02:24:15,220
think that we're just on the very verge

3055
02:24:20,340 --> 02:24:17,890
of beginning to understand about the

3056
02:24:23,130 --> 02:24:20,350
relation of life that life is ultimately

3057
02:24:25,319 --> 02:24:23,140
cosmic in origin and not terrestrial and

3058
02:24:26,639 --> 02:24:25,329
see if that's the case Jimmy look what

3059
02:24:28,170 --> 02:24:26,649
we're sitting look over thinking about

3060
02:24:30,080 --> 02:24:28,180
you when you start looking at the

3061
02:24:32,910 --> 02:24:30,090
architecture of the solar system you

3062
02:24:36,090 --> 02:24:32,920
can't change those parameters hardly at

3063
02:24:37,949 --> 02:24:36,100

all and the whole thing disappears all

3064

02:24:40,859 --> 02:24:37,959

of it life on Earth is gone right

3065

02:24:43,559 --> 02:24:40,869

everything that is this is issued from

3066

02:24:44,370 --> 02:24:43,569

primitive life in the oceans coming out

3067

02:24:47,609 --> 02:24:44,380

of the oceans

3068

02:24:50,699 --> 02:24:47,619

you know because think about this in

3069

02:24:52,679 --> 02:24:50,709

order to transfer life from the oceans

3070

02:24:54,870 --> 02:24:52,689

from marine existence to a land-based

3071

02:24:57,179 --> 02:24:54,880

existence you have to have this interim

3072

02:24:59,519 --> 02:24:57,189

zone you have to have a transitional

3073

02:25:02,099 --> 02:24:59,529

zone right what provides that

3074

02:25:04,170 --> 02:25:02,109

transitional zone it's the intertidal

3075

02:25:06,809 --> 02:25:04,180

zone and what creates that intertidal

3076

02:25:09,689 --> 02:25:06,819

zone the tides and what creates the

3077

02:25:13,050 --> 02:25:09,699

tides the moon take the moon away and

3078

02:25:15,779 --> 02:25:13,060

you've got no way could get primitive

3079

02:25:19,979 --> 02:25:15,789

life out of the waters of the ocean onto

3080

02:25:24,300 --> 02:25:19,989

land so without getting too teleological

3081

02:25:26,809 --> 02:25:24,310

here I can't help but look at the what

3082

02:25:30,389 --> 02:25:26,819

would we say the Goldilocks conditions

3083

02:25:33,359 --> 02:25:30,399

of our solar system that have to be just

3084

02:25:35,790 --> 02:25:33,369

exactly right or none of this happens

3085

02:25:38,219 --> 02:25:35,800

you know if we were to Chloe if we were

3086

02:25:40,559 --> 02:25:38,229

a little bit closer to the Sun man it's

3087

02:25:42,090 --> 02:25:40,569

too hot that's really the whole planet

3088

02:25:43,739 --> 02:25:42,100

would become desert if we're a little

3089

02:25:45,809 --> 02:25:43,749

bit further away the whole planet

3090

02:25:47,580 --> 02:25:45,819

becomes locked in a permanent ice age if

3091

02:25:50,340 --> 02:25:47,590

we're a little bit smaller

3092

02:25:52,500 --> 02:25:50,350

well the gravitation field is too weak

3093

02:25:55,139 --> 02:25:52,510

right if we're a little bit bigger the

3094

02:25:57,059 --> 02:25:55,149

gravitational field is too big and too

3095

02:25:59,460 --> 02:25:57,069

great and we would basically never get

3096

02:26:02,519 --> 02:25:59,470

beyond we would all be slugs we would be

3097

02:26:04,739 --> 02:26:02,529

slugs now having this conversation but

3098

02:26:07,050 --> 02:26:04,749

you see what I'm getting into is once we

3099

02:26:10,019 --> 02:26:07,060

start defining the parameters we realize

3100

02:26:13,369 --> 02:26:10,029

that God darn it looks like this whole

3101
02:26:15,989 --> 02:26:13,379
system was designed or the most bizarre

3102
02:26:18,569 --> 02:26:15,999
accident and how many times could this

3103
02:26:20,699 --> 02:26:18,579
accident have occurred in the galaxy or

3104
02:26:24,599 --> 02:26:20,709
even in the universe I have no idea I

3105
02:26:26,279 --> 02:26:24,609
don't we've got three minutes to the

3106
02:26:28,080 --> 02:26:26,289
break two minutes I want to get this

3107
02:26:29,489 --> 02:26:28,090
thought out and what I'm gonna keep you

3108
02:26:34,139 --> 02:26:29,499
for overtime you're not going to go to

3109
02:26:36,960 --> 02:26:34,149
bed yet is is this after every mass

3110
02:26:40,050 --> 02:26:36,970
extinction that we had on this planet

3111
02:26:42,840 --> 02:26:40,060
and some of them were huge were 90 you

3112
02:26:47,340 --> 02:26:42,850
know five 90 percent of everything died

3113
02:26:49,309 --> 02:26:47,350

yeah everything we had every tens of

3114

02:26:51,989 --> 02:26:49,319

thousands if not millions of species

3115

02:26:54,989 --> 02:26:51,999

sprouted up overnight so how did they

3116

02:26:57,510 --> 02:26:54,999

get here how did that happen you know I

3117

02:27:01,409 --> 02:26:57,520

could it have been a comet was there

3118

02:27:05,760 --> 02:27:01,419

some kind of cosmic event where we just

3119

02:27:08,090 --> 02:27:05,770

got receded overnight well have you

3120

02:27:12,080 --> 02:27:08,100

heard of the theory of panspermia

3121

02:27:14,399 --> 02:27:12,090

absolutely of course you have yeah now

3122

02:27:15,780 --> 02:27:14,409

which is certainly I think a very

3123

02:27:18,480 --> 02:27:15,790

plausible is

3124

02:27:21,330 --> 02:27:18,490

any as through the origin of life on

3125

02:27:23,940 --> 02:27:21,340

earth now of course a sceptic could say

3126

02:27:25,740 --> 02:27:23,950

well then how do you explain the the

3127

02:27:28,110 --> 02:27:25,750

source of life even if it's cosmic an

3128

02:27:30,900 --> 02:27:28,120

the answer quite honestly is I don't

3129

02:27:33,240 --> 02:27:30,910

know and nobody else knows all we can do

3130

02:27:34,800 --> 02:27:33,250

is speculate you know I great to cultist

3131

02:27:37,020 --> 02:27:34,810

at the early part of the 20th century

3132

02:27:38,610 --> 02:27:37,030

said well it was just it was all the

3133

02:27:41,370 --> 02:27:38,620

miracle at the beginning and everything

3134

02:27:42,810 --> 02:27:41,380

since then has been physics right so we

3135

02:27:44,310 --> 02:27:42,820

can push it back to them whatever the

3136

02:27:45,900 --> 02:27:44,320

beginning of the universe and yeah

3137

02:27:48,660 --> 02:27:45,910

nobody can explain that nobody can

3138

02:27:50,910 --> 02:27:48,670

explain what existed before the universe

3139

02:27:53,370 --> 02:27:50,920

you know what does it even mean to ask

3140

02:27:55,890 --> 02:27:53,380

that question what existed before time

3141

02:27:57,840 --> 02:27:55,900

what existed before space you know it

3142

02:28:00,360 --> 02:27:57,850

I don't usually even go there because

3143

02:28:02,460 --> 02:28:00,370

I'm you know I'm gonna leave that to the

3144

02:28:04,800 --> 02:28:02,470

cosmologists I've got to stick a little

3145

02:28:06,930 --> 02:28:04,810

closer to home so I've kind of put my

3146

02:28:14,190 --> 02:28:06,940

limits you know at the medical acta clev

3147

02:28:17,160 --> 02:28:14,200

'I I don't have not even control limit

3148

02:28:19,170 --> 02:28:17,170

somewhere no you don't Randall and this

3149

02:28:21,480 --> 02:28:19,180

the second and we start putting limits

3150

02:28:24,360 --> 02:28:21,490

on asking questions and and and

3151
02:28:27,511 --> 02:28:24,370
pondering the existence of everything we

3152
02:28:36,330 --> 02:28:27,521
lose so don't stop and let's continue at

3153
02:28:38,160 --> 02:28:36,340
O break our guest tonight the one and

3154
02:28:39,450 --> 02:28:38,170
only Randall Carlson we're gonna do some

3155
02:28:40,350 --> 02:28:39,460
overtime right here we're gonna pick

3156
02:28:42,630 --> 02:28:40,360
this when we come back

3157
02:28:45,900 --> 02:28:42,640
listen Randall I just got a couple of a

3158
02:28:49,110 --> 02:28:45,910
text and an email and a tweet saying we

3159
02:28:52,050 --> 02:28:49,120
can't let the recap structure go so

3160
02:28:54,000 --> 02:28:52,060
let's say I wrote it down we'll come

3161
02:28:54,210 --> 02:28:54,010
back and discuss that this is fade to

3162
02:28:56,761 --> 02:28:54,220
black

3163
02:29:00,200 --> 02:28:56,771

oh yes tonight Randall Carlson I'll be

3164

02:29:00,210 --> 02:29:13,581

[Music]

3165

02:29:19,110 --> 02:29:16,411

Viveca box here and you are listening to

3166

02:29:24,530 --> 02:29:19,120

my boy Jimmy Church Oh Jimmy Josh

3167

02:29:28,719 --> 02:29:24,540

radio.com this my popular opinion

3168

02:29:34,719 --> 02:29:28,729

reading a book will not make you smarter

3169

02:29:40,880 --> 02:29:39,019

hurricanes earthquakes wildfires this

3170

02:29:43,340 --> 02:29:40,890

year we've experienced more than our

3171

02:29:45,649 --> 02:29:43,350

fair share this is Jimmy Church of fade

3172

02:29:47,660 --> 02:29:45,659

to black and last month I decided to

3173

02:29:50,090 --> 02:29:47,670

make sure my family does not have to

3174

02:29:53,240 --> 02:29:50,100

worry about food should we get caught in

3175

02:29:55,700 --> 02:29:53,250

a real emergency situation introducing

3176
02:29:57,469 --> 02:29:55,710
Humana a healthy storable product that

3177
02:29:59,389 --> 02:29:57,479
tastes so good that you'll want to eat

3178
02:30:01,670 --> 02:29:59,399
it every day instead of just during

3179
02:30:03,889 --> 02:30:01,680
those times of duress all new manna

3180
02:30:07,309 --> 02:30:03,899
products have a 25 year shelf life our

3181
02:30:09,830 --> 02:30:07,319
msg and GMO free no preservatives and

3182
02:30:11,750 --> 02:30:09,840
are made in America with the new manna

3183
02:30:13,340 --> 02:30:11,760
pack in your home you'll be able to

3184
02:30:15,889 --> 02:30:13,350
sleep at night knowing that you

3185
02:30:19,099 --> 02:30:15,899
protected your family not only have I

3186
02:30:21,200 --> 02:30:19,109
tasted and tested I own it now you can

3187
02:30:23,420 --> 02:30:21,210
too just click on the new manna banner

3188
02:30:25,280 --> 02:30:23,430

on Jimmy Church radio.com and use the

3189

02:30:27,679 --> 02:30:25,290

promo code Jimmy when you order in

3190

02:30:29,840 --> 02:30:27,689

addition to a discount we'll send you an

3191

02:30:33,830 --> 02:30:29,850

autographed fade to black t-shirt

3192

02:30:35,870 --> 02:30:33,840

seriously gobekli tepe this is Jimmy

3193

02:30:38,899 --> 02:30:35,880

Church of fade to black and I take life

3194

02:30:42,139 --> 02:30:38,909

change tea supplements every single day

3195

02:30:47,359 --> 02:30:42,149

it's what I do click on their banner ad

3196

02:30:50,240 --> 02:30:47,369

Jimmy Church radio.com when you take the

3197

02:30:52,580 --> 02:30:50,250

beans from Central America with dashes

3198

02:30:55,010 --> 02:30:52,590

of indonesian and african mixed in and

3199

02:30:58,099 --> 02:30:55,020

then roast it to the dark side of fade

3200

02:31:01,250 --> 02:30:58,109

to black you create the ultimate brew of

3201

02:31:05,000 --> 02:31:01,260

Fringe introducing the fade to black

3202

02:31:07,580 --> 02:31:05,010

blend from river moon coffee yes River

3203

02:31:09,229 --> 02:31:07,590

moons darkest customized roast was

3204

02:31:12,859 --> 02:31:09,239

created for the love of

3205

02:31:15,410 --> 02:31:12,869

fade to black the alchemy of masterful

3206

02:31:18,649 --> 02:31:15,420

roasting and smoking the beans is in

3207

02:31:22,849 --> 02:31:18,659

every sip of this full-bodied dark Java

3208

02:31:24,710 --> 02:31:22,859

I need my coffee dog deep with distinct

3209

02:31:27,889 --> 02:31:24,720

bittersweet chocolate highlights just

3210

02:31:30,320 --> 02:31:27,899

like the bunker leaning further into the

3211

02:31:33,120 --> 02:31:30,330

darkness of the roast is fade to black

3212

02:31:34,889 --> 02:31:33,130

blend from river moon coffee

3213

02:31:37,800 --> 02:31:34,899

just click on the banner at Jimmy Church

3214

02:31:41,820 --> 02:31:37,810

radio.com and use the promo code F to be

3215

02:31:46,020 --> 02:31:41,830

blend for 15% off of your order today go

3216

02:31:47,880 --> 02:31:46,030

back Lee tabby hi folks CBD is the home

3217

02:31:49,679 --> 02:31:47,890

run hitter for health right now why do

3218

02:31:52,290 --> 02:31:49,689

you ask because of what it does for the

3219

02:31:53,639 --> 02:31:52,300

body unfortunately I can't tell you all

3220

02:31:56,130 --> 02:31:53,649

about the benefit you know there's

3221

02:31:57,929 --> 02:31:56,140

reasons do your due diligence and log on

3222

02:32:00,330 --> 02:31:57,939

to ancient life oil com

3223

02:32:02,340 --> 02:32:00,340

that's ancient life oil calm angel life

3224

02:32:04,440 --> 02:32:02,350

oil uses organic ingredients and is

3225

02:32:07,340 --> 02:32:04,450

blended in coconut oil for some of the

3226

02:32:10,139 --> 02:32:07,350

best benefits legal in 50 states and

3227

02:32:13,040 --> 02:32:10,149

non-psychoactive log on to ancient life

3228

02:32:15,389 --> 02:32:13,050

oil calm that's ancient life oil calm

3229

02:32:18,450 --> 02:32:15,399

this is Jimmy Church of fade to black

3230

02:32:21,870 --> 02:32:18,460

and my family is safe because of new

3231

02:32:24,000 --> 02:32:21,880

mana emergency food storage just go to

3232

02:32:29,910 --> 02:32:24,010

the new mana banner at Jimmy Church

3233

02:32:32,610 --> 02:32:29,920

radio.com promo code jimmy 10 are you

3234

02:32:35,160 --> 02:32:32,620

intrigued by paranormal talk radio you

3235

02:32:38,130 --> 02:32:35,170

love the new paranormal radio app from

3236

02:32:40,320 --> 02:32:38,140

torque stream live you'll find a great

3237

02:32:43,469 --> 02:32:40,330

selection of talk shows covering UFOs

3238

02:32:45,870 --> 02:32:43,479

ghosts strange phenomena and much more

3239

02:32:48,090 --> 02:32:45,880

download the paranormal radio app now

3240

02:32:50,520 --> 02:32:48,100

and start listening to the very best in

3241

02:32:51,960 --> 02:32:50,530

paranormal talk entertainment including

3242

02:32:54,960 --> 02:32:51,970

the network you're listening to right

3243

02:33:05,230 --> 02:32:54,970

now the paranormal radio app free in

3244

02:33:10,280 --> 02:33:08,930

it's not a lifestyle we chose we were

3245

02:33:20,810 --> 02:33:10,290

born this way

3246

02:33:24,540 --> 02:33:20,820

kera radio.com this is KJ CRA

3247

02:33:24,550 --> 02:33:36,350

[Music]

3248

02:33:40,560 --> 02:33:38,670

welcome back fade to black on the hosts

3249

02:33:42,330 --> 02:33:40,570

of the church our guest tonight Randall

3250

02:33:43,800 --> 02:33:42,340

Carlson we're gonna roll this thing into

3251

02:33:49,820 --> 02:33:43,810

doing some overtime we'll try to get

3252

02:33:52,170 --> 02:33:49,830

everything in sacred geometry

3253

02:33:53,700 --> 02:33:52,180

international.com is the website and the

3254

02:33:55,140 --> 02:33:53,710

links for that or over at a Jimmy Church

3255

02:33:57,450 --> 02:33:55,150

radio.com you don't have to type the

3256

02:34:03,000 --> 02:33:57,460

whole thing and just click it's very

3257

02:34:08,570 --> 02:34:03,010

simple Randall years ago I somebody led

3258

02:34:14,219 --> 02:34:08,580

me to the recap structure over in

3259

02:34:18,620 --> 02:34:14,229

Mauritania yeah and and I remember back

3260

02:34:22,740 --> 02:34:18,630

then goofing around on Google Maps and

3261

02:34:25,140 --> 02:34:22,750

and I saw this thing in Africa you know

3262

02:34:27,030 --> 02:34:25,150

and I'm just rolling around Africa right

3263

02:34:28,410 --> 02:34:27,040

you know whatever go into a geesa and

3264

02:34:32,100 --> 02:34:28,420

you know just doing the things that you

3265

02:34:33,960 --> 02:34:32,110

do and in satellite and I see it and I

3266

02:34:36,480 --> 02:34:33,970

went oh that's what you know and I zoom

3267

02:34:39,600 --> 02:34:36,490

and you can see it is one of the most

3268

02:34:42,930 --> 02:34:39,610

incredible structures anywhere on this

3269

02:34:44,430 --> 02:34:42,940

planet it should be discussed we should

3270

02:34:48,930 --> 02:34:44,440

have talked about it at the beginning of

3271

02:34:51,380 --> 02:34:48,940

this show you know terrain what is going

3272

02:34:54,360 --> 02:34:51,390

on there what is it

3273

02:34:57,630 --> 02:34:54,370

well I think initially when it was first

3274

02:35:00,270 --> 02:34:57,640

seen during the early days of the space

3275

02:35:03,210 --> 02:35:00,280

program let's see was it seen not you're

3276

02:35:05,400 --> 02:35:03,220

probably back in the early 70s maybe you

3277

02:35:08,390 --> 02:35:05,410

know even even the late sixties because

3278

02:35:13,440 --> 02:35:08,400

I know that Robert Dietz was one of the

3279

02:35:15,750 --> 02:35:13,450

premier astronomers studying meteorite

3280

02:35:17,760 --> 02:35:15,760

impacts back in the sixties and I know

3281

02:35:20,400 --> 02:35:17,770

he he wrote an article on it that I

3282

02:35:22,650 --> 02:35:20,410

think came out in 1968 and of course

3283

02:35:25,080 --> 02:35:22,660

initially because of the multi ringed

3284

02:35:27,660 --> 02:35:25,090

nature of the structure it was proposed

3285

02:35:30,150 --> 02:35:27,670

as being the result of the some type of

3286

02:35:32,700 --> 02:35:30,160

an impact probably a an asteroid right

3287

02:35:35,190 --> 02:35:32,710

because impacts into the crust leave

3288

02:35:37,770 --> 02:35:35,200

multi ring structures and there was

3289

02:35:39,930 --> 02:35:37,780

material that looked like the type of

3290

02:35:42,600 --> 02:35:39,940

shock material that you find associated

3291

02:35:44,370 --> 02:35:42,610

with those types of impacts on in this

3292

02:35:45,540 --> 02:35:44,380

case the material was called koa site

3293

02:35:47,729 --> 02:35:45,550

and so it seemed like when they

3294

02:35:50,159 --> 02:35:47,739

discovered the shock material

3295

02:35:52,769 --> 02:35:50,169

that was a clincher that it was impact

3296

02:35:54,420 --> 02:35:52,779

produced however other geologists came

3297

02:35:57,029 --> 02:35:54,430

along later took a closer look and

3298

02:35:59,579 --> 02:35:57,039

didn't believe that the koa site the

3299

02:36:02,670 --> 02:35:59,589

shocked minerals that they presumably

3300

02:36:04,260 --> 02:36:02,680

found were in fact shocked minerals the

3301
02:36:06,239 --> 02:36:04,270
subsequent studies seem to have

3302
02:36:08,519 --> 02:36:06,249
suggested that it was not impact

3303
02:36:11,399 --> 02:36:08,529
produced but that it was likely produced

3304
02:36:13,859 --> 02:36:11,409
from upwelling pressure in a

3305
02:36:16,769 --> 02:36:13,869
hydrothermal vent below which created

3306
02:36:20,510 --> 02:36:16,779
basically a large bubble picture if you

3307
02:36:23,519 --> 02:36:20,520
can bubble that's now like 30 miles wide

3308
02:36:25,949 --> 02:36:23,529
probably thousands of feet high with

3309
02:36:28,369 --> 02:36:25,959
multiple layers in it and this bubble

3310
02:36:31,289 --> 02:36:28,379
because of the the pressure from below

3311
02:36:35,389 --> 02:36:31,299
raises up causes the crust to bulge out

3312
02:36:37,409 --> 02:36:35,399
right so now this undergoes a lot of

3313
02:36:39,029 --> 02:36:37,419

metamorphism because of the intense

3314

02:36:42,269 --> 02:36:39,039

pressure of the uplift but then it

3315

02:36:45,689 --> 02:36:42,279

pretty much solidifies in that state and

3316

02:36:47,969 --> 02:36:45,699

then over millions of years in this case

3317

02:36:51,539 --> 02:36:47,979

because most of the rock there are

3318

02:36:53,369 --> 02:36:51,549

limestone dolomite switch our have been

3319

02:36:55,409 --> 02:36:53,379

dated to the Ordovician period which

3320

02:36:57,749 --> 02:36:55,419

puts them at about 400 million years old

3321

02:37:00,359 --> 02:36:57,759

now if you can picture a bubble a

3322

02:37:03,420 --> 02:37:00,369

layered bubble rising up and then you

3323

02:37:05,939 --> 02:37:03,430

hear the top of that bubble off and what

3324

02:37:08,159 --> 02:37:05,949

it's doing is exposing the layers that

3325

02:37:10,559 --> 02:37:08,169

have been up thrust that the in

3326

02:37:14,279 --> 02:37:10,569

geological terms are dipping towards the

3327

02:37:15,989 --> 02:37:14,289

outside of the structure so there is you

3328

02:37:20,909 --> 02:37:15,999

know some discussion now whether or not

3329

02:37:23,219 --> 02:37:20,919

that could be Atlantis I don't believe

3330

02:37:27,809 --> 02:37:23,229

it was Atlantis because I don't think it

3331

02:37:29,279 --> 02:37:27,819

fits plato's narrative in many ways but

3332

02:37:31,949 --> 02:37:29,289

it is certainly an interesting and

3333

02:37:33,899 --> 02:37:31,959

enigmatic structure mostly the rocks are

3334

02:37:36,689 --> 02:37:33,909

lime stones like I said dolomite there

3335

02:37:40,649 --> 02:37:36,699

are some mud stones there's some sand

3336

02:37:43,199 --> 02:37:40,659

stones what else I think it's mostly

3337

02:37:45,569 --> 02:37:43,209

those kind of five types of rocks which

3338

02:37:47,999 --> 02:37:45,579

are you know all natural rocks that form

3339

02:37:50,279 --> 02:37:48,009

but see underneath the thing are these

3340

02:37:52,229 --> 02:37:50,289

hydrothermal vents and these kimberlite

3341

02:37:55,019 --> 02:37:52,239

pipes or their kimberlite pipe which is

3342

02:37:56,760 --> 02:37:55,029

where you know a lot of the diamond

3343

02:37:58,889 --> 02:37:56,770

mines today are in these kimberlite

3344

02:38:00,990 --> 02:37:58,899

pipes where you have tremendous pressure

3345

02:38:03,270 --> 02:38:01,000

upwelling from below

3346

02:38:05,850 --> 02:38:03,280

so underneath the recant structure

3347

02:38:08,400 --> 02:38:05,860

there's a plumbing system see which to

3348

02:38:10,980 --> 02:38:08,410

me clearly points out that whatever its

3349

02:38:14,010 --> 02:38:10,990

origin it's natural and so I'm inclined

3350

02:38:19,020 --> 02:38:14,020

now to believe that it is an energetic

3351

02:38:21,720 --> 02:38:19,030

endo genic consequence of an endo genic

3352

02:38:23,190 --> 02:38:21,730

process something along the lines of

3353

02:38:26,340 --> 02:38:23,200

what I just described and I think that's

3354

02:38:29,070 --> 02:38:26,350

conforms more or less to what most of

3355

02:38:30,150 --> 02:38:29,080

the recent studies abettors have been a

3356

02:38:31,890 --> 02:38:30,160

few studies on it

3357

02:38:34,170 --> 02:38:31,900

oh that have come out in the last few

3358

02:38:37,140 --> 02:38:34,180

years and I would have to refresh myself

3359

02:38:39,150 --> 02:38:37,150

on it but well you know what I find

3360

02:38:42,060 --> 02:38:39,160

fascinating there's like three points

3361

02:38:45,450 --> 02:38:42,070

that for me stick out here one there's

3362

02:38:51,420 --> 02:38:45,460

not even a road going to it right it's

3363

02:38:54,870 --> 02:38:51,430

so remote it's not really investigated

3364

02:38:58,170 --> 02:38:54,880

or it is you know a little bit but it's

3365

02:38:59,610 --> 02:38:58,180

so remote nobody goes to it that's the

3366

02:39:02,490 --> 02:38:59,620

first thing and I find that very

3367

02:39:04,800 --> 02:39:02,500

interesting the second thing when I look

3368

02:39:08,250 --> 02:39:04,810

at all of these pictures I've had taken

3369

02:39:12,000 --> 02:39:08,260

over the years it looks to me like it

3370

02:39:14,820 --> 02:39:12,010

could have been what probably was for

3371

02:39:17,550 --> 02:39:14,830

sure surrounded by water and it looks

3372

02:39:21,870 --> 02:39:17,560

like it's been draining out on the on

3373

02:39:23,700 --> 02:39:21,880

the southern southwestern I would say

3374

02:39:25,500 --> 02:39:23,710

seven o'clock I think is the right

3375

02:39:29,870 --> 02:39:25,510

number I want to kind of pick out here

3376

02:39:32,580 --> 02:39:29,880

and it's been draining out to the ocean

3377

02:39:35,400 --> 02:39:32,590

for a year it looks like there's a river

3378

02:39:37,200 --> 02:39:35,410

that that reaches out to the west side

3379

02:39:40,440 --> 02:39:37,210

of Africa

3380

02:39:44,070 --> 02:39:40,450

that's what it looks to me Atlantis

3381

02:39:46,920 --> 02:39:44,080

possibly could be and I understand why

3382

02:39:48,660 --> 02:39:46,930

that's a thought but it definitely looks

3383

02:39:51,810 --> 02:39:48,670

like it was surrounded by water at some

3384

02:39:53,520 --> 02:39:51,820

point oh I think clearly it was it at

3385

02:39:56,190 --> 02:39:53,530

some point and you know the fact that

3386

02:39:58,470 --> 02:39:56,200

what we're seeing going back to the

3387

02:40:01,170 --> 02:39:58,480

bubble analogy before what we're seeing

3388

02:40:03,150 --> 02:40:01,180

is the core of that bubble you know if

3389

02:40:04,740 --> 02:40:03,160

you picture let's see what tonight what

3390

02:40:07,050 --> 02:40:04,750

could I use as an analogy that the

3391

02:40:09,510 --> 02:40:07,060

listener could could visualize do you

3392

02:40:11,370 --> 02:40:09,520

think of any spiracle ball and think of

3393

02:40:14,130 --> 02:40:11,380

everybody seemed pictures of the earth

3394

02:40:14,940 --> 02:40:14,140

right and how you've got the lithosphere

3395

02:40:16,890 --> 02:40:14,950

the ISTE knows

3396

02:40:19,381 --> 02:40:16,900

fear the mantle the core and it's off

3397

02:40:22,470 --> 02:40:19,391

it's layered right well imagine a sphere

3398

02:40:24,990 --> 02:40:22,480

with a bunch of layers and then you

3399

02:40:28,051 --> 02:40:25,000

basically dekappa you cut off like the

3400

02:40:30,390 --> 02:40:28,061

top say $\frac{3}{5}$ of that sphere and you

3401
02:40:32,640 --> 02:40:30,400
expose now what you would be looking at

3402
02:40:37,500 --> 02:40:32,650
would be rings can you can you visualize

3403
02:40:39,470 --> 02:40:37,510
that I'm looking at it yes yes okay you

3404
02:40:41,850 --> 02:40:39,480
would see rings and that's what we're

3405
02:40:44,551 --> 02:40:41,860
looking at there and that seems I think

3406
02:40:46,551 --> 02:40:44,561
50 the evidence because of the fact that

3407
02:40:49,190 --> 02:40:46,561
this kimberlite pipe being underneath it

3408
02:40:52,860 --> 02:40:49,200
suggested yes there was a magnetic

3409
02:40:55,350 --> 02:40:52,870
magmatic upwelling that then created

3410
02:40:58,470 --> 02:40:55,360
immense pressure below the crust and

3411
02:41:00,450 --> 02:40:58,480
caused the crust to bulge up now over

3412
02:41:03,570 --> 02:41:00,460
succession of millions of years and

3413
02:41:06,450 --> 02:41:03,580

possibly even with catastrophic flooding

3414

02:41:09,921 --> 02:41:06,460

water would have been the primary agent

3415

02:41:13,890 --> 02:41:09,931

in roading away the top of that bubble

3416

02:41:16,790 --> 02:41:13,900

exposing the rings below you see and if

3417

02:41:19,860 --> 02:41:16,800

it's consistent with what I believe the

3418

02:41:23,011 --> 02:41:19,870

geological record shows there have been

3419

02:41:25,320 --> 02:41:23,021

a succession of just as Plato describes

3420

02:41:27,301 --> 02:41:25,330

a succession of gigantic floods that

3421

02:41:29,131 --> 02:41:27,311

have occurred through time and this was

3422

02:41:31,470 --> 02:41:29,141

part of the tradition that was being

3423

02:41:33,570 --> 02:41:31,480

handed down by the Egyptian priests to

3424

02:41:36,600 --> 02:41:33,580

Seoul on who was the one who carried the

3425

02:41:38,460 --> 02:41:36,610

original story of Atlantis back to eat

3426

02:41:41,250 --> 02:41:38,470

it back to Greece

3427

02:41:43,830 --> 02:41:41,260

and they describe I see the thing I

3428

02:41:46,020 --> 02:41:43,840

think that has brought about people

3429

02:41:48,390 --> 02:41:46,030

making this correlation is the the ring

3430

02:41:51,390 --> 02:41:48,400

like structure right because Plato

3431

02:41:54,421 --> 02:41:51,400

describes a Multi ring structure that

3432

02:41:57,120 --> 02:41:54,431

was the city core of the of Atlantis

3433

02:41:59,131 --> 02:41:57,130

however I mean the dimensions he uses

3434

02:42:00,990 --> 02:41:59,141

are not really consistent with the recap

3435

02:42:04,740 --> 02:42:01,000

structure the recod structure is much

3436

02:42:08,551 --> 02:42:04,750

much bigger then then the the raine

3437

02:42:12,000 --> 02:42:08,561

structure that Plato describes in in the

3438

02:42:14,040 --> 02:42:12,010

Cretaceous which is a I would highly

3439

02:42:16,470 --> 02:42:14,050

recommend anybody who is interested in

3440

02:42:19,140 --> 02:42:16,480

this kind of thing it's mandatory that

3441

02:42:22,171 --> 02:42:19,150

you read the to play those two dialogues

3442

02:42:24,000 --> 02:42:22,181

Timaeus and Critias because that there's

3443

02:42:25,500 --> 02:42:24,010

so much packed into those two short

3444

02:42:27,000 --> 02:42:25,510

dialogues about everything we've been

3445

02:42:31,690 --> 02:42:27,010

talking about

3446

02:42:33,519 --> 02:42:31,700

that it's definitely on the prerequisite

3447

02:42:36,130 --> 02:42:33,529

list for anybody who is interested in

3448

02:42:38,260 --> 02:42:36,140

ancient traditions or ancient mythology

3449

02:42:42,099 --> 02:42:38,270

or ancient tradition ancient mysteries

3450

02:42:44,380 --> 02:42:42,109

etc so my take on the recap structure is

3451

02:42:46,240 --> 02:42:44,390

it's intergenic its natural it may

3452

02:42:48,700 --> 02:42:46,250

have been catastrophic it probably was

3453

02:42:50,889 --> 02:42:48,710

catastrophic we know that there was a

3454

02:42:53,170 --> 02:42:50,899

major one of the major mass extinctions

3455

02:42:55,389 --> 02:42:53,180

during the Ordovician now I don't know

3456

02:42:57,370 --> 02:42:55,399

if that would be associated with the

3457

02:43:01,120 --> 02:42:57,380

forces that created the recap structure

3458

02:43:03,070 --> 02:43:01,130

but it certainly is plausible see but

3459

02:43:05,620 --> 02:43:03,080

yes and then then the fact that it's

3460

02:43:07,870 --> 02:43:05,630

highly erosive it reminds me a lot of

3461

02:43:10,330 --> 02:43:07,880

upheaval dome in Utah which was a

3462

02:43:12,370 --> 02:43:10,340

bearing structure probably impact

3463

02:43:15,429 --> 02:43:12,380

produced but they're still arguing

3464

02:43:17,170 --> 02:43:15,439

whether it was a dome from pressure

3465

02:43:19,719 --> 02:43:17,180

below or whether it was created from

3466

02:43:22,389 --> 02:43:19,729

above but in either case you have a

3467

02:43:26,260 --> 02:43:22,399

multi ring structure that was exposed to

3468

02:43:29,080 --> 02:43:26,270

the basically to the light of day by

3469

02:43:31,690 --> 02:43:29,090

these intense erosional processes that

3470

02:43:34,300 --> 02:43:31,700

stripped away hundreds or even thousands

3471

02:43:36,340 --> 02:43:34,310

of feet of rock exposing the core of

3472

02:43:39,519 --> 02:43:36,350

this thing anybody wants to check it out

3473

02:43:42,700 --> 02:43:39,529

they can look up upheaval dome Utah on

3474

02:43:44,800 --> 02:43:42,710

Google you know on Google on Google

3475

02:43:47,099 --> 02:43:44,810

Earth and you'll see this really

3476

02:43:50,920 --> 02:43:47,109

incredible looking multi ring structure

3477

02:43:54,210 --> 02:43:50,930

which possibly similar in formation to

3478

02:43:57,130 --> 02:43:54,220

the recatch structure in Mauritania now

3479

02:43:59,590 --> 02:43:57,140

having been an astute student of plate

3480

02:44:02,530 --> 02:43:59,600

on particularly of his dialogues

3481

02:44:04,840 --> 02:44:02,540

concerning Atlantis I don't find enough

3482

02:44:09,040 --> 02:44:04,850

points of correlation between the two to

3483

02:44:13,450 --> 02:44:09,050

attribute recapped to being Atlantis has

3484

02:44:16,809 --> 02:44:13,460

anybody done a dig there you know

3485

02:44:19,210 --> 02:44:16,819

looking for any signs of ancient life or

3486

02:44:21,820 --> 02:44:19,220

civilizations any structures well I'm

3487

02:44:23,679 --> 02:44:21,830

presuming that yes they have yes some

3488

02:44:24,880 --> 02:44:23,689

have there are the geologists visit

3489

02:44:27,010 --> 02:44:24,890

that's how they know that the lime

3490

02:44:28,240 --> 02:44:27,020

stones are already chian for example

3491

02:44:30,790 --> 02:44:28,250

because they've gone there and taken

3492

02:44:32,650 --> 02:44:30,800

samples and looked at the the creatures

3493

02:44:36,309 --> 02:44:32,660

that are forming the limestone because

3494

02:44:38,979 --> 02:44:36,319

you know limestone forms it's it's a it

3495

02:44:40,090 --> 02:44:38,989

forms submarine it forms under water it

3496

02:44:43,899 --> 02:44:40,100

forms under oath

3497

02:44:46,960 --> 02:44:43,909

by this the the carcasses of the small

3498

02:44:49,120 --> 02:44:46,970

sea life settling to the bottom of the

3499

02:44:52,240 --> 02:44:49,130

ocean and in becoming compacted and

3500

02:44:55,149 --> 02:44:52,250

eventually forming these limestone rocks

3501

02:44:57,849 --> 02:44:55,159

which are sedimentary rocks so there are

3502

02:45:00,490 --> 02:44:57,859

extensive lime stones and those lime

3503

02:45:02,769 --> 02:45:00,500

stones have been sampled so you know

3504

02:45:03,820 --> 02:45:02,779

it's very plausible that people occupy

3505

02:45:06,040 --> 02:45:03,830

you think that it would have been a

3506

02:45:07,929 --> 02:45:06,050

probably a likely place some time or

3507

02:45:10,300 --> 02:45:07,939

another for people to occupy and it

3508

02:45:13,210 --> 02:45:10,310

probably held lakes but I have not seen

3509

02:45:15,460 --> 02:45:13,220

any studies yet getting into that level

3510

02:45:19,210 --> 02:45:15,470

of detail like you said it's a structure

3511

02:45:22,300 --> 02:45:19,220

that is worthy of more study and more

3512

02:45:24,519 --> 02:45:22,310

research than it's had and I hope to see

3513

02:45:26,590 --> 02:45:24,529

that you know in the next few years I do

3514

02:45:28,660 --> 02:45:26,600

think it's very plausible that it held

3515

02:45:30,609 --> 02:45:28,670

lakes that there were rivers out flowing

3516

02:45:33,070 --> 02:45:30,619

from it and that it was probably habitat

3517

02:45:35,139 --> 02:45:33,080

human habitation along the shores of

3518

02:45:38,260 --> 02:45:35,149

those lakes and rivers it's bad zone

3519

02:45:39,939 --> 02:45:38,270

however yeah however make the connection

3520

02:45:42,219 --> 02:45:39,949

with Atlantis other than the fact that

3521

02:45:44,380 --> 02:45:42,229

you have multi ring structures in both

3522

02:45:47,080 --> 02:45:44,390

cases right now I will say this the

3523

02:45:49,330 --> 02:45:47,090

plato's model for Atlantis may have been

3524

02:45:52,719 --> 02:45:49,340

derived from observations of natural

3525

02:45:57,219 --> 02:45:52,729

multi ring structures that's right and

3526

02:45:59,830 --> 02:45:57,229

when you look at northern Africa in in

3527

02:46:02,290 --> 02:45:59,840

Google Earth and satellite there's a

3528

02:46:04,870 --> 02:46:02,300

couple of things that stand out that are

3529

02:46:07,719 --> 02:46:04,880

very visible right the Nile and the Nile

3530

02:46:11,200 --> 02:46:07,729

Valley and the recatch structure it's

3531

02:46:14,800 --> 02:46:11,210

that big I mean is enormous it's just

3532

02:46:17,769 --> 02:46:14,810

it's it's incredible about 30 miles in

3533

02:46:20,080 --> 02:46:17,779

diameter it's 30 miles and diameter it be

3534

02:46:24,340 --> 02:46:20,090

about 30 miles in diameter so yeah

3535

02:46:26,500 --> 02:46:24,350

that's that's big and now before we get

3536

02:46:29,080 --> 02:46:26,510

out of here I wanted to ask you one

3537

02:46:31,149 --> 02:46:29,090

other thing and I was discussing this

3538

02:46:33,760 --> 02:46:31,159

with Edie the other day when we are

3539

02:46:37,059 --> 02:46:33,770

talking about the cosmology of

3540

02:46:41,370 --> 02:46:37,069

everything at the zodiac the the timing

3541

02:46:45,160 --> 02:46:41,380

of certain celestial events with

3542

02:46:48,790 --> 02:46:45,170

cataclysms here on earth is there a way

3543

02:46:51,040 --> 02:46:48,800

to use it to take a look at the future

3544

02:46:52,019 --> 02:46:51,050

and maybe predict when something may

3545

02:46:55,179 --> 02:46:52,029

happen

3546

02:47:00,599 --> 02:46:55,189

well the problem with that is is we're

3547

02:47:04,090 --> 02:47:00,609

looking at two to which I say two tempos

3548

02:47:07,150 --> 02:47:04,100

juxtaposed on each other one seems to be

3549

02:47:09,010 --> 02:47:07,160

just totally random right there are

3550

02:47:11,320 --> 02:47:09,020

random changes that occurred that are

3551
02:47:12,939 --> 02:47:11,330
totally unpredictable on the other hand

3552
02:47:15,400 --> 02:47:12,949
there are changes that are predictable

3553
02:47:17,290 --> 02:47:15,410
for example I'm bringing it into a scale

3554
02:47:20,170 --> 02:47:17,300
that a more human scale at somebody

3555
02:47:22,420 --> 02:47:20,180
might be able to understand okay we can

3556
02:47:26,019 --> 02:47:22,430
predict with a fair degree of confidence

3557
02:47:29,439 --> 02:47:26,029
now that you know winter is upon us now

3558
02:47:31,660 --> 02:47:29,449
whatever region of the world that you

3559
02:47:34,210 --> 02:47:31,670
live in like for example I'm in North

3560
02:47:36,790 --> 02:47:34,220
Georgia so I know that we're probably

3561
02:47:39,010 --> 02:47:36,800
going to get a number of nights below

3562
02:47:43,120 --> 02:47:39,020
freezing we know that it's probably

3563
02:47:45,400 --> 02:47:43,130

going to be sometime between now and mid

3564

02:47:47,439 --> 02:47:45,410

to semper that that happens well we can

3565

02:47:49,689 --> 02:47:47,449

pinpoint we can make some prediction up

3566

02:47:52,929 --> 02:47:49,699

to probably within a few weeks plus or

3567

02:47:55,300 --> 02:47:52,939

minus but to pinpoint the exact date no

3568

02:47:56,950 --> 02:47:55,310

that would be very difficult what we can

3569

02:47:59,830 --> 02:47:56,960

do is we can look at the picture and we

3570

02:48:02,080 --> 02:47:59,840

can get a range of possibilities and we

3571

02:48:04,120 --> 02:48:02,090

can say well if we look back over the

3572

02:48:06,219 --> 02:48:04,130

last roughly hundred and five thousand

3573

02:48:09,990 --> 02:48:06,229

years it appears that there have been

3574

02:48:13,389 --> 02:48:10,000

four periods of glaciation interspersed

3575

02:48:16,719 --> 02:48:13,399

with periods shorter periods of inter

3576

02:48:19,780 --> 02:48:16,729

glaciation if we go back even a quarter

3577

02:48:21,729 --> 02:48:19,790

million years we find that the problem

3578

02:48:23,830 --> 02:48:21,739

is as the record gets older it gets more

3579

02:48:26,519 --> 02:48:23,840

obscure but we can still see that

3580

02:48:29,229 --> 02:48:26,529

there's this oscillation this this

3581

02:48:30,969 --> 02:48:29,239

shifting from glacial ages to

3582

02:48:34,260 --> 02:48:30,979

interglacial ages we are now in an

3583

02:48:36,820 --> 02:48:34,270

interglacial age right now if we go back

3584

02:48:40,559 --> 02:48:36,830

roughly two and a half to 2.6 million

3585

02:48:43,630 --> 02:48:40,569

years ago we see major transition right

3586

02:48:45,939 --> 02:48:43,640

Pliocene gateway to the Pleistocene the

3587

02:48:49,420 --> 02:48:45,949

end of the Pliocene was a long period of

3588

02:48:50,950 --> 02:48:49,430

pretty much stable warmth something

3589

02:48:53,950 --> 02:48:50,960

happened around two and a half million

3590

02:48:56,920 --> 02:48:53,960

years ago that caused a major planetary

3591

02:49:01,150 --> 02:48:56,930

environmental shift and this oscillation

3592

02:49:03,639 --> 02:49:01,160

of glacial interglacial ages began it

3593

02:49:05,530 --> 02:49:03,649

dominated the climatic cycle for the

3594

02:49:08,710 --> 02:49:05,540

whole of the Pleistocene too

3595

02:49:11,230 --> 02:49:08,720

1/2 million years now according to some

3596

02:49:13,511 --> 02:49:11,240

thought it ended you know eleven

3597

02:49:15,730 --> 02:49:13,521

thousand six hundred years ago others

3598

02:49:18,730 --> 02:49:15,740

have questioned well has it really ended

3599

02:49:20,950 --> 02:49:18,740

or are we still in the oscillating cycle

3600

02:49:22,390 --> 02:49:20,960

of glacial interglacial ages no one has

3601
02:49:23,950 --> 02:49:22,400
an answer to that question at this point

3602
02:49:25,990 --> 02:49:23,960
here's one thing we do know though

3603
02:49:27,700 --> 02:49:26,000
looking at the record it has been

3604
02:49:30,490 --> 02:49:27,710
reconstructed of last quarter million

3605
02:49:33,310 --> 02:49:30,500
years which is based upon ice core

3606
02:49:36,280 --> 02:49:33,320
records from from Greenland from Tibet

3607
02:49:38,470 --> 02:49:36,290
from Antarctica from deep-sea coral

3608
02:49:42,340 --> 02:49:38,480
records taken from in the Atlantic in

3609
02:49:44,860 --> 02:49:42,350
the Pacific in the Arctic Ocean in in

3610
02:49:47,050 --> 02:49:44,870
the speleothems formation in caves which

3611
02:49:49,690 --> 02:49:47,060
is dependent upon the amount of water

3612
02:49:51,720 --> 02:49:49,700
and percolating through the rock which

3613
02:49:54,160 --> 02:49:51,730

is dependent upon the amount of rainfall

3614

02:49:56,920 --> 02:49:54,170

looking at tree rings I mean there's a

3615

02:50:00,580 --> 02:49:56,930

whole multitude of these proxies that

3616

02:50:02,620 --> 02:50:00,590

have been used to reconstruct an ancient

3617

02:50:04,240 --> 02:50:02,630

climate looking at pollen you know

3618

02:50:06,640 --> 02:50:04,250

digging up a core and looking at the

3619

02:50:09,370 --> 02:50:06,650

type of pollen and realizing oh look

3620

02:50:11,950 --> 02:50:09,380

here we've got pollen that's from trees

3621

02:50:13,890 --> 02:50:11,960

that grow in northern latitudes and then

3622

02:50:17,440 --> 02:50:13,900

on top of that we have pollen that's

3623

02:50:19,450 --> 02:50:17,450

deposited by trees growing 500 or a

3624

02:50:21,880 --> 02:50:19,460

thousand miles farther south so

3625

02:50:24,280 --> 02:50:21,890

obviously you can conclude there was a

3626
02:50:26,080 --> 02:50:24,290
major shift in climate so around two and

3627
02:50:28,860 --> 02:50:26,090
half million years ago major shift in

3628
02:50:31,480 --> 02:50:28,870
climate the climate of the planet cooled

3629
02:50:32,950 --> 02:50:31,490
dramatically we began this period this

3630
02:50:35,800 --> 02:50:32,960
oscillating period of glacial

3631
02:50:38,950 --> 02:50:35,810
interglacial ages and within that span

3632
02:50:42,640 --> 02:50:38,960
of time to the extent that we can

3633
02:50:45,700 --> 02:50:42,650
discern the duration or length of the

3634
02:50:48,280 --> 02:50:45,710
interglacial warm periods what it is now

3635
02:50:51,220 --> 02:50:48,290
appearing is that the Holocene the one

3636
02:50:53,261 --> 02:50:51,230
we're in now is the longest interglacial

3637
02:50:56,680 --> 02:50:53,271
warm period of a quarter million years

3638
02:50:58,660 --> 02:50:56,690

so what does that imply well you can you

3639

02:51:02,110 --> 02:50:58,670

can Maul that over yourself and think

3640

02:51:03,850 --> 02:51:02,120

about what that implies but to me what

3641

02:51:08,080 --> 02:51:03,860

it implies is we can't take anything for

3642

02:51:09,790 --> 02:51:08,090

granted because when when a break came

3643

02:51:12,100 --> 02:51:09,800

earlier I was just mentioned in Canada

3644

02:51:14,320 --> 02:51:12,110

because when we go back to the last

3645

02:51:17,080 --> 02:51:14,330

interglacial period we have to think

3646

02:51:19,810 --> 02:51:17,090

that okay a global climate similar to

3647

02:51:21,520 --> 02:51:19,820

what we were in now now present

3648

02:51:23,590 --> 02:51:21,530

you have a lot of snow that falls over

3649

02:51:26,260 --> 02:51:23,600

the northern United States and Canada in

3650

02:51:28,450 --> 02:51:26,270

the winter spring comes it all melts

3651
02:51:30,160 --> 02:51:28,460
away and goes back into the into the

3652
02:51:32,380 --> 02:51:30,170
rivers into from the rivers into the

3653
02:51:34,900 --> 02:51:32,390
oceans right this is the hydrological

3654
02:51:38,110 --> 02:51:34,910
cycle and it keeps going and it's very

3655
02:51:40,630 --> 02:51:38,120
predictable but now imagine this you've

3656
02:51:42,400 --> 02:51:40,640
got you know six seven months of winter

3657
02:51:46,060 --> 02:51:42,410
in the northern United States in Canada

3658
02:51:49,600 --> 02:51:46,070
right and fairly confident that come

3659
02:51:52,380 --> 02:51:49,610
April May spring is going to come the

3660
02:51:54,190 --> 02:51:52,390
snow will melt away but now imagine this

3661
02:51:57,040 --> 02:51:54,200
the snow comes

3662
02:52:00,070 --> 02:51:57,050
but then spring doesn't come spring

3663
02:52:02,080 --> 02:52:00,080

doesn't come for ten or fifteen thousand

3664

02:52:04,060 --> 02:52:02,090

years and that's literally what we're

3665

02:52:05,710 --> 02:52:04,070

talking about here right now instead of

3666

02:52:07,719 --> 02:52:05,720

the snow melting away and going back to

3667

02:52:09,580 --> 02:52:07,729

the ocean it just accumulates layer

3668

02:52:12,520 --> 02:52:09,590

after layer after layer after layer

3669

02:52:14,800 --> 02:52:12,530

until eventually it's a mile thick or

3670

02:52:18,130 --> 02:52:14,810

two miles thick and that is almost

3671

02:52:20,740 --> 02:52:18,140

inconceivable but it happens and it has

3672

02:52:23,710 --> 02:52:20,750

happened and we're still not sure why

3673

02:52:25,900 --> 02:52:23,720

and but I can tell you this a high

3674

02:52:28,180 --> 02:52:25,910

priority is that we figured this [h__\h]

3675

02:52:30,370 --> 02:52:28,190

out Jimmy and and this is why I get

3676

02:52:32,170 --> 02:52:30,380

frustrated when I hear people for

3677

02:52:34,600 --> 02:52:32,180

political reasons and promoting

3678

02:52:37,960 --> 02:52:34,610

political agendas saying well the debate

3679

02:52:39,940 --> 02:52:37,970

on climate change is settled and my

3680

02:52:44,170 --> 02:52:39,950

response to that is no it hasn't really

3681

02:52:45,820 --> 02:52:44,180

even begun yet so excuse me if I get a

3682

02:52:51,070 --> 02:52:45,830

little bit irritated when I hear that

3683

02:52:54,100 --> 02:52:51,080

but I do Randall you have critics you

3684

02:52:56,890 --> 02:52:54,110

actually have critics oh I do

3685

02:52:58,740 --> 02:52:56,900

oh man I want to go I do and it's

3686

02:53:01,030 --> 02:52:58,750

usually the same it's usually the same

3687

02:53:03,130 --> 02:53:01,040

variations on the same theme over and

3688

02:53:04,780 --> 02:53:03,140

over again they never address the facts

3689

02:53:06,730 --> 02:53:04,790

that I've brought to the discussion

3690

02:53:08,800 --> 02:53:06,740

because everything we've been discussing

3691

02:53:10,180 --> 02:53:08,810

tonight I you you want you want to

3692

02:53:13,540 --> 02:53:10,190

challenge me I will provide you the

3693

02:53:15,340 --> 02:53:13,550

references copious references this isn't

3694

02:53:17,860 --> 02:53:15,350

just something I've concerned up out of

3695

02:53:19,150 --> 02:53:17,870

my head after you know I got to stoned

3696

02:53:23,200 --> 02:53:19,160

one night or something this is something

3697

02:53:28,000 --> 02:53:23,210

I have been working on since 1969 okay

3698

02:53:29,920 --> 02:53:28,010

right how many it's 49 years okay so you

3699

02:53:32,020 --> 02:53:29,930

know don't don't come to me and say

3700

02:53:33,310 --> 02:53:32,030

something about well he hasn't been

3701

02:53:38,350 --> 02:53:33,320

peer-reviewed

3702

02:53:39,850 --> 02:53:38,360

be a corrupt processes at this why I

3703

02:53:43,001 --> 02:53:39,860

won't use the term corrupt I would use

3704

02:53:45,910 --> 02:53:43,011

the word compromised and you can go and

3705

02:53:49,990 --> 02:53:45,920

you can present a very thoroughly well

3706

02:53:51,970 --> 02:53:50,000

researched very specialized research

3707

02:53:54,730 --> 02:53:51,980

article presented it presented to the

3708

02:53:57,070 --> 02:53:54,740

scientific literature pay them a lot of

3709

02:54:00,131 --> 02:53:57,080

money and they will publish it if they

3710

02:54:03,640 --> 02:54:00,141

seem fit if they think that it conforms

3711

02:54:05,650 --> 02:54:03,650

to their models of reality if it doesn't

3712

02:54:07,810 --> 02:54:05,660

it doesn't matter how well researched it

3713

02:54:10,600 --> 02:54:07,820

is how buttress it is by facts by

3714

02:54:12,190 --> 02:54:10,610

evidence it will get rejected and and

3715

02:54:14,291 --> 02:54:12,200

I'm sorry to say that's a part of the

3716

02:54:16,060 --> 02:54:14,301

peer-review process right now and since

3717

02:54:19,511 --> 02:54:16,070

we've now got hundreds of millions of

3718

02:54:22,261 --> 02:54:19,521

dollars flowing into the coffers of the

3719

02:54:25,990 --> 02:54:22,271

IPCC and various government agencies

3720

02:54:28,541 --> 02:54:26,000

whose primary responsibility is

3721

02:54:31,030 --> 02:54:28,551

promoting human caused climate change

3722

02:54:33,430 --> 02:54:31,040

and that they have a very powerful

3723

02:54:35,501 --> 02:54:33,440

influence on mainstream scientific

3724

02:54:37,631 --> 02:54:35,511

literature if you come with something

3725

02:54:39,490 --> 02:54:37,641

that's going to contradict that well

3726

02:54:42,341 --> 02:54:39,500

your chances of getting rejected are

3727

02:54:44,980 --> 02:54:42,351

very high so that the peer-reviewed

3728

02:54:46,570 --> 02:54:44,990

process is is compromised the second

3729

02:54:48,461 --> 02:54:46,580

thing is well I don't have a formal

3730

02:54:51,370 --> 02:54:48,471

degree and I don't and the reason I

3731

02:54:53,320 --> 02:54:51,380

don't is because when I was in majoring

3732

02:54:55,770 --> 02:54:53,330

in geology and looking at well what are

3733

02:54:58,120 --> 02:54:55,780

the you know what is the professional

3734

02:55:00,160 --> 02:54:58,130

outcomes of this do I want to work for

3735

02:55:02,501 --> 02:55:00,170

industry not really do I want to work

3736

02:55:04,421 --> 02:55:02,511

for the government no not at all

3737

02:55:05,620 --> 02:55:04,431

what does that leave me well nowhere

3738

02:55:08,591 --> 02:55:05,630

other than the fact and I'm studying

3739

02:55:11,080 --> 02:55:08,601

geology because I love geology

3740

02:55:13,961 --> 02:55:11,090

I love understanding how the world world

3741

02:55:16,480 --> 02:55:13,971

works so I carry on my own business in

3742

02:55:18,251 --> 02:55:16,490

my you know my day job and I've set up

3743

02:55:20,820 --> 02:55:18,261

my business that it gives me enough free

3744

02:55:23,650 --> 02:55:20,830

time that I can spend all my free time

3745

02:55:26,200 --> 02:55:23,660

interacting with the earth interacting

3746

02:55:29,080 --> 02:55:26,210

with professionals and I can say since I

3747

02:55:30,400 --> 02:55:29,090

you know gone more public with this in

3748

02:55:32,890 --> 02:55:30,410

the last three or four years I've had

3749

02:55:35,110 --> 02:55:32,900

the privilege of interacting with dozens

3750

02:55:37,720 --> 02:55:35,120

of professionals that are engaged in

3751

02:55:39,700 --> 02:55:37,730

cutting-edge work that have reached out

3752

02:55:41,440 --> 02:55:39,710

to me I've spent time in the field with

3753

02:55:43,810 --> 02:55:41,450

now several dozen scientists that are

3754

02:55:46,960 --> 02:55:43,820

doing cutting-edge work and I'll say

3755

02:55:48,729 --> 02:55:46,970

this going out in the field for four

3756

02:55:50,950 --> 02:55:48,739

five days or a week with somebody doing

3757

02:55:53,620 --> 02:55:50,960

cutting-edge research for example one

3758

02:55:57,490 --> 02:55:53,630

geologist that I went out with was Brad

3759

02:56:00,580 --> 02:55:57,500

young back a year ago last October was

3760

02:56:02,979 --> 02:56:00,590

one of the leading world's experts on

3761

02:56:04,979 --> 02:56:02,989

the formation of drumlins which are an

3762

02:56:07,960 --> 02:56:04,989

extremely interesting enigmatic

3763

02:56:09,040 --> 02:56:07,970

geomorphological feature right now I

3764

02:56:11,110 --> 02:56:09,050

spend four days

3765

02:56:14,139 --> 02:56:11,120

within the field with him I would

3766

02:56:16,840 --> 02:56:14,149

consider that it's valuable as a seminar

3767

02:56:18,809 --> 02:56:16,850

of sitting in a geology classroom

3768

02:56:21,370 --> 02:56:18,819

listening to a professor drone on and on

3769

02:56:23,979 --> 02:56:21,380

now see I've been doing this for 40

3770

02:56:26,679 --> 02:56:23,989

years now so then when I get attacked by

3771

02:56:29,530 --> 02:56:26,689

the critics they never attack really the

3772

02:56:33,099 --> 02:56:29,540

information very seldom what they do is

3773

02:56:35,950 --> 02:56:33,109

they attack it's all ad hominem stuff

3774

02:56:37,809 --> 02:56:35,960

you know well my approach is that I'm

3775

02:56:39,820 --> 02:56:37,819

like the fact that I'm doing this with

3776

02:56:42,670 --> 02:56:39,830

you now is because I'm putting this

3777

02:56:45,250 --> 02:56:42,680

information out for peer review by the

3778

02:56:47,349 --> 02:56:45,260

world you get it I'm putting this out

3779

02:56:49,450 --> 02:56:47,359

there and I go on Joe Rogan so 10

3780

02:56:51,700 --> 02:56:49,460

million or 15 or 20 million people will

3781

02:56:53,139 --> 02:56:51,710

hear it and they can do their peer

3782

02:56:55,330 --> 02:56:53,149

review they can do their homework they

3783

02:56:57,059 --> 02:56:55,340

can check my sources and I challenge

3784

02:56:59,380 --> 02:56:57,069

them to check my sources and

3785

02:57:01,120 --> 02:56:59,390

occasionally I am wrong of course

3786

02:57:03,400 --> 02:57:01,130

because anybody who attempts to amass a

3787

02:57:05,320 --> 02:57:03,410

huge accumulation of information like

3788

02:57:08,080 --> 02:57:05,330

this is going to occasionally misstep

3789

02:57:10,150 --> 02:57:08,090

but the fact is I think that that most

3790

02:57:14,170 --> 02:57:10,160

of what I have gathered together stands

3791

02:57:18,010 --> 02:57:14,180

the test the critical test and so the

3792

02:57:20,410 --> 02:57:18,020

critics I actually welcome people with

3793

02:57:22,840 --> 02:57:20,420

with informed criticism informed

3794

02:57:24,550 --> 02:57:22,850

fair-minded criticism we're looking at

3795

02:57:26,679 --> 02:57:24,560

the information I present with with an

3796

02:57:29,139 --> 02:57:26,689

open mind rather than say basically

3797

02:57:30,820 --> 02:57:29,149

coming on in regurgitating some textbook

3798

02:57:32,830 --> 02:57:30,830

explanation which I've gotten quite a

3799

02:57:35,380 --> 02:57:32,840

bit of you know I can see well somebody

3800

02:57:35,920 --> 02:57:35,390

took a geology course in college 15

3801
02:57:37,150 --> 02:57:35,930
years ago

3802
02:57:39,280 --> 02:57:37,160
says they're going to quote some

3803
02:57:41,500 --> 02:57:39,290
textbook explanation to me about what

3804
02:57:45,631 --> 02:57:41,510
causes the post-glacial leg of floods

3805
02:57:48,870 --> 02:57:45,641
for example well no okay Randall

3806
02:57:52,470 --> 02:57:48,880
I'm gonna be cut off by the network so

3807
02:57:55,410 --> 02:57:52,480
just let me just say this I've got a run

3808
02:57:57,180 --> 02:57:55,420
I gotta say thank you right now and I

3809
02:57:59,671 --> 02:57:57,190
hate to cut you off in the middle of a

3810
02:58:02,280 --> 02:57:59,681
thought but the network's gonna do that

3811
02:58:03,511 --> 02:58:02,290
if I don't and that there you go so I'll

3812
02:58:06,180 --> 02:58:03,521
take the blame for it

3813
02:58:07,650 --> 02:58:06,190

random okay in the middle of my rant I

3814

02:58:10,020 --> 02:58:07,660

know I know

3815

02:58:12,421 --> 02:58:10,030

well I'm glad I got that off my chest

3816

02:58:14,070 --> 02:58:12,431

yes you do have that perspective on this

3817

02:58:16,740 --> 02:58:14,080

whole thing on the records that we've

3818

02:58:18,450 --> 02:58:16,750

got on the record don't we and Randall

3819

02:58:21,330 --> 02:58:18,460

don't ever change my friend don't ever

3820

02:58:22,530 --> 02:58:21,340

change thank you so much all right man

3821

02:58:25,410 --> 02:58:22,540

thanks Jimmy

3822

02:58:28,020 --> 02:58:25,420

you're the best Randall Carlson a sacred

3823

02:58:30,270 --> 02:58:28,030

geometry international.com the links are

3824

02:58:32,190 --> 02:58:30,280

at Jimmy Turks radio calm and like I

3825

02:58:35,131 --> 02:58:32,200

said I had to cut them off it's better

3826

02:58:37,470 --> 02:58:35,141

that I do it and then the network and

3827

02:58:41,131 --> 02:58:37,480

doing it so rudely fade to black it's

3828

02:58:43,470 --> 02:58:41,141

produced by rate ritika murray on shows

3829

02:58:45,511 --> 02:58:43,480

produced by Hill Jay Paul Renee Dennis

3830

02:58:48,030 --> 02:58:45,521

and Bob announcers our Steve Carter

3831

02:58:50,100 --> 02:58:48,040

Jeeva Toma mark D Kovar webmaster drew

3832

02:58:52,680 --> 02:58:50,110

the geek music doug aldrich intro space

3833

02:58:55,070 --> 02:58:52,690

boy space boy music calm fade to black

3834

02:58:59,011 --> 02:58:55,080

kids produced by kjsurya he met work

3835

02:59:01,200 --> 02:58:59,021

syndication is kgr a the planet thank

3836

02:59:03,480 --> 02:59:01,210

you to Randall Carlson for everything

3837

02:59:05,341 --> 02:59:03,490

that he does it's broadcast on the

3838

02:59:07,200 --> 02:59:05,351

copyright of 2018 by fade to black in

3839

02:59:09,120 --> 02:59:07,210

the game changer Network it cannot be

3840

02:59:10,770 --> 02:59:09,130

rebroadcast download a copy to use

3841

02:59:12,600 --> 02:59:10,780

anywhere in the known universe without

3842

02:59:14,190 --> 02:59:12,610

written permission for fade to black of

3843

02:59:15,930 --> 02:59:14,200

the game change the network I'm Errol to

3844

02:59:18,570 --> 02:59:15,940

be Church follow me on twitter I

3845

02:59:22,320 --> 02:59:18,580

teachers radio you can follow Randall at

3846

02:59:24,720 --> 02:59:22,330

sacred geometry int sacred geometry in

3847

02:59:26,070 --> 02:59:24,730

and of course his website said Jimmy

3848

02:59:27,810 --> 02:59:26,080

Church radio calm

3849

02:59:30,600 --> 02:59:27,820

alright everybody until tomorrow night

3850

02:59:37,710 --> 02:59:30,610

open lines I'm your oath to me Church be

