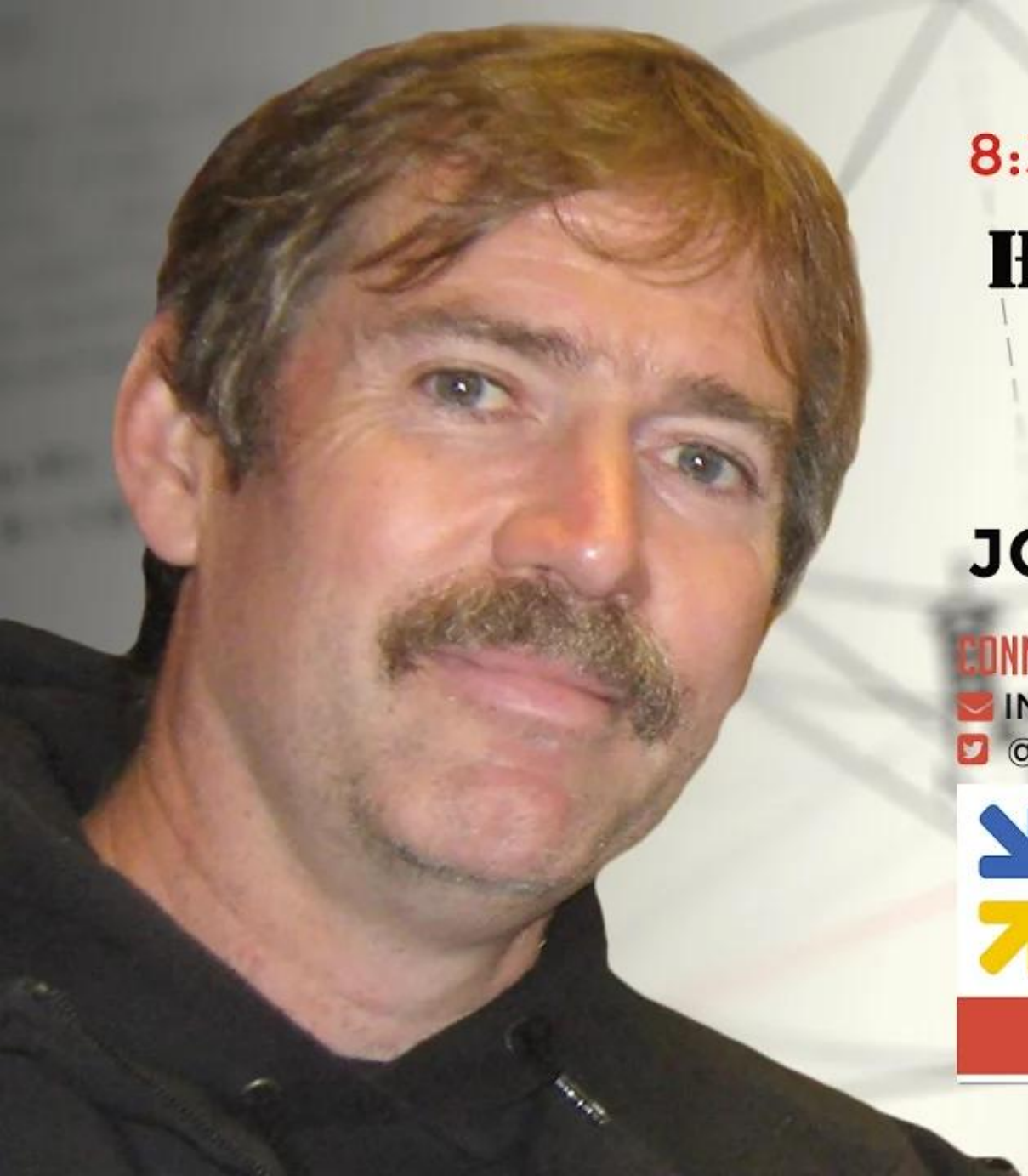

FRIDAY APRIL 21

8:30 PM E | 7:30 PM C | 5:30 PM P

HARD PYRAMID SCIENCE

LIVE STREAM AT

YOUTUBE.COM/DENOFLORE

FEATURING:

JOHN CADMAN W/ DANNY KERR & DOUG KEENAN

CONNECT WITH DEN OF LORE

INFO@DENOFLORE.COM

@DENOFLORE

JOHN CADMAN

/ZOSTEDGUY

/JOHN.CADMAN.9

EP. 034 - 21/04/2017

DEN OF LORE

JOHN CADMAN | ENGINEER & INVENTOR

1
00:00:41,470 --> 00:00:48,709
[Music]

2
00:00:52,869 --> 00:00:50,229
good evening ladies and gentlemen

3
00:00:55,590 --> 00:00:52,879
welcome to the program i am your host

4
00:00:59,270 --> 00:00:55,600
chris george zuger and across the desk

5
00:01:01,189 --> 00:00:59,280
for me is my co-host big sexy alex

6
00:01:03,029 --> 00:01:01,199
say hello big sexy

7
00:01:04,549 --> 00:01:03,039
hello big sexy we call a big sexy

8
00:01:06,469 --> 00:01:04,559
because the ladies love them you have

9
00:01:08,469 --> 00:01:06,479
entered the den of lore please do grab

10
00:01:10,469 --> 00:01:08,479
yourselves your glasses of scotch and

11
00:01:11,990 --> 00:01:10,479
pull your chair up to the fire because

12
00:01:15,830 --> 00:01:12,000
we are going to learn some cool [\h__\h]

13
00:01:16,630 --> 00:01:15,840

tonight courtesy of one mr john cadman

14
00:01:19,030 --> 00:01:16,640
whom

15
00:01:23,270 --> 00:01:19,040
we have been eager to have on the show

16
00:01:25,190 --> 00:01:23,280
this is episode 34 this is the 2 21st of

17
00:01:27,510 --> 00:01:25,200
april 2017

18
00:01:30,390 --> 00:01:27,520
and we are knee deep

19
00:01:33,270 --> 00:01:30,400
arm deep up to the elbow in science

20
00:01:35,670 --> 00:01:33,280
month so i'd like to uh thank you very

21
00:01:36,870 --> 00:01:35,680
much for all for tuning in and we've got

22
00:01:38,870 --> 00:01:36,880
the guys

23
00:01:41,749 --> 00:01:38,880
who are waiting on the line

24
00:01:43,190 --> 00:01:41,759
um and uh we just cut out their sound so

25
00:01:44,950 --> 00:01:43,200
just to make sure that the intro is nice

26
00:01:47,830 --> 00:01:44,960
and crisp and clear for all of you

27
00:01:48,630 --> 00:01:47,840
ladies and gentlemen out there

28
00:01:49,670 --> 00:01:48,640
so

29
00:01:52,230 --> 00:01:49,680
um

30
00:01:55,030 --> 00:01:52,240
we also would like to encourage you all

31
00:01:57,590 --> 00:01:55,040
to check out our twitter page at den of

32
00:02:00,469 --> 00:01:57,600
lore subscribe to us on itunes google

33
00:02:02,230 --> 00:02:00,479
play uh snitcher tune in whichever and

34
00:02:03,749 --> 00:02:02,240
also if you do like the content that we

35
00:02:07,429 --> 00:02:03,759
bring to you every single week you can

36
00:02:09,749 --> 00:02:07,439
now support us via paypal monthly or via

37
00:02:12,309 --> 00:02:09,759
one-time donation at dentalore.com

38
00:02:15,910 --> 00:02:12,319

forward slash support or you can become

39
00:02:18,949 --> 00:02:15,920
a patreon and get some cool swag that

40
00:02:21,030 --> 00:02:18,959
way uh you'll get some high quality uh

41
00:02:22,470 --> 00:02:21,040
feel free to send us a bottle of scotch

42
00:02:24,229 --> 00:02:22,480
or you can or you can send us a bottle

43
00:02:27,110 --> 00:02:24,239
of scotch in the mail although a 50

44
00:02:28,390 --> 00:02:27,120
donation would do just as well and uh

45
00:02:30,150 --> 00:02:28,400
you know just to be able to thank some

46
00:02:32,550 --> 00:02:30,160
of our donors uh danny kerr thank you

47
00:02:35,430 --> 00:02:32,560
very much for the bottle of scotch slash

48
00:02:36,229 --> 00:02:35,440
uh paying for internet this month much

49
00:02:37,990 --> 00:02:36,239
it

50
00:02:40,309 --> 00:02:38,000
uh fantastic he's been listening to the

51
00:02:44,150 --> 00:02:40,319
show for six weeks or so uh in addition

52
00:02:46,229 --> 00:02:44,160
to that uh for our patreon uh patrons uh

53
00:02:48,470 --> 00:02:46,239
one is venice from a magical egypt and

54
00:02:50,390 --> 00:02:48,480
the other is another guest of ours uh mr

55
00:02:53,430 --> 00:02:50,400
uh doug keenan

56
00:02:55,270 --> 00:02:53,440
so thank you and as well i do also have

57
00:02:59,589 --> 00:02:55,280
one new

58
00:03:01,030 --> 00:02:59,599
donor i should say which i'd like to

59
00:03:05,589 --> 00:03:01,040
personally think

60
00:03:09,320 --> 00:03:07,030
one second here this is what happens i

61
00:03:10,790 --> 00:03:09,330
get 50 emails in a week or in a day

62
00:03:11,750 --> 00:03:10,800
[Music]

63
00:03:14,149 --> 00:03:11,760

it's good

64
00:03:17,030 --> 00:03:14,159
it is good it is good

65
00:03:19,190 --> 00:03:17,040
uh nope that is not it

66
00:03:20,550 --> 00:03:19,200
you know i i know i got it it's one of a

67
00:03:21,990 --> 00:03:20,560
gun i'm gonna thank you by the end of

68
00:03:23,589 --> 00:03:22,000
the show and i do apologize because it

69
00:03:25,270 --> 00:03:23,599
was a one dollar donation but still one

70
00:03:26,710 --> 00:03:25,280
dollar does go a long way

71
00:03:29,110 --> 00:03:26,720
and uh

72
00:03:32,229 --> 00:03:29,120
and all of that good stuff and with our

73
00:03:33,750 --> 00:03:32,239
music coming to a close

74
00:03:37,030 --> 00:03:33,760
never get these in here so i'm just

75
00:03:39,990 --> 00:03:37,040
going to quickly switch out to

76
00:03:41,589 --> 00:03:40,000
our in studio cam ladies and gentlemen

77
00:03:44,470 --> 00:03:41,599
welcome to the program

78
00:03:45,670 --> 00:03:44,480
um i'm hoping and one thing that i

79
00:03:47,350 --> 00:03:45,680
learned a couple of weeks ago is to

80
00:03:49,750 --> 00:03:47,360
always always always double check the

81
00:03:51,430 --> 00:03:49,760
chat because if our

82
00:03:53,589 --> 00:03:51,440
darned technology doesn't work and

83
00:03:55,190 --> 00:03:53,599
there's no sound for whatever reason i

84
00:03:57,030 --> 00:03:55,200
want to know about it

85
00:03:58,630 --> 00:03:57,040
so i need to make sure that i can talk

86
00:04:00,710 --> 00:03:58,640
to all of you late lovely ladies and

87
00:04:02,470 --> 00:04:00,720
gentlemen as we go

88
00:04:04,789 --> 00:04:02,480

and just make sure we've got that going

89
00:04:06,470 --> 00:04:04,799
on here so how is that audio fixed in

90
00:04:08,949 --> 00:04:06,480
bellington thank

91
00:04:10,630 --> 00:04:08,959
thank goodness okay so

92
00:04:12,630 --> 00:04:10,640
um it's good to know that we've got at

93
00:04:14,949 --> 00:04:12,640
least some sound going

94
00:04:17,509 --> 00:04:14,959
and welcome to the program um i'm going

95
00:04:19,909 --> 00:04:17,519
to welcome our guests onto the air

96
00:04:22,310 --> 00:04:19,919
gentlemen

97
00:04:23,670 --> 00:04:22,320
good evening good evening good evening

98
00:04:25,189 --> 00:04:23,680
now before we start i know that we

99
00:04:28,230 --> 00:04:25,199
always like to be able to include our

100
00:04:29,909 --> 00:04:28,240
guests in our opening segment and we do

101
00:04:33,350 --> 00:04:29,919
have a very funny interesting opening

102
00:04:35,990 --> 00:04:33,360
segment for uh for you all today now as

103
00:04:39,030 --> 00:04:36,000
you may or may not know

104
00:04:42,390 --> 00:04:39,040
i get a lot of emails from fans and from

105
00:04:44,550 --> 00:04:42,400
just people in general uh sometimes it

106
00:04:45,990 --> 00:04:44,560
is just a lot of spam and i'm just

107
00:04:49,510 --> 00:04:46,000
seeing all of the emails just to

108
00:04:54,310 --> 00:04:51,270
okay there we go oh and a special thanks

109
00:04:57,990 --> 00:04:54,320
to ellen chen uh who sent us a donation

110
00:04:59,990 --> 00:04:58,000
paypal today uh ellen uh your

111
00:05:01,590 --> 00:05:00,000
contribution keeps us on the air keeps

112
00:05:04,310 --> 00:05:01,600
us in scotch and keeps us nice and

113
00:05:05,590 --> 00:05:04,320

lumber in addition to paying the lights

114
00:05:07,270 --> 00:05:05,600
and paying the electricity and the

115
00:05:09,270 --> 00:05:07,280
internet we pay the show out of our own

116
00:05:11,110 --> 00:05:09,280
pocket so making sure that

117
00:05:13,350 --> 00:05:11,120
we do not have to have interruptions

118
00:05:14,710 --> 00:05:13,360
such as ads or

119
00:05:16,950 --> 00:05:14,720
you know the like

120
00:05:20,150 --> 00:05:16,960
on air or have to put our stuff behind a

121
00:05:22,150 --> 00:05:20,160
paywall uh your contribution goes a long

122
00:05:25,749 --> 00:05:22,160
way so

123
00:05:27,510 --> 00:05:25,759
and what time so yes i got an email

124
00:05:28,950 --> 00:05:27,520
from i think it was wednesday i think i

125
00:05:31,510 --> 00:05:28,960
sent this to you

126
00:05:33,430 --> 00:05:31,520
and uh you know normally we do very very

127
00:05:35,670 --> 00:05:33,440
heartfelt and heartwarming emails but

128
00:05:38,469 --> 00:05:35,680
this was just too damned funny

129
00:05:41,350 --> 00:05:38,479
and this is from a miss vera

130
00:05:43,590 --> 00:05:41,360
and she writes dearest i know this mail

131
00:05:45,189 --> 00:05:43,600
will come to you as a surprise since we

132
00:05:46,950 --> 00:05:45,199
haven't known or come across each other

133
00:05:48,390 --> 00:05:46,960
before considering the fact that i

134
00:05:50,950 --> 00:05:48,400
sourced your email contact through the

135
00:05:54,150 --> 00:05:50,960
internet in search of trusted person

136
00:05:56,710 --> 00:05:54,160
person who can assist me my name is miss

137
00:05:59,189 --> 00:05:56,720
vera warlord ibrahim

138
00:06:01,270 --> 00:05:59,199

kolobali

139
00:06:04,309 --> 00:06:01,280
i am the only child of my late father

140
00:06:07,909 --> 00:06:04,319
late chief sergeant warlord ibrahim

141
00:06:09,830 --> 00:06:07,919
kolobali aka general eba

142
00:06:11,430 --> 00:06:09,840
it's like hey eve how's it going that's

143
00:06:13,189 --> 00:06:11,440
a great name

144
00:06:15,670 --> 00:06:13,199
my late father was a well-known ivory

145
00:06:18,390 --> 00:06:15,680
coast militia leader he died on thursday

146
00:06:20,710 --> 00:06:18,400
28 april 2011 following a fight with the

147
00:06:22,790 --> 00:06:20,720
republican forces of iron coast or

148
00:06:24,150 --> 00:06:22,800
otherwise known as the frci now i didn't

149
00:06:25,590 --> 00:06:24,160
fact check this so i have to double

150
00:06:27,430 --> 00:06:25,600
check this if anybody out there can can

151
00:06:29,110 --> 00:06:27,440
look for this this would be fantastic

152
00:06:30,469 --> 00:06:29,120
you can read more about my father in the

153
00:06:31,830 --> 00:06:30,479
link below there's actually a link so

154
00:06:34,469 --> 00:06:31,840
i'm going to give you

155
00:06:35,909 --> 00:06:34,479
all this link in the chat

156
00:06:38,230 --> 00:06:35,919
one second here

157
00:06:40,070 --> 00:06:38,240
our poor fans are going to be

158
00:06:41,749 --> 00:06:40,080
no no no they're going to be inheriting

159
00:06:44,390 --> 00:06:41,759
millions of dollars

160
00:06:47,430 --> 00:06:44,400
it's it's not over yet oh crap

161
00:06:50,309 --> 00:06:47,440
once i'll just cut out the sound

162
00:06:52,790 --> 00:06:50,319
i am 24 year old 24 years now keeping my

163
00:06:54,790 --> 00:06:52,800

24 in years is not is not um

164
00:06:57,110 --> 00:06:54,800
separate old female from the republic of

165
00:06:59,830 --> 00:06:57,120
ivory coast west africa i am writing

166
00:07:02,070 --> 00:06:59,840
this mail mail to call for your

167
00:07:03,430 --> 00:07:02,080
collaboration in a partnership business

168
00:07:06,390 --> 00:07:03,440
in your country

169
00:07:08,230 --> 00:07:06,400
i'm constrained to contact you because

170
00:07:10,070 --> 00:07:08,240
of the mistreatment i am receiving from

171
00:07:11,430 --> 00:07:10,080
my stepmother there's always an evil

172
00:07:13,029 --> 00:07:11,440
stepmother in there she slaps her on the

173
00:07:14,629 --> 00:07:13,039
wrist when she's writing emails [\h__\h]

174
00:07:19,350 --> 00:07:14,639
cinderelly

175
00:07:20,309 --> 00:07:19,360
ivory or the tusk of ivory

176
00:07:23,189 --> 00:07:20,319
um

177
00:07:24,790 --> 00:07:23,199
where was i uh she planned to take away

178
00:07:26,790 --> 00:07:24,800
all my late father's treasury and

179
00:07:29,029 --> 00:07:26,800
properties from me since the unexpected

180
00:07:31,110 --> 00:07:29,039
death of my beloved father my father

181
00:07:32,670 --> 00:07:31,120
secretly deposited the sum of u.s now

182
00:07:36,550 --> 00:07:32,680
get this [\h__\h]

183
00:07:39,990 --> 00:07:36,560
4.85 billion dollars in one of bank in

184
00:07:41,990 --> 00:07:40,000
burkina faso now burkina faso i came on

185
00:07:43,830 --> 00:07:42,000
the fasos actually in lower case so i

186
00:07:45,990 --> 00:07:43,840
think that's misspelled with my name as

187
00:07:48,230 --> 00:07:46,000
the next of kin however i shall forge

188
00:07:50,390 --> 00:07:48,240

you the with with i should forward you

189
00:07:52,469 --> 00:07:50,400
to with the necessary information of the

190
00:07:55,029 --> 00:07:52,479
deposit on confirmation of your

191
00:07:56,550 --> 00:07:55,039
acceptance to assist me for the transfer

192
00:07:59,270 --> 00:07:56,560
and investment of the fund in your

193
00:08:02,469 --> 00:07:59,280
country i will give you my pictures and

194
00:08:05,270 --> 00:08:02,479
details about me in my next mail

195
00:08:07,589 --> 00:08:05,280
period please all communication should

196
00:08:11,110 --> 00:08:07,599
be go through this email address which

197
00:08:13,270 --> 00:08:11,120
is ms vera110 gmail.com for all of you

198
00:08:14,790 --> 00:08:13,280
who want to get that four point eight

199
00:08:16,629 --> 00:08:14,800
percent if anyone's looking for billions

200
00:08:18,309 --> 00:08:16,639
of dollars exactly for confidential

201
00:08:19,589 --> 00:08:18,319
purposes well [\h__\h] that we need to talk

202
00:08:21,430 --> 00:08:19,599
to this woman she's gonna do well

203
00:08:23,350 --> 00:08:21,440
exactly well here's the thing and at

204
00:08:24,790 --> 00:08:23,360
your sincerely miss vera we we could

205
00:08:26,550 --> 00:08:24,800
funnel that we could launder that money

206
00:08:27,830 --> 00:08:26,560
through the then of lord show right well

207
00:08:31,110 --> 00:08:27,840
i'm that's kind of what i'm what i'm

208
00:08:34,949 --> 00:08:31,120
thinking here um now

209
00:08:36,070 --> 00:08:34,959
you know there's uh there's a lot of

210
00:08:37,430 --> 00:08:36,080
you know there are a lot of ethical

211
00:08:40,389 --> 00:08:37,440
things we have to worry about with

212
00:08:41,909 --> 00:08:40,399
regards to miss vera in this money um

213
00:08:44,310 --> 00:08:41,919

now first of all there is also the fact

214
00:08:46,150 --> 00:08:44,320
is that if she's offering us like 4.85

215
00:08:48,550 --> 00:08:46,160
billion imagine what her stepmother

216
00:08:51,509 --> 00:08:48,560
would offer us if we told her that this

217
00:08:54,230 --> 00:08:51,519
[\h__\h] was going down so um miss vera i'm

218
00:08:55,829 --> 00:08:54,240
terribly sorry to to have to uh be the

219
00:08:58,389 --> 00:08:55,839
bearer of bad news but i'm going to sell

220
00:09:00,150 --> 00:08:58,399
you out to the burkina faso feds

221
00:09:03,190 --> 00:09:00,160
and

222
00:09:04,870 --> 00:09:03,200
you know i think uh i i think that um i

223
00:09:07,350 --> 00:09:04,880
think that i'll get some

224
00:09:08,470 --> 00:09:07,360
good better rewards from your evil

225
00:09:09,670 --> 00:09:08,480
stepmother

226
00:09:12,550 --> 00:09:09,680
so

227
00:09:14,310 --> 00:09:12,560
kalu kalei as it were uh

228
00:09:16,230 --> 00:09:14,320
yes so that was that was basically the

229
00:09:17,430 --> 00:09:16,240
that was basically the email i received

230
00:09:20,389 --> 00:09:17,440
but uh

231
00:09:21,829 --> 00:09:20,399
gentlemen what are your thoughts

232
00:09:24,070 --> 00:09:21,839
should we should we launch it and

233
00:09:26,790 --> 00:09:24,080
launder that money that 4.85 billion

234
00:09:30,949 --> 00:09:29,590
i'd want to meet her first

235
00:09:32,630 --> 00:09:30,959
well she's a burkina faso that might be

236
00:09:34,829 --> 00:09:32,640
quite hard

237
00:09:37,829 --> 00:09:34,839
you'll have to go there then

238
00:09:40,150 --> 00:09:37,839

okay so much hybrid

239
00:09:41,910 --> 00:09:40,160
now ladies and gentlemen

240
00:09:44,150 --> 00:09:41,920
which african currency is this because

241
00:09:45,509 --> 00:09:44,160
that could be way less money i'm not too

242
00:09:47,829 --> 00:09:45,519
sure bit rate

243
00:09:51,030 --> 00:09:47,839
check out forex first make sure it's not

244
00:09:52,710 --> 00:09:51,040
like ten dollars of some sort of fiat

245
00:09:54,150 --> 00:09:52,720
currency

246
00:09:55,670 --> 00:09:54,160
well it's it's probably in it's you in

247
00:09:56,949 --> 00:09:55,680
u.s dollars so of course it's in the

248
00:09:59,190 --> 00:09:56,959
fiat currency

249
00:10:00,790 --> 00:09:59,200
um now i just think like a hundred years

250
00:10:02,150 --> 00:10:00,800
from now you'll get one of these but it

251
00:10:04,389 --> 00:10:02,160
will like

252
00:10:07,829 --> 00:10:04,399
my evil stepmother wants to to

253
00:10:09,350 --> 00:10:07,839
keep uh six billion cryptocurrency coins

254
00:10:11,910 --> 00:10:09,360
well there you go

255
00:10:15,990 --> 00:10:13,269
now though i noticed that there is going

256
00:10:17,910 --> 00:10:16,000
to be there that there is some chop

257
00:10:19,910 --> 00:10:17,920
in the uh in the video and i do

258
00:10:22,230 --> 00:10:19,920
apologize for the ladies and gentlemen

259
00:10:23,590 --> 00:10:22,240
um for that uh let me just see here i'm

260
00:10:25,350 --> 00:10:23,600
trying to

261
00:10:27,590 --> 00:10:25,360
i'm gonna have to fix it fix up the

262
00:10:29,509 --> 00:10:27,600
bitrate for that so unfortunately there

263
00:10:31,990 --> 00:10:29,519

is not so while i'm looking for that

264
00:10:34,310 --> 00:10:32,000
information um

265
00:10:36,870 --> 00:10:34,320
let's let's uh let's let's get um john

266
00:10:39,190 --> 00:10:36,880
cadman on there now uh john i wasn't

267
00:10:41,030 --> 00:10:39,200
able to find much of a bio for you so i

268
00:10:42,550 --> 00:10:41,040
cobbled uh together that uh let's see

269
00:10:43,990 --> 00:10:42,560
what i got here for you

270
00:10:45,670 --> 00:10:44,000
uh

271
00:10:47,670 --> 00:10:45,680
john cadman is a writer and researcher

272
00:10:49,190 --> 00:10:47,680
who and work embodies a theory that

273
00:10:51,750 --> 00:10:49,200
suggests that the great pyramid of giza

274
00:10:53,269 --> 00:10:51,760
is a subterranean chamber water pump and

275
00:10:56,389 --> 00:10:53,279
pulse generator

276
00:10:58,389 --> 00:10:56,399
and you can also check out his links

277
00:11:01,670 --> 00:10:58,399
as well as his youtube channel that is

278
00:11:04,310 --> 00:11:01,680
all in the show notes so john how are

279
00:11:06,150 --> 00:11:04,320
you doing today

280
00:11:08,550 --> 00:11:06,160
uh it's a great day out in uh the

281
00:11:11,990 --> 00:11:08,560
northwest pacific northwest

282
00:11:19,350 --> 00:11:12,000
so good day good day eh

283
00:11:22,630 --> 00:11:20,630
okay now ladies and gentlemen i'm just

284
00:11:24,710 --> 00:11:22,640
going to quickly just reset the

285
00:11:25,990 --> 00:11:24,720
um uh reset the feed just so i can up

286
00:11:27,670 --> 00:11:26,000
the bit rate so we can actually get some

287
00:11:30,710 --> 00:11:27,680
better frame rate going here so give me

288
00:11:34,470 --> 00:11:32,310

chris would have to actually give up his

289
00:11:36,389 --> 00:11:34,480
computer seat in order for somebody else

290
00:11:39,509 --> 00:11:36,399
to do this they'd have to jockey his

291
00:11:44,949 --> 00:11:39,519
whole hard drive system

292
00:11:48,870 --> 00:11:46,630
okay i think i've got better frame rate

293
00:11:50,230 --> 00:11:48,880
there we go finally

294
00:11:52,230 --> 00:11:50,240
that's yeah it's a little bit better i

295
00:11:54,310 --> 00:11:52,240
think uh now see the the ladies and

296
00:11:55,750 --> 00:11:54,320
gentlemen i do apologize i messed up

297
00:11:57,110 --> 00:11:55,760
setting up the bit rate so when once we

298
00:11:58,150 --> 00:11:57,120
started streaming i couldn't actually

299
00:12:01,269 --> 00:11:58,160
stop

300
00:12:02,790 --> 00:12:01,279
and uh we're trying to stream in 1080p

301
00:12:03,750 --> 00:12:02,800
it's not exactly the greatest right now

302
00:12:05,350 --> 00:12:03,760
so it's probably going to be a little

303
00:12:06,629 --> 00:12:05,360
bit choppy if anybody knows how to be

304
00:12:09,030 --> 00:12:06,639
able to fix this while we're in chat

305
00:12:10,230 --> 00:12:09,040
please do let me know um

306
00:12:11,350 --> 00:12:10,240
so uh

307
00:12:15,190 --> 00:12:11,360
john please do tell us a little bit

308
00:12:16,389 --> 00:12:15,200
about yourself if if that is possible

309
00:12:18,870 --> 00:12:16,399
well

310
00:12:21,509 --> 00:12:18,880
my background really is is

311
00:12:22,470 --> 00:12:21,519
was uh as an engineer up on crab boats

312
00:12:26,389 --> 00:12:22,480
in

313
00:12:29,430 --> 00:12:26,399

crab fisheries

314
00:12:30,310 --> 00:12:29,440
uh spent a number of years up there

315
00:12:33,430 --> 00:12:30,320
uh

316
00:12:35,990 --> 00:12:33,440
did that to pay to go to

317
00:12:38,389 --> 00:12:36,000
western washington university i was

318
00:12:39,750 --> 00:12:38,399
taking engineering there

319
00:12:42,150 --> 00:12:39,760
and so mostly

320
00:12:44,629 --> 00:12:42,160
kids in this neck of the woods anyways

321
00:12:46,710 --> 00:12:44,639
go up north to alaska to

322
00:12:48,389 --> 00:12:46,720
help pay for tuition

323
00:12:49,430 --> 00:12:48,399
so

324
00:12:50,550 --> 00:12:49,440
learn

325
00:12:52,230 --> 00:12:50,560
ended up

326
00:12:53,430 --> 00:12:52,240
doing that for a living for a number of

327
00:12:54,470 --> 00:12:53,440
years

328
00:12:55,670 --> 00:12:54,480
uh

329
00:12:57,910 --> 00:12:55,680
learned the

330
00:13:00,230 --> 00:12:57,920
the trade and how to

331
00:13:02,150 --> 00:13:00,240
make things actually work and what what

332
00:13:04,310 --> 00:13:02,160
sort of fluid dynamics

333
00:13:06,389 --> 00:13:04,320
are required for all sorts of machines

334
00:13:07,590 --> 00:13:06,399
every anyway from any different types of

335
00:13:08,870 --> 00:13:07,600
pump

336
00:13:11,269 --> 00:13:08,880
uh

337
00:13:12,790 --> 00:13:11,279
anywhere from centrifugal pumps to gear

338
00:13:14,310 --> 00:13:12,800

pumps and

339
00:13:15,910 --> 00:13:14,320
and also worked on refrigeration

340
00:13:18,470 --> 00:13:15,920
equipment up there and so there's

341
00:13:20,629 --> 00:13:18,480
different types of pumps and pressures

342
00:13:23,190 --> 00:13:20,639
on those also

343
00:13:25,269 --> 00:13:23,200
so so that's kind of my background and

344
00:13:27,190 --> 00:13:25,279
how i know how a lot of things actually

345
00:13:28,870 --> 00:13:27,200
work in real life

346
00:13:32,150 --> 00:13:28,880
is uh

347
00:13:35,670 --> 00:13:32,160
actual application and fixing things

348
00:13:46,069 --> 00:13:37,110
and

349
00:13:48,310 --> 00:13:46,079
interested in off-grid sort of living

350
00:13:50,629 --> 00:13:48,320
situations that's always fascinated me

351
00:13:53,110 --> 00:13:50,639
ever since i was small

352
00:13:55,350 --> 00:13:53,120
and uh there was a

353
00:13:58,550 --> 00:13:55,360
period when i was going to school down

354
00:14:00,870 --> 00:13:58,560
in los angeles of all places

355
00:14:03,829 --> 00:14:00,880
uh but it was by the beach down by plaid

356
00:14:06,949 --> 00:14:03,839
el rey so it was cool at the time

357
00:14:09,030 --> 00:14:06,959
uh but still wanted to be up in the

358
00:14:11,269 --> 00:14:09,040
woods of either

359
00:14:13,910 --> 00:14:11,279
this area or up in alaska

360
00:14:16,389 --> 00:14:13,920
kind of living

361
00:14:18,790 --> 00:14:16,399
off-grid sort of situations

362
00:14:21,990 --> 00:14:18,800
so learned a lot about

363
00:14:22,790 --> 00:14:22,000

you know alternative energies and

364
00:14:26,949 --> 00:14:22,800
more

365
00:14:30,470 --> 00:14:28,829
and that kind of led

366
00:14:34,150 --> 00:14:30,480
to

367
00:14:36,710 --> 00:14:34,160
looking at the pomps or the

368
00:14:39,189 --> 00:14:36,720
that theory which

369
00:14:40,230 --> 00:14:39,199
originally wasn't mine i stumbled across

370
00:14:42,790 --> 00:14:40,240
it

371
00:14:44,389 --> 00:14:42,800
uh and richard nunes

372
00:14:46,230 --> 00:14:44,399
everybody knows richard newton's book

373
00:14:47,590 --> 00:14:46,240
five five two thousand

374
00:14:49,670 --> 00:14:47,600
there around

375
00:14:52,230 --> 00:14:49,680
uh it was very popular book right before

376
00:14:55,829 --> 00:14:52,240
the end of the millennia

377
00:14:58,870 --> 00:14:55,839
one of those doomsday prophecy books

378
00:15:01,189 --> 00:14:58,880
uh which was pretty much at most

379
00:15:05,910 --> 00:15:01,199
bookstores

380
00:15:10,550 --> 00:15:08,389
uh he richard newton

381
00:15:13,750 --> 00:15:10,560
it's actually a really good book it's a

382
00:15:15,829 --> 00:15:13,760
thing it just has uh the two percent of

383
00:15:16,790 --> 00:15:15,839
the doomsday

384
00:15:20,949 --> 00:15:16,800
uh

385
00:15:22,069 --> 00:15:20,959
planetary alignment gravitational shifts

386
00:15:27,670 --> 00:15:22,079
of uh

387
00:15:29,030 --> 00:15:27,680
which didn't seem to affect much

388
00:15:30,949 --> 00:15:29,040

anything

389
00:15:33,910 --> 00:15:30,959
since obviously

390
00:15:36,310 --> 00:15:33,920
uh but the book itself was excellent it

391
00:15:39,350 --> 00:15:36,320
covered everything from ancient egypt to

392
00:15:42,790 --> 00:15:39,360
uh especially the the pyramids

393
00:15:45,430 --> 00:15:42,800
a lot of technical how-to in it i guess

394
00:15:46,550 --> 00:15:45,440
very much technical how to use but it

395
00:15:48,710 --> 00:15:46,560
also

396
00:15:51,110 --> 00:15:48,720
covered more of the histories

397
00:15:52,829 --> 00:15:51,120
and covered things such as peter

398
00:15:55,910 --> 00:15:52,839
tompkins works

399
00:15:58,150 --> 00:15:55,920
uh cannot think of the names but

400
00:16:00,230 --> 00:15:58,160
it was his was one of the most extensive

401
00:16:02,389 --> 00:16:00,240
books on the great pyramid itself

402
00:16:05,189 --> 00:16:02,399
secrets of the great pyramid

403
00:16:09,749 --> 00:16:05,199
but had a lot of his works and then had

404
00:16:12,230 --> 00:16:09,759
uh napoleon's adventures into

405
00:16:14,150 --> 00:16:12,240
into egypt and all their

406
00:16:17,269 --> 00:16:14,160
all of uh their

407
00:16:18,629 --> 00:16:17,279
expeditions writing and documenting

408
00:16:20,870 --> 00:16:18,639
excuse me

409
00:16:24,470 --> 00:16:20,880
that expeditions or

410
00:16:27,030 --> 00:16:24,480
yes the sbc was there for

411
00:16:28,710 --> 00:16:27,040
i think about four years

412
00:16:31,110 --> 00:16:28,720
and they documented

413
00:16:36,470 --> 00:16:31,120

as much as possible all of

414
00:16:40,150 --> 00:16:38,310
covered that and

415
00:16:42,710 --> 00:16:40,160
the histories of the great pyramid and

416
00:16:45,590 --> 00:16:42,720
also covered things such as the templars

417
00:16:46,870 --> 00:16:45,600
and their histories and

418
00:16:48,310 --> 00:16:46,880
just uh

419
00:16:52,550 --> 00:16:48,320
pretty much all the ancient

420
00:16:56,790 --> 00:16:54,949
that's kind of where

421
00:16:59,269 --> 00:16:56,800
i found the book actually fascinating

422
00:17:01,430 --> 00:16:59,279
besides that doomsday

423
00:17:05,510 --> 00:17:01,440
nonsense stuff which

424
00:17:09,669 --> 00:17:07,590
but part of what was in the back of the

425
00:17:13,270 --> 00:17:09,679
book towards the end which he actually

426
00:17:15,510 --> 00:17:13,280
added i think in about 1988

427
00:17:16,630 --> 00:17:15,520
he added some research which he'd come

428
00:17:19,429 --> 00:17:16,640
across

429
00:17:21,829 --> 00:17:19,439
which was a

430
00:17:24,390 --> 00:17:21,839
fellow named edward kunkel

431
00:17:25,590 --> 00:17:24,400
now edward council was back from back in

432
00:17:35,909 --> 00:17:25,600
the

433
00:17:37,669 --> 00:17:35,919
uh engineer type also businessmen

434
00:17:39,510 --> 00:17:37,679
and he made a bet

435
00:17:41,750 --> 00:17:39,520
he might have made a bet with uh one of

436
00:17:46,460 --> 00:17:41,760
his belt buddies that he could figure

437
00:17:46,470 --> 00:17:50,470
[Music]

438
00:17:53,110 --> 00:17:51,830

give it two seconds i have to stop the

439
00:17:54,549 --> 00:17:53,120
feed again because i'm just gonna try

440
00:17:56,150 --> 00:17:54,559
one more thing here too

441
00:18:10,950 --> 00:17:56,160
let me just pick the phone here not a

442
00:18:10,960 --> 00:18:16,789
is good

443
00:18:20,710 --> 00:18:18,789
tompkins book that's an excellent one

444
00:18:21,909 --> 00:18:20,720
indispensable

445
00:18:24,710 --> 00:18:21,919
absolutely

446
00:18:26,070 --> 00:18:24,720
between tompkins and also tompkins is

447
00:18:29,110 --> 00:18:26,080
excellent

448
00:18:30,950 --> 00:18:29,120
nunes is absolutely exceptional it's

449
00:18:34,510 --> 00:18:30,960
surprisingly good

450
00:18:37,110 --> 00:18:34,520
i actually used it quite extensively for

451
00:18:38,870 --> 00:18:37,120
cross-referencing things such as the

452
00:18:41,590 --> 00:18:38,880
especially the sub chamber because

453
00:18:44,150 --> 00:18:41,600
there's so many errors

454
00:18:45,510 --> 00:18:44,160
whereas the upper chambers there to the

455
00:18:47,430 --> 00:18:45,520
millimeter

456
00:18:50,870 --> 00:18:47,440
the sub-chamber other than the

457
00:18:54,549 --> 00:18:50,880
descending passage is a giant jumble of

458
00:18:54,559 --> 00:19:00,310
at least was a challenge

459
00:19:04,470 --> 00:19:01,830
now

460
00:19:06,230 --> 00:19:04,480
if if you were up north how how did you

461
00:19:09,590 --> 00:19:06,240
first get into

462
00:19:11,430 --> 00:19:09,600
uh you know the your overall

463
00:19:13,270 --> 00:19:11,440

let's say interest in egypt like what

464
00:19:14,390 --> 00:19:13,280
what was the the major kind of jump

465
00:19:15,830 --> 00:19:14,400
between the two

466
00:19:18,070 --> 00:19:15,840
yeah where's the connection between

467
00:19:19,669 --> 00:19:18,080
alaska and

468
00:19:21,669 --> 00:19:19,679
the pyramid obviously the pump

469
00:19:23,270 --> 00:19:21,679
connection but

470
00:19:24,870 --> 00:19:23,280
there's no connection

471
00:19:27,350 --> 00:19:24,880
nothing there's just no connection i was

472
00:19:30,070 --> 00:19:27,360
just fascinated with the

473
00:19:31,990 --> 00:19:30,080
once i started delving into the actual

474
00:19:33,990 --> 00:19:32,000
engineering that

475
00:19:35,909 --> 00:19:34,000
was accomplished

476
00:19:38,630 --> 00:19:35,919
and seeing the engineering principles

477
00:19:40,870 --> 00:19:38,640
then it became fascinating

478
00:19:44,390 --> 00:19:40,880
so that i think the connection is just

479
00:19:47,110 --> 00:19:44,400
the engineering of large-scale

480
00:19:48,390 --> 00:19:47,120
uh indestructible items

481
00:19:54,070 --> 00:19:48,400
of machines

482
00:19:56,630 --> 00:19:55,190
so he

483
00:19:58,150 --> 00:19:56,640
we chatted about the pyramids once

484
00:20:00,950 --> 00:19:58,160
before and i had made a bunch of

485
00:20:02,470 --> 00:20:00,960
comments about you know what would the

486
00:20:03,830 --> 00:20:02,480
what kind of pressures would we be

487
00:20:04,630 --> 00:20:03,840
dealing with here

488
00:20:05,830 --> 00:20:04,640

we

489
00:20:07,669 --> 00:20:05,840
have chatted with some people

490
00:20:09,270 --> 00:20:07,679
speculating that there was a there's a

491
00:20:11,029 --> 00:20:09,280
chemical reaction here for these

492
00:20:13,029 --> 00:20:11,039
chambers and then

493
00:20:15,270 --> 00:20:13,039
if it's a pump then how are those

494
00:20:18,070 --> 00:20:15,280
measurements relevant to

495
00:20:19,110 --> 00:20:18,080
pump dynamics

496
00:20:21,750 --> 00:20:19,120
okay the

497
00:20:23,029 --> 00:20:21,760
the subterranean chamber itself has a

498
00:20:23,909 --> 00:20:23,039
shaft that

499
00:20:26,630 --> 00:20:23,919
uh

500
00:20:28,950 --> 00:20:26,640
it's 330 foot long it's approximately

501
00:20:31,510 --> 00:20:28,960
four foot square

502
00:20:34,149 --> 00:20:31,520
extremely straight

503
00:20:35,510 --> 00:20:34,159
but it went from the exterior the

504
00:20:36,950 --> 00:20:35,520
entrance door

505
00:20:38,710 --> 00:20:36,960
down under

506
00:20:42,230 --> 00:20:38,720
underneath this the core of the great

507
00:20:44,630 --> 00:20:42,240
pyramid and that was a hundred feet

508
00:20:46,510 --> 00:20:44,640
below the bedrock

509
00:20:48,789 --> 00:20:46,520
and directly below

510
00:20:50,470 --> 00:20:48,799
the uh

511
00:20:52,230 --> 00:20:50,480
central axis

512
00:20:54,230 --> 00:20:52,240
the pyramid would not be functioning at

513
00:20:59,029 --> 00:20:54,240

atmospheric pressure it would be

514
00:21:04,310 --> 00:21:01,830
well originally the pop itself i i

515
00:21:06,789 --> 00:21:04,320
wanted to make it because

516
00:21:08,870 --> 00:21:06,799
uh edward kunkel had said that

517
00:21:11,430 --> 00:21:08,880
said that he had built parts of it and

518
00:21:12,149 --> 00:21:11,440
he came up with two different theories

519
00:21:13,669 --> 00:21:12,159
they

520
00:21:15,990 --> 00:21:13,679
came up with one

521
00:21:17,110 --> 00:21:16,000
which he described as the construction

522
00:21:19,510 --> 00:21:17,120
pump

523
00:21:21,110 --> 00:21:19,520
and that was just the lower half

524
00:21:24,950 --> 00:21:21,120
and a lot of that

525
00:21:24,960 --> 00:21:29,350
describe some sort of vortex

526
00:21:32,870 --> 00:21:30,789
where would be the evidence for the

527
00:21:34,950 --> 00:21:32,880
downstream of the pump so say if the

528
00:21:36,710 --> 00:21:34,960
pump's driving a giant irrigation system

529
00:21:38,470 --> 00:21:36,720
uh

530
00:21:40,390 --> 00:21:38,480
is there any

531
00:21:43,270 --> 00:21:40,400
where would the where is the outlet on

532
00:21:44,630 --> 00:21:43,280
the pyramid for it being a pump how does

533
00:21:46,710 --> 00:21:44,640
this uh

534
00:21:49,750 --> 00:21:46,720
theory work

535
00:21:51,590 --> 00:21:49,760
now his what he said and it made no

536
00:21:54,149 --> 00:21:51,600
sense to me

537
00:21:57,590 --> 00:21:54,159
was that it had an output up at the

538
00:21:59,430 --> 00:21:57,600

upper parts of the pyramid with the lamb

539
00:22:01,990 --> 00:21:59,440
skin sort of

540
00:22:04,630 --> 00:22:02,000
pipes that went out into the desert

541
00:22:07,510 --> 00:22:04,640
which seemed absolutely ridiculous like

542
00:22:09,270 --> 00:22:07,520
a giant sprinkler

543
00:22:11,029 --> 00:22:09,280
okay but a lot of

544
00:22:13,510 --> 00:22:11,039
a lot of what he

545
00:22:14,789 --> 00:22:13,520
he came up with actually made sense

546
00:22:17,990 --> 00:22:14,799
as far as

547
00:22:20,310 --> 00:22:18,000
vortex assisted hydraulic ram pump

548
00:22:22,710 --> 00:22:20,320
it was incomplete

549
00:22:27,110 --> 00:22:22,720
his description

550
00:22:28,950 --> 00:22:27,120
and i so i made a model back in 1999

551
00:22:32,470 --> 00:22:28,960
so it's like a vertical scroll

552
00:22:36,789 --> 00:22:34,789
vertical scroll compressor they're

553
00:22:38,470 --> 00:22:36,799
saying there's like a vortex like coming

554
00:22:39,669 --> 00:22:38,480
up through the pyramid because as far as

555
00:22:41,430 --> 00:22:39,679
i know the interior structure of the

556
00:22:43,990 --> 00:22:41,440
pyramid

557
00:22:46,230 --> 00:22:44,000
wouldn't be accommodating for a spiral

558
00:22:47,510 --> 00:22:46,240
pattern if you were say pushing water

559
00:22:49,430 --> 00:22:47,520
through it or something

560
00:22:51,510 --> 00:22:49,440
i don't like it's all square

561
00:22:53,029 --> 00:22:51,520
construction for the interior piping

562
00:22:54,950 --> 00:22:53,039
systems

563
00:22:57,029 --> 00:22:54,960

so you'd lose a lot of your centrifugal

564
00:22:58,789 --> 00:22:57,039
force through the square resistance

565
00:22:59,990 --> 00:22:58,799
factor on the pipes

566
00:23:02,750 --> 00:23:00,000
potentially

567
00:23:04,789 --> 00:23:02,760
i'm theorizing here but

568
00:23:06,950 --> 00:23:04,799
[Music]

569
00:23:09,270 --> 00:23:06,960
i'm following uh no it didn't actually

570
00:23:12,070 --> 00:23:09,280
pump water into the pyramid itself uh

571
00:23:14,390 --> 00:23:12,080
very little that's

572
00:23:16,950 --> 00:23:14,400
that was the conclusion is that

573
00:23:19,750 --> 00:23:16,960
the water pumping action

574
00:23:22,470 --> 00:23:19,760
wasn't actually to pump water

575
00:23:23,430 --> 00:23:22,480
because there was already a giant

576
00:23:26,230 --> 00:23:23,440
lake

577
00:23:27,590 --> 00:23:26,240
that was uh inland and

578
00:23:29,990 --> 00:23:27,600
and there's

579
00:23:31,830 --> 00:23:30,000
tunnels and pipes etc all over the

580
00:23:34,470 --> 00:23:31,840
plateau and

581
00:23:37,669 --> 00:23:34,480
other evidence

582
00:23:39,190 --> 00:23:37,679
strongly pointed to an older era

583
00:23:41,750 --> 00:23:39,200
of construction

584
00:23:43,270 --> 00:23:41,760
when they didn't need their irrigation

585
00:23:48,549 --> 00:23:43,280
anyways

586
00:23:52,470 --> 00:23:49,990
so that

587
00:23:53,909 --> 00:23:52,480
it was redundant okay now how did you

588
00:23:55,430 --> 00:23:53,919

stumble upon the idea that it was a

589
00:23:56,390 --> 00:23:55,440
water pump like what was the source of

590
00:23:59,990 --> 00:23:56,400
your

591
00:24:05,510 --> 00:24:02,310
my source was just re seeing

592
00:24:06,870 --> 00:24:05,520
edward kunkel's sketches and description

593
00:24:12,870 --> 00:24:06,880
and then

594
00:24:14,789 --> 00:24:12,880
and the need was going off grid

595
00:24:18,789 --> 00:24:14,799
where there's you know there's no

596
00:24:21,269 --> 00:24:18,799
power and needed to do some irrigation

597
00:24:24,230 --> 00:24:21,279
and had a

598
00:24:26,950 --> 00:24:24,240
as water source but needed to transfer

599
00:24:30,630 --> 00:24:26,960
water over a distance over you know say

600
00:24:33,029 --> 00:24:30,640
a thousand feet with uh somewhat of a

601
00:24:35,350 --> 00:24:33,039
drop of the water

602
00:24:37,350 --> 00:24:35,360
the head

603
00:24:40,149 --> 00:24:37,360
so that's the that's where the need is

604
00:24:44,789 --> 00:24:40,159
and that's where actually

605
00:24:47,750 --> 00:24:46,870
interesting um i'm thinking there's like

606
00:24:49,269 --> 00:24:47,760
uh

607
00:24:51,510 --> 00:24:49,279
some people were talking about it as a

608
00:24:53,750 --> 00:24:51,520
potential grain silo so if they saw like

609
00:24:55,990 --> 00:24:53,760
the nice age was coming 10 000 years ago

610
00:24:58,070 --> 00:24:56,000
then they had 300 years to build this

611
00:25:00,070 --> 00:24:58,080
pyramid so if you were using it as a

612
00:25:02,070 --> 00:25:00,080
grain silo then and the world was going

613
00:25:04,070 --> 00:25:02,080

to flood you'd want to put a sump pump

614
00:25:05,269 --> 00:25:04,080
system in the bottom of your grain silo

615
00:25:07,269 --> 00:25:05,279
so it wouldn't all

616
00:25:08,950 --> 00:25:07,279
rot out the grain

617
00:25:10,950 --> 00:25:08,960
i'm just trying to interconnect multiple

618
00:25:12,870 --> 00:25:10,960
theories here in terms of why did they

619
00:25:15,029 --> 00:25:12,880
build a pyramid what's the function what

620
00:25:16,310 --> 00:25:15,039
are the proofs of the function

621
00:25:18,470 --> 00:25:16,320
um

622
00:25:21,190 --> 00:25:18,480
any any insights on

623
00:25:22,390 --> 00:25:21,200
connecting some of those dots or well

624
00:25:24,950 --> 00:25:22,400
this is kind of one of the things i've

625
00:25:26,950 --> 00:25:24,960
always wondered you know

626
00:25:28,710 --> 00:25:26,960
with regards to this this type of theory

627
00:25:30,149 --> 00:25:28,720
because we've had the monoatomic gold

628
00:25:33,190 --> 00:25:30,159
theory we've had

629
00:25:34,870 --> 00:25:33,200
uh this is our third water pump show in

630
00:25:38,390 --> 00:25:34,880
the space of about a month

631
00:25:39,830 --> 00:25:38,400
just because it's such a a wide vast

632
00:25:40,710 --> 00:25:39,840
subject

633
00:25:42,710 --> 00:25:40,720
now

634
00:25:44,310 --> 00:25:42,720
the big thing for me

635
00:25:46,310 --> 00:25:44,320
is the idea

636
00:25:48,549 --> 00:25:46,320
that it is

637
00:25:50,310 --> 00:25:48,559
you know that the the the king's chamber

638
00:25:51,510 --> 00:25:50,320

had like with some type of resonance

639
00:25:52,950 --> 00:25:51,520
structure

640
00:25:53,750 --> 00:25:52,960
um

641
00:25:55,510 --> 00:25:53,760
so

642
00:25:56,870 --> 00:25:55,520
if we're connecting multiple theories i

643
00:25:58,710 --> 00:25:56,880
would say start from the beginning as

644
00:26:00,710 --> 00:25:58,720
far as your process

645
00:26:02,070 --> 00:26:00,720
uh from you know recognizing the

646
00:26:03,590 --> 00:26:02,080
building as a pump like what is the

647
00:26:05,590 --> 00:26:03,600
first part the second part the third

648
00:26:07,590 --> 00:26:05,600
part like deconstructive i'd love to see

649
00:26:09,350 --> 00:26:07,600
somebody take the interior volume of the

650
00:26:11,350 --> 00:26:09,360
empty space inside the pyramid they say

651
00:26:12,950 --> 00:26:11,360
well okay there's 45 stories worth of

652
00:26:14,630 --> 00:26:12,960
head pressure there's this volume of

653
00:26:16,789 --> 00:26:14,640
empty space in the pyramid that we know

654
00:26:18,710 --> 00:26:16,799
about what would be the volumetric

655
00:26:20,710 --> 00:26:18,720
capacity of water if this is a water

656
00:26:22,070 --> 00:26:20,720
pump and what would be the head pressure

657
00:26:22,950 --> 00:26:22,080
on the system

658
00:26:25,350 --> 00:26:22,960
uh

659
00:26:27,430 --> 00:26:25,360
maybe that's why they built the pyramid

660
00:26:28,950 --> 00:26:27,440
that's several steps ahead of

661
00:26:30,950 --> 00:26:28,960
like the the idea of the water pump is

662
00:26:32,710 --> 00:26:30,960
okay well how how did the entire thing

663
00:26:33,830 --> 00:26:32,720

like how does the machine work how how

664
00:26:35,669 --> 00:26:33,840
did

665
00:26:38,230 --> 00:26:35,679
you start construction

666
00:26:40,070 --> 00:26:38,240
for for your own model

667
00:26:42,710 --> 00:26:40,080
against what is actually in the

668
00:26:43,590 --> 00:26:42,720
internals and how if you can explain

669
00:26:45,590 --> 00:26:43,600
that

670
00:26:51,110 --> 00:26:45,600
from you know from a from an expert

671
00:26:56,070 --> 00:26:53,350
my vision and how i

672
00:26:58,230 --> 00:26:56,080
determined the construction i actually

673
00:27:00,070 --> 00:26:58,240
went first had to determine some sort of

674
00:27:01,269 --> 00:27:00,080
scale

675
00:27:01,990 --> 00:27:01,279
and i

676
00:27:04,149 --> 00:27:02,000
with

677
00:27:06,230 --> 00:27:04,159
a lot of the shafts being there's a four

678
00:27:09,029 --> 00:27:06,240
foot shaft and three foot shaft and two

679
00:27:12,549 --> 00:27:09,039
foot shaft all these square shafts

680
00:27:14,230 --> 00:27:12,559
i'm gonna have to replicate them

681
00:27:16,149 --> 00:27:14,240
then i need to

682
00:27:17,110 --> 00:27:16,159
obviously need to do some sort of scale

683
00:27:19,269 --> 00:27:17,120
which

684
00:27:21,590 --> 00:27:19,279
will go along with that and so i did a

685
00:27:24,789 --> 00:27:21,600
quarter inch to the foot

686
00:27:27,269 --> 00:27:24,799
um that gives you a four foot it's a one

687
00:27:28,630 --> 00:27:27,279
inch square shaft and then three foots a

688
00:27:31,590 --> 00:27:28,640

three quarter inch

689
00:27:33,510 --> 00:27:31,600
and uh two is a half inch

690
00:27:35,750 --> 00:27:33,520
so when you start with a scale that you

691
00:27:37,269 --> 00:27:35,760
can actually use and build

692
00:27:39,669 --> 00:27:37,279
at that point

693
00:27:40,950 --> 00:27:39,679
you start to do a build and uh start

694
00:27:43,190 --> 00:27:40,960
replicating

695
00:27:46,149 --> 00:27:43,200
so that was how i started

696
00:27:49,350 --> 00:27:46,159
this first scale and then

697
00:27:51,590 --> 00:27:49,360
the next thing was to actually

698
00:27:54,870 --> 00:27:51,600
do a scale of the subtraining chamber

699
00:27:58,549 --> 00:27:54,880
itself and the sub drain chambers

700
00:28:00,710 --> 00:27:58,559
27 feet by 46 feet

701
00:28:04,070 --> 00:28:00,720
and so i think it's like seven inches by

702
00:28:05,669 --> 00:28:04,080
11 inch square model

703
00:28:07,430 --> 00:28:05,679
by about

704
00:28:09,110 --> 00:28:07,440
five inches deep

705
00:28:10,710 --> 00:28:09,120
i commend you on actually building a

706
00:28:14,710 --> 00:28:10,720
scaled-down model

707
00:28:22,389 --> 00:28:14,720
that's much further than most people go

708
00:28:22,399 --> 00:28:26,070
i i almost cannot

709
00:28:31,269 --> 00:28:28,789
explain or put enough exclamation points

710
00:28:33,990 --> 00:28:31,279
beyond that since

711
00:28:37,190 --> 00:28:34,000
other people's stuff is garbage

712
00:28:40,950 --> 00:28:39,510
now if if

713
00:28:43,430 --> 00:28:40,960

for like for instance uh daniel

714
00:28:45,190 --> 00:28:43,440
alexander here in youtube chat is asking

715
00:28:47,269 --> 00:28:45,200
if it's burning hydrogen and hydrogen

716
00:28:49,029 --> 00:28:47,279
implodes creating a vacuum which would

717
00:28:51,350 --> 00:28:49,039
draw water upward the steam would

718
00:28:53,190 --> 00:28:51,360
condense and flow back down potentially

719
00:28:54,389 --> 00:28:53,200
to be used for drinking uh and

720
00:28:57,430 --> 00:28:54,399
irrigation

721
00:28:59,990 --> 00:28:57,440
is the typical stuff i'm sorry

722
00:29:01,830 --> 00:29:00,000
that's kind cool stuff and it's a mess

723
00:29:06,230 --> 00:29:01,840
because you only get 32

724
00:29:07,269 --> 00:29:06,240
uh a vacuum and only elevate 32 feet

725
00:29:09,029 --> 00:29:07,279
so

726
00:29:10,830 --> 00:29:09,039
okay and kristen

727
00:29:13,029 --> 00:29:10,840
explained that

728
00:29:16,230 --> 00:29:13,039
massively oh

729
00:29:18,149 --> 00:29:16,240
no it's just old stuff from 2000. okay

730
00:29:19,909 --> 00:29:18,159
now uh alex what was your question

731
00:29:21,990 --> 00:29:19,919
originally from like after as far as

732
00:29:23,990 --> 00:29:22,000
pressure was concerned

733
00:29:25,990 --> 00:29:24,000
well if it was a pump then what kind of

734
00:29:27,269 --> 00:29:26,000
head pressures what kind of volumetric

735
00:29:29,510 --> 00:29:27,279
calculations

736
00:29:31,190 --> 00:29:29,520
the world

737
00:29:32,710 --> 00:29:31,200
aspiring young engineers out there who

738
00:29:35,269 --> 00:29:32,720

want to build a scaled down model for

739
00:29:37,830 --> 00:29:35,279
themselves where would they start uh how

740
00:29:39,430 --> 00:29:37,840
does this study john's work he's got an

741
00:29:42,389 --> 00:29:39,440
eighth scale working

742
00:29:45,350 --> 00:29:42,399
yeah well just taking conversation

743
00:29:47,110 --> 00:29:45,360
to tell us about the model i guess

744
00:29:48,389 --> 00:29:47,120
i guess the main thing is is it's going

745
00:29:50,389 --> 00:29:48,399
to have to you have to build something

746
00:29:51,990 --> 00:29:50,399
that's really indestructible and that's

747
00:29:54,950 --> 00:29:52,000
a lot of where

748
00:29:56,950 --> 00:29:54,960
the you know the bering sea king crab

749
00:29:58,470 --> 00:29:56,960
engineer stuff came in is everything

750
00:29:59,990 --> 00:29:58,480
there you have to make indestructible

751
00:30:01,830 --> 00:30:00,000
you actually have to know how to make

752
00:30:03,430 --> 00:30:01,840
[\h__\h] because

753
00:30:05,190 --> 00:30:03,440
like a lot of people are just talkers

754
00:30:06,549 --> 00:30:05,200
and they don't actually know how things

755
00:30:08,230 --> 00:30:06,559
actually work

756
00:30:10,149 --> 00:30:08,240
um so that's where kind of the

757
00:30:12,870 --> 00:30:10,159
background comes from

758
00:30:14,310 --> 00:30:12,880
so when i made it i doing the quarter

759
00:30:16,310 --> 00:30:14,320
inch to the foot

760
00:30:17,669 --> 00:30:16,320
i started with if you're going to do a

761
00:30:19,350 --> 00:30:17,679
one inch square pipe you have to

762
00:30:20,870 --> 00:30:19,360
oversize it for

763
00:30:22,710 --> 00:30:20,880

is you're going to have drag and you

764
00:30:24,950 --> 00:30:22,720
want to undersize the pipe so i went

765
00:30:26,630 --> 00:30:24,960
with an inch and a quarter pvc

766
00:30:27,430 --> 00:30:26,640
which is

767
00:30:28,470 --> 00:30:27,440
uh

768
00:30:30,710 --> 00:30:28,480
on that

769
00:30:33,590 --> 00:30:30,720
drive shaft because it's only about four

770
00:30:37,830 --> 00:30:33,600
foot to drop to it and four foot a drop

771
00:30:41,510 --> 00:30:37,840
at four times a point when it's 0.42

772
00:30:44,389 --> 00:30:41,520
pounds per foot now that's only 1.6

773
00:30:46,549 --> 00:30:44,399
uh pounds of pressure at that elevation

774
00:30:49,190 --> 00:30:46,559
so that's the head pressure

775
00:30:51,269 --> 00:30:49,200
which is minimal so i use schedule

776
00:30:54,149 --> 00:30:51,279
just schedule schedule 40 inch and a

777
00:30:59,430 --> 00:30:57,430
which is rated for 480 psi

778
00:31:01,590 --> 00:30:59,440
i think that was more than

779
00:31:04,149 --> 00:31:01,600
yeah

780
00:31:07,350 --> 00:31:04,159
so i used that for the drive pipe the

781
00:31:09,269 --> 00:31:07,360
descending passage which is 330 foot

782
00:31:11,190 --> 00:31:09,279
pipe

783
00:31:12,789 --> 00:31:11,200
so that's where i started and then the

784
00:31:14,070 --> 00:31:12,799
next thing was to build an actual sub

785
00:31:16,149 --> 00:31:14,080
chamber

786
00:31:19,590 --> 00:31:16,159
and build it out of some sort of

787
00:31:21,750 --> 00:31:19,600
material that seemed like it would hold

788
00:31:24,389 --> 00:31:21,760

the pressure

789
00:31:27,750 --> 00:31:24,399
and try to replicate as much of it the

790
00:31:31,350 --> 00:31:27,760
interior as possible just a step there's

791
00:31:36,149 --> 00:31:33,909
all sorts of hydraulic features was in

792
00:31:40,310 --> 00:31:37,990
so that was the next

793
00:31:41,909 --> 00:31:40,320
that was actually a huge challenge

794
00:31:44,149 --> 00:31:41,919
because there's so many errors and so

795
00:31:46,470 --> 00:31:44,159
many people's sketches

796
00:31:47,750 --> 00:31:46,480
and it's very incomplete

797
00:31:49,830 --> 00:31:47,760
uh

798
00:31:51,590 --> 00:31:49,840
so that was the next challenge the first

799
00:31:52,870 --> 00:31:51,600
one i'm actually made out of cement

800
00:31:58,430 --> 00:31:52,880
blocks

801
00:32:01,830 --> 00:31:58,440
i made that back in

802
00:32:06,789 --> 00:32:01,840
1999 and that thing uh it completely

803
00:32:11,669 --> 00:32:09,669
so then i actually had a mold and once

804
00:32:14,070 --> 00:32:11,679
you i made a rubber mold so i could

805
00:32:15,830 --> 00:32:14,080
actually make an epoxy fiberglass one

806
00:32:18,230 --> 00:32:15,840
overlay one

807
00:32:22,389 --> 00:32:18,240
so that was the next model be built

808
00:32:27,350 --> 00:32:22,399
and that was a fail also from

809
00:32:34,310 --> 00:32:30,070
plus it would i realized at that time

810
00:32:35,909 --> 00:32:34,320
back in 1999 that these shafts were

811
00:32:38,470 --> 00:32:35,919
the wrong way out

812
00:32:40,070 --> 00:32:38,480
there was incomplete shafts and missing

813
00:32:42,630 --> 00:32:40,080

outputs

814
00:32:44,870 --> 00:32:42,640
and so that i have to i had to get

815
00:32:47,430 --> 00:32:44,880
topographical maps which were hard at

816
00:32:50,230 --> 00:32:47,440
the time didn't have google earth

817
00:32:52,950 --> 00:32:50,240
which is really nice now

818
00:32:56,310 --> 00:32:52,960
so i had to actually figure out where

819
00:32:57,590 --> 00:32:56,320
various outputs would be for the

820
00:32:59,110 --> 00:32:57,600
wastegate

821
00:33:01,669 --> 00:32:59,120
and uh

822
00:33:04,230 --> 00:33:01,679
probably the biggest error that

823
00:33:07,830 --> 00:33:04,240
edward uncle made

824
00:33:10,470 --> 00:33:07,840
which was a huge problem for me was that

825
00:33:11,509 --> 00:33:10,480
he kept saying that the subterranean

826
00:33:14,230 --> 00:33:11,519
chamber

827
00:33:15,269 --> 00:33:14,240
would utilize an air cushion

828
00:33:18,070 --> 00:33:15,279
which is

829
00:33:20,789 --> 00:33:18,080
really standard in hydraulic ramps and

830
00:33:22,710 --> 00:33:20,799
that it just use a vortex and some sort

831
00:33:24,630 --> 00:33:22,720
of pressure

832
00:33:27,269 --> 00:33:24,640
to compress the air down the sub

833
00:33:30,789 --> 00:33:27,279
training chamber and then it reverse the

834
00:33:37,990 --> 00:33:34,789
the air was a problem and that took me

835
00:33:39,909 --> 00:33:38,000
another six months to figure out that

836
00:33:43,669 --> 00:33:39,919
the subterranean chamber

837
00:33:46,789 --> 00:33:43,679
actually should have zero error

838
00:33:48,389 --> 00:33:46,799

and so i had to redesign the model

839
00:33:50,710 --> 00:33:48,399
and

840
00:33:53,990 --> 00:33:50,720
actually match what

841
00:33:56,630 --> 00:33:54,000
what uh earlier explorers had said was

842
00:33:58,549 --> 00:33:56,640
in that location in locations

843
00:34:00,310 --> 00:33:58,559
did you get cavitation in your model or

844
00:34:01,110 --> 00:34:00,320
something or

845
00:34:07,029 --> 00:34:01,120
i

846
00:34:09,909 --> 00:34:07,039
of the

847
00:34:13,270 --> 00:34:09,919
the wastegate line and i could hear it

848
00:34:15,190 --> 00:34:13,280
uh it sounds like cavitation mid

849
00:34:18,629 --> 00:34:15,200
midline

850
00:34:20,470 --> 00:34:18,639
uh going to the wastegate

851
00:34:22,550 --> 00:34:20,480
john do you think that cavitation

852
00:34:25,589 --> 00:34:22,560
explains the erosion that's seen in the

853
00:34:30,710 --> 00:34:27,510
the cavitation

854
00:34:33,030 --> 00:34:30,720
indirectly indirectly it does

855
00:34:35,270 --> 00:34:33,040
now the

856
00:34:36,869 --> 00:34:35,280
way the pumps actually runs it actually

857
00:34:38,069 --> 00:34:36,879
uh has a

858
00:34:41,190 --> 00:34:38,079
a valve

859
00:34:43,430 --> 00:34:41,200
down in front of the sphinx area it's

860
00:34:45,470 --> 00:34:43,440
2000 feet away

861
00:34:48,710 --> 00:34:45,480
which slams shut

862
00:34:50,629 --> 00:34:48,720
instantaneously with the water flow

863
00:34:54,230 --> 00:34:50,639

it creates a

864
00:34:55,750 --> 00:34:54,240
shock wave a water hammer was a

865
00:34:58,150 --> 00:34:55,760
common name

866
00:34:59,109 --> 00:34:58,160
but it causes a compression wave and it

867
00:35:02,390 --> 00:34:59,119
also

868
00:35:05,190 --> 00:35:02,400
creates a rarefaction wave now the

869
00:35:06,790 --> 00:35:05,200
compression wave itself

870
00:35:07,829 --> 00:35:06,800
on my model

871
00:35:09,910 --> 00:35:07,839
which is

872
00:35:12,230 --> 00:35:09,920
you know pretty small scale

873
00:35:17,589 --> 00:35:12,240
i get no less

874
00:35:18,870 --> 00:35:17,599
absolute minimum of 120 psi spike

875
00:35:21,750 --> 00:35:18,880
and

876
00:35:24,390 --> 00:35:21,760
i'm thinking it's closer to 300 psi

877
00:35:30,870 --> 00:35:24,400
spike as i break

878
00:35:35,829 --> 00:35:32,870
so if you translate it just through

879
00:35:38,950 --> 00:35:35,839
scale then the pyramid itself would be

880
00:35:41,829 --> 00:35:38,960
no less than 330

881
00:35:43,030 --> 00:35:41,839
pounds uh psi output

882
00:35:46,230 --> 00:35:43,040
so that's you know

883
00:35:48,950 --> 00:35:46,240
that's enough for irrigation or whatever

884
00:35:52,230 --> 00:35:48,960
ridiculous stuff you want to do

885
00:35:56,950 --> 00:35:52,240
because it's kind of redundant

886
00:35:59,750 --> 00:35:57,670
so

887
00:36:01,990 --> 00:35:59,760
with okay with the with the compression

888
00:36:02,870 --> 00:36:02,000

wave that shock wave you got a shock

889
00:36:07,990 --> 00:36:02,880
wave

890
00:36:10,790 --> 00:36:08,000
within water within fluids

891
00:36:13,430 --> 00:36:10,800
hydraulic pressures you get a shock wave

892
00:36:14,710 --> 00:36:13,440
and you get a rarefaction wave which is

893
00:36:16,550 --> 00:36:14,720
equal

894
00:36:19,109 --> 00:36:16,560
and opposite

895
00:36:21,670 --> 00:36:19,119
to this high pressure spike so you got

896
00:36:24,710 --> 00:36:21,680
an extremely low pressure

897
00:36:27,990 --> 00:36:24,720
rarefaction following this

898
00:36:30,950 --> 00:36:28,000
up this line and when it goes up

899
00:36:33,829 --> 00:36:30,960
the line and then it reflects on a

900
00:36:35,589 --> 00:36:33,839
45 degree plane surface

901
00:36:37,750 --> 00:36:35,599
down at the bottom of the pit and shoots

902
00:36:40,630 --> 00:36:37,760
up to the ceiling

903
00:36:42,150 --> 00:36:40,640
the rare fact the compression wave hits

904
00:36:44,710 --> 00:36:42,160
the ceiling rock

905
00:36:46,230 --> 00:36:44,720
and sends a shock wave up through

906
00:36:48,470 --> 00:36:46,240
to the king's chamber and queen's

907
00:36:50,470 --> 00:36:48,480
chamber to resonate them i've got

908
00:36:51,910 --> 00:36:50,480
recordings of that

909
00:36:54,230 --> 00:36:51,920
um

910
00:36:56,069 --> 00:36:54,240
but right after that that this is where

911
00:36:59,510 --> 00:36:56,079
the erosion actually comes from is the

912
00:37:01,990 --> 00:36:59,520
rarefaction rate the rarefaction wave is

913
00:37:03,190 --> 00:37:02,000

a low pressure

914
00:37:05,589 --> 00:37:03,200
um

915
00:37:06,829 --> 00:37:05,599
extreme low pressure uh

916
00:37:09,910 --> 00:37:06,839
shock or

917
00:37:12,630 --> 00:37:09,920
anti-shock that actually pulls

918
00:37:14,630 --> 00:37:12,640
it chips away from the ceiling and if

919
00:37:17,270 --> 00:37:14,640
you look at the ceiling that's exactly

920
00:37:18,950 --> 00:37:17,280
what you see you'll see it in

921
00:37:20,310 --> 00:37:18,960
they use it for offshore oil drilling

922
00:37:22,550 --> 00:37:20,320
rigs they

923
00:37:25,109 --> 00:37:22,560
use it for uh

924
00:37:27,349 --> 00:37:25,119
mining for uh they use the hydraulic

925
00:37:30,870 --> 00:37:27,359
pulse generators in mining and offshore

926
00:37:31,910 --> 00:37:30,880
oil drilling rigs for exactly that

927
00:37:34,069 --> 00:37:31,920
um

928
00:37:35,990 --> 00:37:34,079
same uses the same names the hydraulic

929
00:37:37,190 --> 00:37:36,000
pulse generator

930
00:37:40,470 --> 00:37:37,200
uh

931
00:37:42,550 --> 00:37:40,480
so it's definitely seen there's

932
00:37:44,630 --> 00:37:42,560
it's not there's not a question because

933
00:37:46,630 --> 00:37:44,640
with like it being limestone you've got

934
00:37:48,470 --> 00:37:46,640
layers and there was a

935
00:37:50,470 --> 00:37:48,480
the old

936
00:37:54,310 --> 00:37:50,480
coral reef bedrock

937
00:37:56,069 --> 00:37:54,320
and so it actually chipped downwards

938
00:37:59,670 --> 00:37:56,079

and so the ceiling above the pit

939
00:38:05,030 --> 00:38:01,510
erosion from that or

940
00:38:07,270 --> 00:38:05,040
shipping from it

941
00:38:10,470 --> 00:38:07,280
so that would definitely send shockwaves

942
00:38:11,589 --> 00:38:10,480
up into the pyramid itself

943
00:38:15,190 --> 00:38:11,599
i have

944
00:38:16,069 --> 00:38:15,200
in the model i actually put an isolated

945
00:38:18,230 --> 00:38:16,079
like a

946
00:38:20,390 --> 00:38:18,240
gopro

947
00:38:22,710 --> 00:38:20,400
on top of the rock

948
00:38:25,990 --> 00:38:22,720
above the pit

949
00:38:28,230 --> 00:38:26,000
and then recorded the shock wave which

950
00:38:29,910 --> 00:38:28,240
which actually would go through

951
00:38:31,589 --> 00:38:29,920
the sub chamber through the water and

952
00:38:34,069 --> 00:38:31,599
now this is just shock wave through the

953
00:38:35,829 --> 00:38:34,079
water it's not the pipe it's completely

954
00:38:37,430 --> 00:38:35,839
isolated from the pipe

955
00:38:38,550 --> 00:38:37,440
so it's just a shock wave going through

956
00:38:40,310 --> 00:38:38,560
the water

957
00:38:41,910 --> 00:38:40,320
and then transferring up through the

958
00:38:43,670 --> 00:38:41,920
ceiling

959
00:38:45,030 --> 00:38:43,680
and then i put up

960
00:38:47,030 --> 00:38:45,040
a gopro

961
00:38:48,470 --> 00:38:47,040
which was isolated

962
00:38:50,950 --> 00:38:48,480
to record

963
00:38:53,109 --> 00:38:50,960

the uh the shockwaves to try to get some

964
00:38:55,270 --> 00:38:53,119
sort of frequency

965
00:38:56,230 --> 00:38:55,280
of what this would cause just in this

966
00:38:59,510 --> 00:38:56,240
model

967
00:39:02,310 --> 00:38:59,520
heard from

968
00:39:04,150 --> 00:39:02,320
from doug on the the possibility of you

969
00:39:06,630 --> 00:39:04,160
know i think it was

970
00:39:09,349 --> 00:39:06,640
episode 20 30 or 31

971
00:39:11,030 --> 00:39:09,359
uh with regards to his um idea that it

972
00:39:12,630 --> 00:39:11,040
was used to image

973
00:39:15,829 --> 00:39:12,640
the solar system

974
00:39:20,550 --> 00:39:15,839
uh what is your position on the on what

975
00:39:24,630 --> 00:39:22,630
uh it was used

976
00:39:25,829 --> 00:39:24,640
to uh resonate the king's chamber in

977
00:39:26,710 --> 00:39:25,839
queens chamber

978
00:39:28,550 --> 00:39:26,720
now

979
00:39:30,630 --> 00:39:28,560
then you get a couple different

980
00:39:32,630 --> 00:39:30,640
directions on that okay

981
00:39:34,230 --> 00:39:32,640
i've i've seen

982
00:39:37,030 --> 00:39:34,240
about

983
00:39:38,310 --> 00:39:37,040
three for sure

984
00:39:41,030 --> 00:39:38,320
and i think

985
00:39:46,150 --> 00:39:41,040
doug seems to be kind of like the next

986
00:39:48,550 --> 00:39:46,160
step past chris duns it kind of

987
00:39:50,950 --> 00:39:48,560
it adds to it

988
00:39:53,990 --> 00:39:50,960

it's chris dunn's really the

989
00:39:56,710 --> 00:39:54,000
godfather of all the upper chamber

990
00:39:59,589 --> 00:39:56,720
uh being a machine just i mean

991
00:40:01,829 --> 00:39:59,599
absolutely so that's where i got

992
00:40:03,510 --> 00:40:01,839
my vision that there was actually uh

993
00:40:11,589 --> 00:40:03,520
some sort of pulse

994
00:40:16,230 --> 00:40:14,150
that's that was my

995
00:40:17,910 --> 00:40:16,240
my holy [\h__\h] mama it's like oh my god

996
00:40:20,950 --> 00:40:17,920
it's a subwoofer

997
00:40:23,430 --> 00:40:20,960
well i can relate um the pyramid when i

998
00:40:25,349 --> 00:40:23,440
made a huge bang in the grand gallery

999
00:40:27,990 --> 00:40:25,359
it was right around like i say subwoofer

1000
00:40:29,910 --> 00:40:28,000
frequencies you know my my ear would

1001
00:40:31,270 --> 00:40:29,920
tell me it was around 50 hertz i didn't

1002
00:40:32,390 --> 00:40:31,280
record that because i was waiting for

1003
00:40:34,950 --> 00:40:32,400
this guard

1004
00:40:36,630 --> 00:40:34,960
i think it's 51 hertz the pharaoh's used

1005
00:40:44,550 --> 00:40:36,640
to link to that's what joe parker came

1006
00:40:49,670 --> 00:40:46,630
yeah that sounds bang on a very fuzzy

1007
00:40:50,390 --> 00:40:49,680
base frequency in it and it resonated

1008
00:40:54,390 --> 00:40:50,400
for

1009
00:40:56,550 --> 00:40:54,400
essentially you're saying is that the

1010
00:40:59,109 --> 00:40:56,560
the pharaohs were you know anti-diluvian

1011
00:41:00,790 --> 00:40:59,119
uh speaker freakers ravers basically

1012
00:41:02,870 --> 00:41:00,800
like what

1013
00:41:04,630 --> 00:41:02,880

the biggest subwoofer on the planet get

1014
00:41:06,230 --> 00:41:04,640
get some get get some reeds make some

1015
00:41:08,790 --> 00:41:06,240
you know like some some ancient glow

1016
00:41:10,870 --> 00:41:08,800
sticks you know you eat some of that you

1017
00:41:12,790 --> 00:41:10,880
want to hear what it sounds like sure

1018
00:41:15,270 --> 00:41:12,800
sure go for it

1019
00:41:16,550 --> 00:41:15,280
let's see if i can pull this off

1020
00:41:22,470 --> 00:41:16,560
uh

1021
00:41:27,670 --> 00:41:24,710
one second someone's going to remix the

1022
00:41:34,069 --> 00:41:27,680
pyramid bass noises here

1023
00:41:39,030 --> 00:41:35,589
okay i'm going to put i'm going to turn

1024
00:41:40,870 --> 00:41:39,040
this up it's uh just a speaker system

1025
00:41:43,510 --> 00:41:40,880
hopefully there will be feedback make

1026
00:41:46,230 --> 00:41:43,520
sure it works okay this is the

1027
00:41:49,430 --> 00:41:46,240
the higher frequencies

1028
00:41:51,750 --> 00:41:49,440
now i'm adding the mid-range

1029
00:42:09,370 --> 00:41:51,760
we can't hear anything

1030
00:42:09,380 --> 00:42:13,589
[Music]

1031
00:42:20,230 --> 00:42:16,710
there we go that's awesome

1032
00:42:23,829 --> 00:42:21,990
it's actually making his

1033
00:42:28,710 --> 00:42:23,839
screen

1034
00:42:35,190 --> 00:42:29,990
i think i know that nine inch nail's

1035
00:42:39,670 --> 00:42:37,430
that's actually what it sounds like up

1036
00:42:41,349 --> 00:42:39,680
up in the uh the rock

1037
00:42:44,630 --> 00:42:41,359
up into the

1038
00:42:46,710 --> 00:42:44,640

king's chamber

1039
00:42:48,309 --> 00:42:46,720
that audio recording came from when and

1040
00:42:51,829 --> 00:42:48,319
where

1041
00:42:53,990 --> 00:42:51,839
i came from i just put a gopro right

1042
00:42:56,069 --> 00:42:54,000
back on top of the rock

1043
00:42:58,710 --> 00:42:56,079
the ceiling

1044
00:43:00,390 --> 00:42:58,720
of the sub chamber

1045
00:43:03,030 --> 00:43:00,400
with it running

1046
00:43:05,670 --> 00:43:03,040
and uh just isolated so there's no

1047
00:43:07,750 --> 00:43:05,680
outside sounds like the water or the

1048
00:43:09,109 --> 00:43:07,760
valve shutting

1049
00:43:12,069 --> 00:43:09,119
and uh

1050
00:43:14,950 --> 00:43:12,079
that's all it is so that's actually

1051
00:43:16,950 --> 00:43:14,960
actual recording so it sounds like that

1052
00:43:19,270 --> 00:43:16,960
would be up in the king's chamber that's

1053
00:43:20,630 --> 00:43:19,280
not and that's not

1054
00:43:21,910 --> 00:43:20,640
um

1055
00:43:27,109 --> 00:43:21,920
amplified

1056
00:43:30,390 --> 00:43:29,030
well for something for something that

1057
00:43:32,470 --> 00:43:30,400
large i would assume that it would be

1058
00:43:34,870 --> 00:43:32,480
loud like you know you're talking about

1059
00:43:37,030 --> 00:43:34,880
something 63 stories tall

1060
00:43:38,829 --> 00:43:37,040
it would ring the earth you would be

1061
00:43:41,190 --> 00:43:38,839
able to you'd have

1062
00:43:42,630 --> 00:43:41,200
seismic you'll find it anywhere on the

1063
00:43:44,950 --> 00:43:42,640

planet

1064
00:43:47,910 --> 00:43:44,960
there's zero doubt

1065
00:43:49,670 --> 00:43:47,920
yeah stone is a natural amplifier too uh

1066
00:43:51,349 --> 00:43:49,680
if you were to pick the pyramid up even

1067
00:43:52,630 --> 00:43:51,359
just a few inches you know cut it slice

1068
00:43:54,470 --> 00:43:52,640
it at the base

1069
00:43:56,069 --> 00:43:54,480
and hit it it wouldn't be very loud if

1070
00:43:58,309 --> 00:43:56,079
you set it down on the ground and then

1071
00:44:00,550 --> 00:43:58,319
struck it so if uh if this pulse hit the

1072
00:44:02,870 --> 00:44:00,560
bottom of the pyramid all that rock

1073
00:44:04,790 --> 00:44:02,880
carried that uh sound

1074
00:44:07,270 --> 00:44:04,800
and amplified it

1075
00:44:09,670 --> 00:44:07,280
now uh john i know that we've we've got

1076
00:44:10,950 --> 00:44:09,680
some uh some graphical

1077
00:44:14,630 --> 00:44:10,960
uh

1078
00:44:16,230 --> 00:44:14,640
be able to take us through and i know

1079
00:44:17,829 --> 00:44:16,240
there's there's quite a few of them so

1080
00:44:19,750 --> 00:44:17,839
uh knowing that we can sometimes go

1081
00:44:21,990 --> 00:44:19,760
three or four hours was there one other

1082
00:44:23,270 --> 00:44:22,000
audio clip to before we jump into that

1083
00:44:25,990 --> 00:44:23,280
or no was there

1084
00:44:28,230 --> 00:44:26,000
i i have another one uh it's not quite

1085
00:44:30,309 --> 00:44:28,240
as good but you can actually tune the

1086
00:44:33,109 --> 00:44:30,319
water pressure to create a heartbeat

1087
00:44:36,550 --> 00:44:34,630
which is

1088
00:44:39,270 --> 00:44:36,560

quite an anomaly let's let's give it a

1089
00:44:41,030 --> 00:44:39,280
go if you can play it there

1090
00:44:42,150 --> 00:44:41,040
just before we jump into the slides that

1091
00:44:44,230 --> 00:44:42,160
would be nice

1092
00:44:45,990 --> 00:44:44,240
let's just do the slides and i'll see if

1093
00:44:48,069 --> 00:44:46,000
i can find it i'll just walk through it

1094
00:44:50,230 --> 00:44:48,079
i have to remember where i've stored it

1095
00:44:53,030 --> 00:44:50,240
in all my videos sure okay then we get

1096
00:44:54,309 --> 00:44:53,040
to check out the slide show oh that okay

1097
00:44:57,430 --> 00:44:54,319
oh there we go

1098
00:44:58,790 --> 00:44:57,440
it'll make sense the slideshow just

1099
00:45:01,270 --> 00:44:58,800
shows see that that's that's kind of the

1100
00:45:06,550 --> 00:45:01,280
problem one second here uh just check

1101
00:45:11,750 --> 00:45:08,870
hopefully this works one

1102
00:45:13,270 --> 00:45:11,760
two one nope wrong one

1103
00:45:15,990 --> 00:45:13,280
thank you obs for

1104
00:45:17,750 --> 00:45:16,000
being completely useless there we go

1105
00:45:20,309 --> 00:45:17,760
okay and i'm going to share my screen

1106
00:45:23,190 --> 00:45:20,319
with you so you can see what i am seeing

1107
00:45:25,030 --> 00:45:23,200
okay share a screen

1108
00:45:28,870 --> 00:45:25,040
there we go

1109
00:45:35,190 --> 00:45:28,880
i'll just do next next next

1110
00:45:42,550 --> 00:45:36,790
okay

1111
00:45:48,470 --> 00:45:45,910
um anyways it's it shows that the biome

1112
00:45:51,510 --> 00:45:48,480
oasis at this time

1113
00:45:53,750 --> 00:45:51,520

um that was the ancient lake morris

1114
00:45:55,750 --> 00:45:53,760
and that's actually a depression and it

1115
00:45:58,309 --> 00:45:55,760
has a

1116
00:46:00,390 --> 00:45:58,319
channel that ran over to the nile river

1117
00:46:02,150 --> 00:46:00,400
so it actually filled it up and the nile

1118
00:46:04,870 --> 00:46:02,160
river was

1119
00:46:07,030 --> 00:46:04,880
was damned back in uh

1120
00:46:09,349 --> 00:46:07,040
not that distant history

1121
00:46:11,589 --> 00:46:09,359
so that's the water source and then in

1122
00:46:14,470 --> 00:46:11,599
the upper right hand corner you can see

1123
00:46:15,510 --> 00:46:14,480
some cities such as cairo and

1124
00:46:18,470 --> 00:46:15,520
giza

1125
00:46:21,109 --> 00:46:18,480
and so it's not a big distance for an

1126
00:46:22,150 --> 00:46:21,119
underground uh pipe system to go over to

1127
00:46:32,150 --> 00:46:22,160
the

1128
00:46:33,910 --> 00:46:32,160
any proof of uh or evidence i should say

1129
00:46:35,750 --> 00:46:33,920
not proof but evidence that could

1130
00:46:38,150 --> 00:46:35,760
potentially lead to an underground uh

1131
00:46:39,990 --> 00:46:38,160
water cavern system that goes with that

1132
00:46:41,589 --> 00:46:40,000
yeah

1133
00:46:42,470 --> 00:46:41,599
underground camera system they're

1134
00:46:44,390 --> 00:46:42,480
everywhere

1135
00:46:46,950 --> 00:46:44,400
well okay that goes up that far to let's

1136
00:46:49,030 --> 00:46:46,960
say you know to karnak has anybody

1137
00:46:51,030 --> 00:46:49,040
mapped the aquifers with like a lidar

1138
00:46:53,750 --> 00:46:51,040

system or

1139
00:46:57,270 --> 00:46:53,760
anything like that that you know of

1140
00:47:00,550 --> 00:46:57,280
i don't know

1141
00:47:11,829 --> 00:47:03,630
okay okay so let's go into the

1142
00:47:15,670 --> 00:47:14,150
i'm going to be hitting command 9 quite

1143
00:47:24,470 --> 00:47:15,680
a lot on this

1144
00:47:30,150 --> 00:47:26,630
so we got a 10 second lag

1145
00:47:31,190 --> 00:47:30,160
on him watching it off youtube

1146
00:47:33,190 --> 00:47:31,200
okay

1147
00:47:35,910 --> 00:47:33,200
if you if you uh jonah if you just look

1148
00:47:36,870 --> 00:47:35,920
at the skype the skype window i actually

1149
00:47:38,550 --> 00:47:36,880
have

1150
00:47:40,309 --> 00:47:38,560
my screen sharing with you so you don't

1151
00:47:41,510 --> 00:47:40,319
even need to look at uh at the youtube

1152
00:47:43,030 --> 00:47:41,520
feed

1153
00:47:46,950 --> 00:47:43,040
okay

1154
00:47:50,550 --> 00:47:46,960
now this is

1155
00:47:53,349 --> 00:47:50,560
just current just looking at um

1156
00:47:55,510 --> 00:47:53,359
giza and cairo you can see it marked

1157
00:47:58,470 --> 00:47:55,520
in the corner uh right

1158
00:48:00,069 --> 00:47:58,480
next to the delta that giant delta

1159
00:48:03,030 --> 00:48:00,079
but you can also see

1160
00:48:05,670 --> 00:48:03,040
where the nile river is

1161
00:48:07,589 --> 00:48:05,680
in proximity

1162
00:48:10,870 --> 00:48:07,599
and when they made the pyramids

1163
00:48:13,510 --> 00:48:10,880

themselves that nile delta was not there

1164
00:48:15,349 --> 00:48:13,520
the water level of the planet was lower

1165
00:48:17,349 --> 00:48:15,359
like 500 feet

1166
00:48:19,190 --> 00:48:17,359
and so it was actually at the

1167
00:48:21,190 --> 00:48:19,200
northeast corner of africa

1168
00:48:24,390 --> 00:48:21,200
and you can see

1169
00:48:26,710 --> 00:48:24,400
uh where that that biome oasis the

1170
00:48:28,470 --> 00:48:26,720
ancient lake morris is on the just

1171
00:48:30,309 --> 00:48:28,480
looking at google earth

1172
00:48:32,230 --> 00:48:30,319
okay next one

1173
00:48:34,470 --> 00:48:32,240
now circle the next one circles and

1174
00:48:35,829 --> 00:48:34,480
stuff okay slide three

1175
00:48:38,150 --> 00:48:35,839
by three

1176
00:48:39,910 --> 00:48:38,160
okay that actually shows

1177
00:48:41,510 --> 00:48:39,920
you know morris

1178
00:48:43,670 --> 00:48:41,520
circle

1179
00:48:45,109 --> 00:48:43,680
and you see you can see the channel to

1180
00:48:48,309 --> 00:48:45,119
it so that's

1181
00:48:50,710 --> 00:48:48,319
there's no

1182
00:48:52,790 --> 00:48:50,720
no guess work about this stuff

1183
00:48:55,109 --> 00:48:52,800
this actually shows this is google earth

1184
00:48:57,109 --> 00:48:55,119
essentially it's google earth okay so

1185
00:49:00,309 --> 00:48:57,119
it's blatantly obvious

1186
00:49:04,470 --> 00:49:00,319
and denial ran until i think it was a

1187
00:49:07,510 --> 00:49:04,480
65 i believe when the uh i would pretty

1188
00:49:10,230 --> 00:49:07,520

sure it was the russians made the dam

1189
00:49:12,549 --> 00:49:10,240
uh for uh hydroelectricity there oh

1190
00:49:14,710 --> 00:49:12,559
those damn russians

1191
00:49:16,790 --> 00:49:14,720
as well

1192
00:49:19,190 --> 00:49:16,800
as some people in this room

1193
00:49:21,109 --> 00:49:19,200
i'm just telling you

1194
00:49:24,630 --> 00:49:21,119
i i love the mushrooms myself well you

1195
00:49:26,390 --> 00:49:24,640
know you know i'm croatian

1196
00:49:28,390 --> 00:49:26,400
well you know if you like if you like

1197
00:49:30,470 --> 00:49:28,400
i've got friends who love vodka and you

1198
00:49:33,430 --> 00:49:30,480
know they've got some very good borscht

1199
00:49:35,750 --> 00:49:33,440
it's uh good food good food good music

1200
00:49:38,150 --> 00:49:35,760
uh it's a sloppy thing

1201
00:49:41,430 --> 00:49:38,160
they created to create a great uh breed

1202
00:49:46,549 --> 00:49:41,440
of dogs too oh this is also true

1203
00:49:47,750 --> 00:49:46,559
now uh so slide four okay next one okay

1204
00:49:50,069 --> 00:49:47,760
uh

1205
00:49:52,069 --> 00:49:50,079
oriental institute's picture buddy on

1206
00:49:53,510 --> 00:49:52,079
this one the great pyramids on the right

1207
00:49:54,870 --> 00:49:53,520
and then the

1208
00:49:56,470 --> 00:49:54,880
catherine or

1209
00:49:59,109 --> 00:49:56,480
the middle one and then whatever the

1210
00:50:01,589 --> 00:49:59,119
small one's name is coffrey

1211
00:50:04,549 --> 00:50:01,599
but you could actually see the elevation

1212
00:50:07,430 --> 00:50:04,559
how and how it had a causeway that went

1213
00:50:09,510 --> 00:50:07,440

down to where the nile is and that's

1214
00:50:11,030 --> 00:50:09,520
where the nile river is

1215
00:50:14,069 --> 00:50:11,040
or was

1216
00:50:16,549 --> 00:50:14,079
um so the causeway was just an actual

1217
00:50:17,510 --> 00:50:16,559
overflow for the

1218
00:50:21,430 --> 00:50:17,520
the

1219
00:50:23,750 --> 00:50:21,440
and all pyramids have have wall

1220
00:50:24,630 --> 00:50:23,760
structures around them and tunnels to

1221
00:50:27,190 --> 00:50:24,640
them

1222
00:50:29,670 --> 00:50:27,200
this is just gravity feed system

1223
00:50:32,150 --> 00:50:29,680
with the overflow for to

1224
00:50:33,910 --> 00:50:32,160
assure that it gets enough water

1225
00:50:36,220 --> 00:50:33,920
so you gotta have more

1226
00:50:37,670 --> 00:50:36,230
than enough okay next one

1227
00:50:40,150 --> 00:50:37,680
[Music]

1228
00:50:42,309 --> 00:50:40,160
slide five

1229
00:50:44,710 --> 00:50:42,319
okay now this is uh

1230
00:50:46,710 --> 00:50:44,720
looking down and it's a topographical

1231
00:50:49,910 --> 00:50:46,720
map

1232
00:50:52,710 --> 00:50:49,920
so i just filled in where the

1233
00:50:54,390 --> 00:50:52,720
where the nile river would be

1234
00:50:56,630 --> 00:50:54,400
so it just shows how close it actually

1235
00:50:59,030 --> 00:50:56,640
is to the nile

1236
00:51:01,670 --> 00:50:59,040
and the sphinx is down

1237
00:51:04,309 --> 00:51:01,680
uh below the middle

1238
00:51:06,950 --> 00:51:04,319

uh middle one's uh

1239
00:51:08,630 --> 00:51:06,960
a monument causeway

1240
00:51:10,390 --> 00:51:08,640
so it's only two thousand feet away from

1241
00:51:13,109 --> 00:51:10,400
the river

1242
00:51:18,870 --> 00:51:13,119
okay next one

1243
00:51:24,710 --> 00:51:22,150
oriental institute and like these guys

1244
00:51:26,150 --> 00:51:24,720
they're very conservative

1245
00:51:28,230 --> 00:51:26,160
uh

1246
00:51:29,829 --> 00:51:28,240
it's out of chicago this is their

1247
00:51:31,510 --> 00:51:29,839
graphic and they show the wall

1248
00:51:32,630 --> 00:51:31,520
structures around them

1249
00:51:35,190 --> 00:51:32,640
you know just

1250
00:51:38,630 --> 00:51:35,200
so having a moat or a wall

1251
00:51:40,230 --> 00:51:38,640
around them there's no no issue

1252
00:51:41,430 --> 00:51:40,240
i don't have to i don't have to make it

1253
00:51:43,430 --> 00:51:41,440
up how's that

1254
00:51:44,950 --> 00:51:43,440
okay now okay next one a quick question

1255
00:51:47,030 --> 00:51:44,960
before we move on to the next one uh

1256
00:51:48,870 --> 00:51:47,040
those the the three smaller pyramids in

1257
00:51:50,230 --> 00:51:48,880
front what would those have served a

1258
00:51:52,549 --> 00:51:50,240
purpose for it with regards to the

1259
00:51:54,309 --> 00:51:52,559
larger you know the the

1260
00:51:57,030 --> 00:51:54,319
pyramid of giza

1261
00:51:59,829 --> 00:51:57,040
seems to be some sort of frequency

1262
00:52:01,910 --> 00:51:59,839
tuning or

1263
00:52:02,829 --> 00:52:01,920

it has something to do with frequencies

1264
00:52:06,390 --> 00:52:02,839
and

1265
00:52:10,150 --> 00:52:06,400
i you know i don't know i have to kind

1266
00:52:14,230 --> 00:52:11,910
throwing out there

1267
00:52:16,390 --> 00:52:14,240
go for it

1268
00:52:18,950 --> 00:52:16,400
um the shadow they project on the great

1269
00:52:21,510 --> 00:52:18,960
pyramid tells you the position of the

1270
00:52:23,270 --> 00:52:21,520
sun basically the

1271
00:52:25,750 --> 00:52:23,280
center one and the

1272
00:52:27,670 --> 00:52:25,760
the center one always projects its

1273
00:52:29,589 --> 00:52:27,680
shadow and the other two the shadows

1274
00:52:31,030 --> 00:52:29,599
appear so at different times of the year

1275
00:52:33,589 --> 00:52:31,040
you'll see either all three of them

1276
00:52:35,829 --> 00:52:33,599
outlined and then the shadow will start

1277
00:52:38,710 --> 00:52:35,839
to shift until you don't

1278
00:52:41,349 --> 00:52:38,720
um so it's a way of day by day tracking

1279
00:52:43,430 --> 00:52:41,359
the motion of the sun by looking at the

1280
00:52:45,910 --> 00:52:43,440
now were they originally that way i

1281
00:52:47,270 --> 00:52:45,920
don't know if these are dynamic dynastic

1282
00:52:49,589 --> 00:52:47,280
instructions because you could do the

1283
00:52:50,950 --> 00:52:49,599
same thing with an obelisk in its place

1284
00:52:53,030 --> 00:52:50,960
maybe they're just marking it but i'm

1285
00:52:55,670 --> 00:52:53,040
just going to throw that one out there

1286
00:52:57,109 --> 00:52:55,680
that's very clever i haven't seen that

1287
00:52:59,270 --> 00:52:57,119
or heard it

1288
00:53:03,109 --> 00:52:59,280

okay so this is uh slide one two three

1289
00:53:08,150 --> 00:53:03,119
so has anyone videoed or gopro the

1290
00:53:12,390 --> 00:53:10,390
those pipes connecting the nile and then

1291
00:53:14,309 --> 00:53:12,400
how old do you think the pyramid is

1292
00:53:15,829 --> 00:53:14,319
roughly what kind of mental framework

1293
00:53:18,470 --> 00:53:15,839
are you it's just pretty cloud it's

1294
00:53:22,549 --> 00:53:18,480
pretty flawed so

1295
00:53:25,030 --> 00:53:22,559
10 000 bc prior to that so it existed at

1296
00:53:26,470 --> 00:53:25,040
that time

1297
00:53:29,990 --> 00:53:26,480
okay

1298
00:53:32,950 --> 00:53:30,000
and much of that has to do with other

1299
00:53:32,960 --> 00:53:50,630
consistent okay so this is slide seven

1300
00:53:54,829 --> 00:53:53,670
are you still getting my screen feed

1301
00:53:58,150 --> 00:53:54,839
i am

1302
00:54:01,109 --> 00:53:58,160
not i mean i see it but it didn't change

1303
00:54:02,710 --> 00:54:01,119
okay now this this one is also it's a

1304
00:54:05,109 --> 00:54:02,720
graphic that

1305
00:54:07,109 --> 00:54:05,119
richard noon had found

1306
00:54:09,510 --> 00:54:07,119
and it's from

1307
00:54:11,349 --> 00:54:09,520
howard weiss's book

1308
00:54:14,470 --> 00:54:11,359
pyramids of giza and the most

1309
00:54:15,589 --> 00:54:14,480
significant thing of this

1310
00:54:16,790 --> 00:54:15,599
graphic

1311
00:54:19,670 --> 00:54:16,800
is that

1312
00:54:21,670 --> 00:54:19,680
it shows the well shaft the charm

1313
00:54:24,549 --> 00:54:21,680

which is right in front of the

1314
00:54:26,470 --> 00:54:24,559
door area so that was the

1315
00:54:28,790 --> 00:54:26,480
connection to the

1316
00:54:30,230 --> 00:54:28,800
field and if you listen to a last show

1317
00:54:32,390 --> 00:54:30,240
with uh scott crichton it's the only

1318
00:54:34,470 --> 00:54:32,400
thing that uh vice did that was actually

1319
00:54:36,470 --> 00:54:34,480
worth a damn because apparently he

1320
00:54:39,109 --> 00:54:36,480
i heard it yeah

1321
00:54:40,630 --> 00:54:39,119
he faked it that was a good show so i

1322
00:54:42,790 --> 00:54:40,640
just want to go back and it was a good

1323
00:54:44,309 --> 00:54:42,800
show oh well i know like scott went all

1324
00:54:46,230 --> 00:54:44,319
out i'm saying i just want to go back in

1325
00:54:49,109 --> 00:54:46,240
time 200 years and slap the taste out of

1326
00:54:49,119 --> 00:54:53,510
all right this is slide eight

1327
00:54:59,510 --> 00:54:56,390
i can see why he did it but

1328
00:55:02,150 --> 00:54:59,520
sure made a mess of stuff

1329
00:55:03,990 --> 00:55:02,160
i i think it might be legit

1330
00:55:05,190 --> 00:55:04,000
but

1331
00:55:07,190 --> 00:55:05,200
yeah

1332
00:55:08,870 --> 00:55:07,200
if i built the pyramid and my you know i

1333
00:55:11,430 --> 00:55:08,880
would totally put my mark on it where no

1334
00:55:13,349 --> 00:55:11,440
one would see it

1335
00:55:15,349 --> 00:55:13,359
and uh there's red paint they found in

1336
00:55:16,790 --> 00:55:15,359
the one queen chamber shaft

1337
00:55:19,270 --> 00:55:16,800
i sent that to a picture uh that

1338
00:55:21,750 --> 00:55:19,280

patriotic doug last week well you know i

1339
00:55:23,670 --> 00:55:21,760
i will respectfully disagree

1340
00:55:25,589 --> 00:55:23,680
but um uh we respect your opinion on

1341
00:55:27,990 --> 00:55:25,599
this show and we think i'm destroying

1342
00:55:29,670 --> 00:55:28,000
free flawed even um

1343
00:55:32,230 --> 00:55:29,680
i know and i

1344
00:55:34,549 --> 00:55:32,240
it's just it's it's neat you know if uh

1345
00:55:36,870 --> 00:55:34,559
mr vise was so you know such a straight

1346
00:55:38,230 --> 00:55:36,880
shooter and you know and dude he bribed

1347
00:55:39,829 --> 00:55:38,240
his way into parliament what do you mean

1348
00:55:40,870 --> 00:55:39,839
straight shooter he's more quicker than

1349
00:55:42,790 --> 00:55:40,880
than

1350
00:55:44,040 --> 00:55:42,800
okay i don't know

1351
00:55:46,950 --> 00:55:44,050
and british teeth

1352
00:55:51,109 --> 00:55:46,960
[Laughter]

1353
00:55:52,309 --> 00:55:51,119
okay so this is this is slide eight

1354
00:55:54,069 --> 00:55:52,319
yeah it's just

1355
00:55:56,630 --> 00:55:54,079
it's from oriental institute it's a

1356
00:55:58,950 --> 00:55:56,640
wireframe so it just kind of shows

1357
00:56:01,589 --> 00:55:58,960
across that yeah the internal proximity

1358
00:56:03,670 --> 00:56:01,599
of the sub chamber as

1359
00:56:04,950 --> 00:56:03,680
to the causeway

1360
00:56:07,109 --> 00:56:04,960
um

1361
00:56:09,109 --> 00:56:07,119
and then that is a nice graphic let me

1362
00:56:10,630 --> 00:56:09,119
interject notice the position of the

1363
00:56:12,470 --> 00:56:10,640

three smaller pyramids and pretend

1364
00:56:13,910 --> 00:56:12,480
you're the sunlight coming directly from

1365
00:56:15,510 --> 00:56:13,920
the east

1366
00:56:20,309 --> 00:56:15,520
that's brilliant i

1367
00:56:37,190 --> 00:56:21,750
okay so

1368
00:56:41,670 --> 00:56:38,870
now did john just just be able to

1369
00:56:44,789 --> 00:56:41,680
confirm are you looking at the skype um

1370
00:56:46,069 --> 00:56:44,799
uh the skype feed or looking at youtube

1371
00:56:46,950 --> 00:56:46,079
i'm sorry

1372
00:56:48,470 --> 00:56:46,960
because yeah

1373
00:56:50,069 --> 00:56:48,480
skype's gonna be uh

1374
00:56:51,750 --> 00:56:50,079
you know about 20 30 seconds behind

1375
00:56:53,510 --> 00:56:51,760
where is this the skype will be like

1376
00:56:55,670 --> 00:56:53,520
almost instantaneous

1377
00:56:59,109 --> 00:56:55,680
youtube will be 20 seconds that was a

1378
00:57:01,910 --> 00:56:59,119
sale on that okay this is also

1379
00:57:06,870 --> 00:57:04,309
well just old old picture of the uh

1380
00:57:08,470 --> 00:57:06,880
pyramids but the best part of that is

1381
00:57:10,950 --> 00:57:08,480
actually looking down

1382
00:57:13,750 --> 00:57:10,960
at the bottom of the graphic and it

1383
00:57:15,750 --> 00:57:13,760
shows uh the

1384
00:57:16,870 --> 00:57:15,760
the elevation of the mediterranean and

1385
00:57:19,670 --> 00:57:16,880
the dial

1386
00:57:20,630 --> 00:57:19,680
and all that with uh correlation to the

1387
00:57:22,870 --> 00:57:20,640
where the

1388
00:57:24,549 --> 00:57:22,880

subterranean chamber is

1389
00:57:26,549 --> 00:57:24,559
so you can actually figure out where

1390
00:57:28,470 --> 00:57:26,559
shafts are going to be

1391
00:57:29,349 --> 00:57:28,480
from that

1392
00:57:32,150 --> 00:57:29,359
that's

1393
00:57:36,549 --> 00:57:32,160
absolutely brilliant

1394
00:57:39,510 --> 00:57:38,230
okay that's uh

1395
00:57:40,870 --> 00:57:39,520
okay

1396
00:57:43,349 --> 00:57:40,880
actually the bottom of that and then the

1397
00:57:47,349 --> 00:57:43,359
next graphic will actually show this is

1398
00:57:49,910 --> 00:57:48,950
you know this

1399
00:57:51,510 --> 00:57:49,920
now

1400
00:57:53,589 --> 00:57:51,520
the next few graphics are going to be

1401
00:57:55,910 --> 00:57:53,599
close-ups of the various parts of this

1402
00:57:58,390 --> 00:57:55,920
which are critical

1403
00:58:00,789 --> 00:57:58,400
okay the red arrow points to

1404
00:58:03,589 --> 00:58:00,799
the elevation of the subchamber with

1405
00:58:05,030 --> 00:58:03,599
regards to nile and the flood plains

1406
00:58:06,950 --> 00:58:05,040
and mediterranean

1407
00:58:10,309 --> 00:58:06,960
so that

1408
00:58:11,670 --> 00:58:10,319
that gives you some elevations

1409
00:58:14,150 --> 00:58:11,680
um relative

1410
00:58:16,390 --> 00:58:14,160
and then right above it that's uh

1411
00:58:19,990 --> 00:58:16,400
obviously a satellite damage

1412
00:58:23,910 --> 00:58:20,000
and what i did on that i overlaid

1413
00:58:26,470 --> 00:58:23,920

i did a you know xyz axis and dropped it

1414
00:58:28,549 --> 00:58:26,480
100 feet below the bedrock to drop

1415
00:58:29,349 --> 00:58:28,559
exactly where the pit of the subchamber

1416
00:58:33,829 --> 00:58:29,359
is

1417
00:58:37,190 --> 00:58:33,839
angled at 45 degrees

1418
00:58:39,349 --> 00:58:37,200
and that is angled for the shaft that

1419
00:58:41,589 --> 00:58:39,359
goes out to

1420
00:58:44,309 --> 00:58:41,599
that circled area which is right in

1421
00:58:47,030 --> 00:58:44,319
front of the sphinx itself

1422
00:58:48,309 --> 00:58:47,040
um you can go to the next picture

1423
00:58:53,109 --> 00:58:48,319
it'll

1424
00:59:01,430 --> 00:58:54,069
oh

1425
00:59:06,470 --> 00:59:04,230
that's gonna that's gonna suck it's

1426
00:59:10,150 --> 00:59:06,480
going to open up photoshop on me there i

1427
00:59:15,349 --> 00:59:12,230
is that your backyard

1428
00:59:19,510 --> 00:59:17,030
no this is my desktop which is basically

1429
00:59:21,349 --> 00:59:19,520
the equivalent of me dropping my drawers

1430
00:59:22,870 --> 00:59:21,359
so let's see if i can make a you know

1431
00:59:26,870 --> 00:59:22,880
nice little happy face for everybody

1432
00:59:32,950 --> 00:59:29,670
preview is preview open

1433
00:59:33,750 --> 00:59:32,960
there we go so this is slide one two

1434
00:59:37,270 --> 00:59:33,760
three

1435
00:59:39,589 --> 00:59:37,280
four five six seven eight nine

1436
00:59:40,870 --> 00:59:39,599
ten which we were just on this is slide

1437
00:59:43,430 --> 00:59:40,880
11.

1438
00:59:46,710 --> 00:59:43,440

okay okay now that's zoomed in

1439
00:59:48,549 --> 00:59:46,720
that satellite image and what i wrote

1440
00:59:50,789 --> 00:59:48,559
there is absolutely critical because

1441
00:59:51,910 --> 00:59:50,799
they did find and

1442
00:59:54,069 --> 00:59:51,920
it was

1443
00:59:56,230 --> 00:59:54,079
1980

1444
00:59:58,230 --> 00:59:56,240
um documented by the egyptian water

1445
01:00:00,710 --> 00:59:58,240
department they were drilling to check

1446
01:00:02,390 --> 01:00:00,720
the water tables and they hit rose

1447
01:00:05,829 --> 01:00:02,400
quartz granite

1448
01:00:08,470 --> 01:00:05,839
at uh 30 feet below the surface

1449
01:00:11,109 --> 01:00:08,480
and they told exactly where it is

1450
01:00:13,990 --> 01:00:11,119
so rose quartz granite does not belong

1451
01:00:15,109 --> 01:00:14,000
there so that was you're going to give a

1452
01:00:17,109 --> 01:00:15,119
very good

1453
01:00:18,230 --> 01:00:17,119
uh proximity to the elevation of the

1454
01:00:21,190 --> 01:00:18,240
output

1455
01:00:22,069 --> 01:00:21,200
shaft that'd be below the nile

1456
01:00:23,750 --> 01:00:22,079
so

1457
01:00:25,829 --> 01:00:23,760
okay you're getting

1458
01:00:26,950 --> 01:00:25,839
that's a giant clue

1459
01:00:29,270 --> 01:00:26,960
okay now what

1460
01:00:30,789 --> 01:00:29,280
the the way the shaft leaves the sub

1461
01:00:32,069 --> 01:00:30,799
chambers aimed

1462
01:00:33,829 --> 01:00:32,079
right in that direction okay so

1463
01:00:36,630 --> 01:00:33,839

basically the red arrows the shafts and

1464
01:00:38,150 --> 01:00:36,640
that circle area is 100 feet east and 30

1465
01:00:40,549 --> 01:00:38,160
feet below the surface minimum level

1466
01:00:42,789 --> 01:00:40,559
waist gate line what is the significance

1467
01:00:43,829 --> 01:00:42,799
of that

1468
01:00:44,789 --> 01:00:43,839
you need to know where the water is

1469
01:00:46,710 --> 01:00:44,799
coming out

1470
01:00:49,190 --> 01:00:46,720
okay elbow aims there okay so we gotta

1471
01:00:50,710 --> 01:00:49,200
find a start and an end point we've got

1472
01:00:53,109 --> 01:00:50,720
a start point but you don't really know

1473
01:00:55,510 --> 01:00:53,119
how deep the start point is

1474
01:00:56,390 --> 01:00:55,520
um these are getting there will be

1475
01:00:59,349 --> 01:00:56,400
uh

1476
01:01:00,789 --> 01:00:59,359
a mix of messages on how deep the shaft

1477
01:01:02,069 --> 01:01:00,799
is because they didn't really take it

1478
01:01:04,390 --> 01:01:02,079
all out

1479
01:01:06,549 --> 01:01:04,400
that's the output basically

1480
01:01:08,870 --> 01:01:06,559
yes okay that's where the wastegate

1481
01:01:11,750 --> 01:01:08,880
valve would be the valve that makes the

1482
01:01:12,710 --> 01:01:11,760
water hammer the water shock

1483
01:01:14,309 --> 01:01:12,720
okay now

1484
01:01:15,430 --> 01:01:14,319
we're going to need to go back into the

1485
01:01:17,750 --> 01:01:15,440
like i know that there's probably

1486
01:01:19,190 --> 01:01:17,760
diagrams within there

1487
01:01:22,069 --> 01:01:19,200
later on okay so we'll be able to

1488
01:01:26,069 --> 01:01:22,079

explain the that uh that that concept

1489
01:01:28,150 --> 01:01:26,079
later on so this is slider 12

1490
01:01:29,190 --> 01:01:28,160
slide 12.

1491
01:01:31,109 --> 01:01:29,200
okay now

1492
01:01:34,549 --> 01:01:31,119
below the

1493
01:01:36,309 --> 01:01:34,559
the uh causeway of the middle pyramid

1494
01:01:38,950 --> 01:01:36,319
there's a water shaft that shows exactly

1495
01:01:43,430 --> 01:01:38,960
where it is

1496
01:01:46,230 --> 01:01:43,440
and there's a multi-room three-level

1497
01:01:48,870 --> 01:01:46,240
structure that is flooded

1498
01:01:52,789 --> 01:01:48,880
uh most of the time just from the

1499
01:01:52,799 --> 01:01:55,510
plateau

1500
01:02:00,470 --> 01:01:58,789
but the significance is that there it is

1501
01:02:02,390 --> 01:02:00,480
underneath all that

1502
01:02:03,670 --> 01:02:02,400
when you go down there's a structure

1503
01:02:07,030 --> 01:02:03,680
there starts to be tunnels and

1504
01:02:10,710 --> 01:02:07,040
structures at 100 feet below

1505
01:02:13,510 --> 01:02:10,720
that spot and that's also exactly where

1506
01:02:16,710 --> 01:02:13,520
the output shaft of the

1507
01:02:18,630 --> 01:02:16,720
sub-draining chamber is so it

1508
01:02:21,430 --> 01:02:18,640
there's no way you can connect things

1509
01:02:23,349 --> 01:02:21,440
other than you know possibilities you've

1510
01:02:24,870 --> 01:02:23,359
got to go with some clues you have to

1511
01:02:27,670 --> 01:02:24,880
stretch a little bit but that's not a

1512
01:02:27,680 --> 01:02:31,030
you got to start an end point

1513
01:02:36,309 --> 01:02:33,109

okay go to the next one

1514
01:02:39,349 --> 01:02:37,750
yeah that was just a zoom and it

1515
01:02:41,190 --> 01:02:39,359
actually if you zoom in then you can

1516
01:02:43,670 --> 01:02:41,200
actually see that it says

1517
01:02:46,230 --> 01:02:43,680
mean level of mediterranean sea

1518
01:02:50,150 --> 01:02:46,240
and that arrow points right to this uh

1519
01:02:54,150 --> 01:02:51,510
start to get

1520
01:02:56,710 --> 01:02:54,160
elevations and topographicals

1521
01:02:59,030 --> 01:02:56,720
i had to really replicate giza plateau

1522
01:03:01,109 --> 01:02:59,040
on as far as the drops

1523
01:03:03,510 --> 01:03:01,119
to get the correct hair pressures okay

1524
01:03:05,829 --> 01:03:03,520
now if if the subterranean chamber is

1525
01:03:07,750 --> 01:03:05,839
supposed to be a

1526
01:03:09,510 --> 01:03:07,760
and again it

1527
01:03:13,829 --> 01:03:09,520
is upturning chambers supposed to be a

1528
01:03:15,750 --> 01:03:13,839
vortex pump essentially now there's no

1529
01:03:18,470 --> 01:03:15,760
vortex is secondary okay the vortex is

1530
01:03:20,390 --> 01:03:18,480
secondary is is it the resource

1531
01:03:21,670 --> 01:03:20,400
being cool now is the is it is that

1532
01:03:24,150 --> 01:03:21,680
subterranean chamber that one of the

1533
01:03:26,069 --> 01:03:24,160
sources of water

1534
01:03:29,670 --> 01:03:26,079
or is it just there just to be able to

1535
01:03:32,309 --> 01:03:29,680
drive drive the the the pump itself

1536
01:03:35,029 --> 01:03:32,319
the scenario drives the pyramid okay

1537
01:03:36,870 --> 01:03:35,039
okay that now the secondary thing is i'm

1538
01:03:38,230 --> 01:03:36,880

assuming because this is a very old

1539
01:03:39,109 --> 01:03:38,240
drawing that

1540
01:03:40,710 --> 01:03:39,119
um

1541
01:03:44,710 --> 01:03:40,720
the

1542
01:03:45,910 --> 01:03:44,720
is kind of it's a guess like it can't be

1543
01:03:47,990 --> 01:03:45,920
that deep

1544
01:03:48,950 --> 01:03:48,000
below the edge or is is that fairly

1545
01:03:54,069 --> 01:03:48,960
accurate

1546
01:03:56,870 --> 01:03:55,670
this one i love doing these tips they

1547
01:03:57,990 --> 01:03:56,880
did great

1548
01:03:59,190 --> 01:03:58,000
well this is what i love doing these

1549
01:04:01,910 --> 01:03:59,200
types of shows because i can ask these

1550
01:04:04,309 --> 01:04:01,920
types of questions so this is and this

1551
01:04:07,430 --> 01:04:04,319
was for from richard newton's five five

1552
01:04:09,750 --> 01:04:07,440
two thousand the book has a resource you

1553
01:04:12,710 --> 01:04:09,760
have to really look close on the

1554
01:04:15,589 --> 01:04:12,720
pictures this looks like petri

1555
01:04:16,630 --> 01:04:15,599
yes but yeah you had to find a resource

1556
01:04:19,270 --> 01:04:16,640
before

1557
01:04:20,390 --> 01:04:19,280
doing all the internet searches

1558
01:04:23,270 --> 01:04:20,400
sure

1559
01:04:25,829 --> 01:04:23,280
okay and next slide

1560
01:04:27,349 --> 01:04:25,839
next one all right this is slide 15 or

1561
01:04:29,270 --> 01:04:27,359
14 actually

1562
01:04:36,069 --> 01:04:29,280
oh sorry that's

1563
01:04:42,789 --> 01:04:38,789

and that that shows

1564
01:04:44,630 --> 01:04:42,799
the axis is extrapolated and

1565
01:04:45,750 --> 01:04:44,640
because the pyramid was an eight-sided

1566
01:04:48,789 --> 01:04:45,760
building

1567
01:04:52,069 --> 01:04:48,799
um so i had to do the axis to get the

1568
01:04:55,109 --> 01:04:52,079
exact location of the

1569
01:04:56,230 --> 01:04:55,119
subterranean chambers pit okay

1570
01:04:58,549 --> 01:04:56,240
i'm trying to find a way to be able to

1571
01:05:00,069 --> 01:04:58,559
rotate this very quickly but mac preview

1572
01:05:03,430 --> 01:05:00,079
is not exactly the greatest thing on the

1573
01:05:06,309 --> 01:05:03,440
planet so give me a second here uh

1574
01:05:10,549 --> 01:05:06,319
oh okay there we go

1575
01:05:14,549 --> 01:05:13,349
short keys got a lot okay

1576
01:05:16,309 --> 01:05:14,559
for all of those who don't want to turn

1577
01:05:17,910 --> 01:05:16,319
their head sideways

1578
01:05:20,470 --> 01:05:17,920
and yeah so that just

1579
01:05:21,349 --> 01:05:20,480
is where i threw the axis in to get you

1580
01:05:24,470 --> 01:05:21,359
know

1581
01:05:26,630 --> 01:05:24,480
get really accurate locations

1582
01:05:28,789 --> 01:05:26,640
instead of fudging things okay now the

1583
01:05:31,270 --> 01:05:28,799
these points the water shaft entrance

1584
01:05:33,029 --> 01:05:31,280
tunnel uh like that's um

1585
01:05:34,710 --> 01:05:33,039
i'm gonna probably estimate that is

1586
01:05:37,029 --> 01:05:34,720
about four or five hundred feet behind

1587
01:05:39,190 --> 01:05:37,039
the sphinx yes

1588
01:05:41,349 --> 01:05:39,200

that like though that's basically to the

1589
01:05:42,230 --> 01:05:41,359
the axis tunnel which leads from

1590
01:05:45,910 --> 01:05:42,240
uh

1591
01:05:47,190 --> 01:05:45,920
way

1592
01:05:50,789 --> 01:05:47,200
in this direction here if you could

1593
01:05:52,870 --> 01:05:50,799
follow my my uh cursor i'm guessing to

1594
01:05:55,910 --> 01:05:52,880
its own uh exit point which is still

1595
01:05:57,910 --> 01:05:55,920
within that same general area of uh you

1596
01:05:59,109 --> 01:05:57,920
know of of

1597
01:06:03,190 --> 01:05:59,119
the water dump from what i can

1598
01:06:07,190 --> 01:06:04,710
that that'd be close

1599
01:06:08,710 --> 01:06:07,200
anybody's guess on a lot of it

1600
01:06:10,950 --> 01:06:08,720
it's hard to get the evidence because

1601
01:06:13,109 --> 01:06:10,960
they covered up a lot of the evidence

1602
01:06:14,710 --> 01:06:13,119
which is a pain you asked

1603
01:06:15,829 --> 01:06:14,720
all right

1604
01:06:20,150 --> 01:06:15,839
just let me just make sure i've got

1605
01:06:23,670 --> 01:06:22,470
maybe they are my friends i visit you're

1606
01:06:24,870 --> 01:06:23,680
my friends

1607
01:06:27,109 --> 01:06:24,880
well you're on the show you're our

1608
01:06:28,230 --> 01:06:27,119
friend

1609
01:06:29,670 --> 01:06:28,240
zombie

1610
01:06:31,349 --> 01:06:29,680
i love you

1611
01:06:33,430 --> 01:06:31,359
i i've never met the man but i just know

1612
01:06:36,870 --> 01:06:33,440
he hates radar and i'm a fan of raider i

1613
01:06:41,430 --> 01:06:38,549

right

1614
01:06:44,710 --> 01:06:41,440
okay i'm not going to thrash

1615
01:06:47,750 --> 01:06:44,720
okay slide 15.

1616
01:06:49,510 --> 01:06:47,760
okay now this is a really crappy graphic

1617
01:06:52,230 --> 01:06:49,520
but it does show what the

1618
01:06:53,829 --> 01:06:52,240
what the uh room structure is underneath

1619
01:06:56,309 --> 01:06:53,839
the

1620
01:06:57,589 --> 01:06:56,319
under that central

1621
01:06:59,910 --> 01:06:57,599
uh

1622
01:07:04,069 --> 01:06:59,920
causeway so there's three levels of

1623
01:07:05,829 --> 01:07:04,079
rooms there's the bottom one has

1624
01:07:07,430 --> 01:07:05,839
oh it has uh

1625
01:07:09,510 --> 01:07:07,440
i think it has one of the granite boxes

1626
01:07:13,029 --> 01:07:09,520
and some pillars that are have been

1627
01:07:15,589 --> 01:07:13,039
eroded and then it also has

1628
01:07:17,109 --> 01:07:15,599
you can see they threw

1629
01:07:19,990 --> 01:07:17,119
water shafts in

1630
01:07:20,870 --> 01:07:20,000
okay and then later on they deleted them

1631
01:07:22,390 --> 01:07:20,880
so

1632
01:07:23,670 --> 01:07:22,400
i'm assuming

1633
01:07:25,829 --> 01:07:23,680
there's probably a water shaft somewhere

1634
01:07:27,270 --> 01:07:25,839
in here no i'll i'll make my graphic my

1635
01:07:30,069 --> 01:07:27,280
graphic designer's interpretation

1636
01:07:31,190 --> 01:07:30,079
because i i speak pixelated uh so the

1637
01:07:32,789 --> 01:07:31,200
the blue

1638
01:07:34,470 --> 01:07:32,799

blur of whatever the hell that is the

1639
01:07:36,870 --> 01:07:34,480
top right hand corner that that's the

1640
01:07:38,630 --> 01:07:36,880
causeway and then you've got

1641
01:07:40,710 --> 01:07:38,640
an exit and then it drops down a little

1642
01:07:43,109 --> 01:07:40,720
bit and you've got this one

1643
01:07:44,549 --> 01:07:43,119
um you know little blob of whatever it

1644
01:07:46,630 --> 01:07:44,559
is that that's one room and then it

1645
01:07:48,309 --> 01:07:46,640
drops down again to the to the right and

1646
01:07:50,710 --> 01:07:48,319
that's another blob which is another

1647
01:07:53,510 --> 01:07:50,720
room and those though the blobs of

1648
01:07:55,029 --> 01:07:53,520
pixelated stuff are actually uh

1649
01:07:57,510 --> 01:07:55,039
there's some other

1650
01:07:59,589 --> 01:07:57,520
not sure i think they're granite so it's

1651
01:08:01,270 --> 01:07:59,599
grounded boxes

1652
01:08:03,109 --> 01:08:01,280
yeah there's a few

1653
01:08:04,789 --> 01:08:03,119
okay so are you ourselves

1654
01:08:07,829 --> 01:08:04,799
underground are you seeing that that

1655
01:08:11,109 --> 01:08:07,839
that uh cavern of those 20 like 25 giant

1656
01:08:13,270 --> 01:08:11,119
granite boxes that's connected to that

1657
01:08:14,950 --> 01:08:13,280
yes holy [\h__\h]

1658
01:08:17,430 --> 01:08:14,960
that's that's mind-blowing

1659
01:08:18,950 --> 01:08:17,440
um now what's uh now that that one that

1660
01:08:21,990 --> 01:08:18,960
bottom blob if i'm not mistaken there

1661
01:08:25,269 --> 01:08:22,000
was a like in the 90s there was this one

1662
01:08:26,149 --> 01:08:25,279
um like uh cavern of the sphinx

1663
01:08:29,110 --> 01:08:26,159

uh

1664
01:08:30,550 --> 01:08:29,120
show that zah he had like gotten fox and

1665
01:08:32,709 --> 01:08:30,560
involved in and they they went down

1666
01:08:35,590 --> 01:08:32,719
behind or like below these sphinx and

1667
01:08:37,910 --> 01:08:35,600
like we found the the the chamber of

1668
01:08:39,590 --> 01:08:37,920
like it was osiris on anubis and it was

1669
01:08:42,789 --> 01:08:39,600
like this coffin underground and they

1670
01:08:49,269 --> 01:08:46,470
holy [\h__\h] okay so all four

1671
01:08:51,749 --> 01:08:49,279
100 feet below the bedrock too or

1672
01:08:54,309 --> 01:08:51,759
it's the same elevation as the output of

1673
01:08:55,590 --> 01:08:54,319
the ditch dead-end shafts and you've got

1674
01:08:58,390 --> 01:08:55,600
shafts

1675
01:09:00,630 --> 01:08:58,400
it's very strongly implied that connect

1676
01:09:03,189 --> 01:09:00,640
to that

1677
01:09:04,630 --> 01:09:03,199
bottom brim

1678
01:09:07,349 --> 01:09:04,640
sometimes they leak stuff out

1679
01:09:09,110 --> 01:09:07,359
accidentally

1680
01:09:10,789 --> 01:09:09,120
i do i don't include it as being

1681
01:09:13,189 --> 01:09:10,799
required so

1682
01:09:16,070 --> 01:09:13,199
okay somebody else can find that out

1683
01:09:18,870 --> 01:09:16,080
next slide this is slide 16

1684
01:09:21,829 --> 01:09:18,880
oh i know this image

1685
01:09:23,189 --> 01:09:21,839
is it's just a wonderful really high res

1686
01:09:24,229 --> 01:09:23,199
one

1687
01:09:26,950 --> 01:09:24,239
and

1688
01:09:29,829 --> 01:09:26,960

on this one this is really high res you

1689
01:09:32,870 --> 01:09:29,839
can actually zoom in and see little

1690
01:09:34,950 --> 01:09:32,880
little notations at various spots that

1691
01:09:36,229 --> 01:09:34,960
you won't spot anywhere else that i've

1692
01:09:40,630 --> 01:09:36,239
ever seen

1693
01:09:40,640 --> 01:09:44,390
it talks about uh

1694
01:09:48,870 --> 01:09:46,630
indentations and like

1695
01:09:50,390 --> 01:09:48,880
so and now this one's very interesting

1696
01:09:53,269 --> 01:09:50,400
when zoomed in

1697
01:09:55,030 --> 01:09:53,279
that was good but the next one's really

1698
01:10:00,870 --> 01:09:55,040
really awesome in that

1699
01:10:07,510 --> 01:10:03,830
and i i put arrows to where where the

1700
01:10:10,070 --> 01:10:07,520
notations were and what they wrote

1701
01:10:12,310 --> 01:10:10,080
okay it's in various fall writing and

1702
01:10:14,229 --> 01:10:12,320
this was also in that book five five two

1703
01:10:16,950 --> 01:10:14,239
thousand but it's from the edgar

1704
01:10:18,709 --> 01:10:16,960
brothers from 1929

1705
01:10:20,229 --> 01:10:18,719
and what they

1706
01:10:22,070 --> 01:10:20,239
had discovered

1707
01:10:24,630 --> 01:10:22,080
i have to find my pictures actually to

1708
01:10:27,750 --> 01:10:24,640
read it okay this is actually slide 17

1709
01:10:30,470 --> 01:10:27,760
it's it's the uh pereira's excavation 36

1710
01:10:32,790 --> 01:10:30,480
feet deep location of small recess

1711
01:10:37,990 --> 01:10:32,800
uh drawings by edgar brothers circa in

1712
01:10:41,830 --> 01:10:40,630
yes so it's the cross section of the top

1713
01:10:49,830 --> 01:10:41,840

down

1714
01:10:53,990 --> 01:10:51,910
chamber and then the small recess is the

1715
01:10:56,310 --> 01:10:54,000
little one that is directly to

1716
01:10:57,750 --> 01:10:56,320
right there next to it okay so the small

1717
01:10:59,189 --> 01:10:57,760
recess is this one right here on the

1718
01:11:00,630 --> 01:10:59,199
right hand side i go over to the left

1719
01:11:02,229 --> 01:11:00,640
there chris this is the small region

1720
01:11:03,669 --> 01:11:02,239
yeah they're right there okay you can

1721
01:11:05,750 --> 01:11:03,679
actually see it in the upper part from

1722
01:11:07,830 --> 01:11:05,760
the side view you can see it

1723
01:11:09,110 --> 01:11:07,840
um let me see here that that passageway

1724
01:11:10,870 --> 01:11:09,120
is going to the north so we're in the

1725
01:11:12,470 --> 01:11:10,880
east looking west and you can see that

1726
01:11:14,790 --> 01:11:12,480
it's kind of this

1727
01:11:16,630 --> 01:11:14,800
little outer hole okay

1728
01:11:18,390 --> 01:11:16,640
well what what's the signature before

1729
01:11:21,189 --> 01:11:18,400
all the action starts in the sub chamber

1730
01:11:22,470 --> 01:11:21,199
and what does it small recess do

1731
01:11:25,110 --> 01:11:22,480
well i was just pointing out it says

1732
01:11:26,630 --> 01:11:25,120
location is small recess

1733
01:11:28,870 --> 01:11:26,640
i think that's the small recess that

1734
01:11:30,229 --> 01:11:28,880
he's talking about and not the red arrow

1735
01:11:31,910 --> 01:11:30,239
which is another important part that

1736
01:11:33,590 --> 01:11:31,920
john's going to talk about yeah the

1737
01:11:35,110 --> 01:11:33,600
location of that small recess is

1738
01:11:37,590 --> 01:11:35,120

different but then

1739
01:11:38,790 --> 01:11:37,600
what you see in that upper upper half of

1740
01:11:40,790 --> 01:11:38,800
the picture

1741
01:11:42,709 --> 01:11:40,800
down into the pit

1742
01:11:46,229 --> 01:11:42,719
they actually wrote that they dug it

1743
01:11:48,229 --> 01:11:46,239
down 37 feet further

1744
01:11:49,910 --> 01:11:48,239
who dug it down which i'm assuming is

1745
01:11:51,590 --> 01:11:49,920
that this where my cursor is right now

1746
01:11:53,830 --> 01:11:51,600
that's in the top right hand corner

1747
01:11:55,750 --> 01:11:53,840
which corresponds to this little like

1748
01:11:58,390 --> 01:11:55,760
dinky looking thing coming on the bottom

1749
01:12:00,550 --> 01:11:58,400
right hand corner

1750
01:12:02,630 --> 01:12:00,560
um it's straight down straight down from

1751
01:12:05,270 --> 01:12:02,640
the sub training chamber okay and this

1752
01:12:06,830 --> 01:12:05,280
is very small writing

1753
01:12:09,030 --> 01:12:06,840
very small writing yeah well

1754
01:12:12,149 --> 01:12:09,040
that's um yes

1755
01:12:12,950 --> 01:12:12,159
okay and it says

1756
01:12:16,550 --> 01:12:12,960
it

1757
01:12:18,310 --> 01:12:16,560
though the framers left carrying

1758
01:12:19,910 --> 01:12:18,320
multiplication okay well top left here

1759
01:12:22,709 --> 01:12:19,920
like i'm seeing that this is a this is

1760
01:12:23,830 --> 01:12:22,719
like this type of drawing is meant to be

1761
01:12:25,350 --> 01:12:23,840
one to one so it's different

1762
01:12:27,830 --> 01:12:25,360
perspectives but essentially they both

1763
01:12:29,830 --> 01:12:27,840

line up so whatever's here is

1764
01:12:32,310 --> 01:12:29,840
essentially right here whatever is here

1765
01:12:33,590 --> 01:12:32,320
is essentially right here now i do have

1766
01:12:35,510 --> 01:12:33,600
to i do want to point out to all the

1767
01:12:37,590 --> 01:12:35,520
listeners and viewers at home that be

1768
01:12:39,590 --> 01:12:37,600
thankful we actually did 1080p on this

1769
01:12:41,110 --> 01:12:39,600
not 720p so you'll actually get a better

1770
01:12:43,189 --> 01:12:41,120
view you'll see what i'm actually seeing

1771
01:12:45,590 --> 01:12:43,199
right here in the same resolution even

1772
01:12:48,630 --> 01:12:45,600
if we go to webcam and the frame rate is

1773
01:12:50,790 --> 01:12:48,640
[\h__\h] so um again thank you for your

1774
01:12:51,990 --> 01:12:50,800
patience and you're welcome i guess

1775
01:12:52,870 --> 01:12:52,000
we'll go from there

1776
01:12:57,590 --> 01:12:52,880
thank you

1777
01:12:59,669 --> 01:12:57,600
everybody doing good stuff it's

1778
01:13:02,390 --> 01:12:59,679
mistakes can sometimes be good

1779
01:13:04,630 --> 01:13:02,400
um now okay this is slide 17 so let's go

1780
01:13:06,310 --> 01:13:04,640
to slide 18.

1781
01:13:09,830 --> 01:13:06,320
oh that's even better

1782
01:13:14,470 --> 01:13:11,910
let me just uh

1783
01:13:16,070 --> 01:13:14,480
okay okay now that's where the book

1784
01:13:19,510 --> 01:13:16,080
that's a

1785
01:13:21,990 --> 01:13:19,520
scan of the edgar brothers book itself

1786
01:13:22,870 --> 01:13:22,000
when he sent it to me from new mexico

1787
01:13:24,390 --> 01:13:22,880
area

1788
01:13:29,430 --> 01:13:24,400

and so you can actually see the

1789
01:13:31,590 --> 01:13:30,550
viewpoints

1790
01:13:33,910 --> 01:13:31,600
orientation

1791
01:13:34,870 --> 01:13:33,920
i used i used this one for a lot of the

1792
01:13:37,750 --> 01:13:34,880
model

1793
01:13:39,510 --> 01:13:37,760
other than the thin sections wrong

1794
01:13:41,910 --> 01:13:39,520
because it had when they were in there

1795
01:13:42,870 --> 01:13:41,920
the edgar brothers were in there those

1796
01:13:45,189 --> 01:13:42,880
fins

1797
01:13:46,950 --> 01:13:45,199
were full of rubble that they had dug

1798
01:13:48,149 --> 01:13:46,960
out of the pit itself

1799
01:13:49,110 --> 01:13:48,159
because people

1800
01:13:52,550 --> 01:13:49,120
rolled

1801
01:13:54,709 --> 01:13:52,560
rocks down that long descending passage

1802
01:14:00,310 --> 01:13:54,719
you know fun time

1803
01:14:06,390 --> 01:14:02,550
okay and this is this was slide 19 so

1804
01:14:10,630 --> 01:14:07,990
okay that's

1805
01:14:12,390 --> 01:14:10,640
it just those alignments

1806
01:14:13,590 --> 01:14:12,400
of the subtrain chamber at the very

1807
01:14:14,790 --> 01:14:13,600
bottom

1808
01:14:17,270 --> 01:14:14,800
with uh

1809
01:14:19,990 --> 01:14:17,280
with the king's chamber that which is a

1810
01:14:21,830 --> 01:14:20,000
rose quartz granite freestanding

1811
01:14:24,149 --> 01:14:21,840
resonating chamber

1812
01:14:25,350 --> 01:14:24,159
most likely tuned okay now here's a good

1813
01:14:27,189 --> 01:14:25,360

question for you i know we're probably

1814
01:14:29,110 --> 01:14:27,199
going to be jumping ahead a couple of uh

1815
01:14:30,790 --> 01:14:29,120
stages here and i know that alex is

1816
01:14:32,310 --> 01:14:30,800
manning the youtube chat so i do

1817
01:14:34,070 --> 01:14:32,320
apologize for all the listeners at home

1818
01:14:37,270 --> 01:14:34,080
if you're trying to get a hold of me i

1819
01:14:39,430 --> 01:14:37,280
am i'm i'm i am manning the uh

1820
01:14:42,310 --> 01:14:39,440
i'm manning the three monitors ahead of

1821
01:14:44,070 --> 01:14:42,320
me now i notice one very important thing

1822
01:14:46,870 --> 01:14:44,080
again i used to sell home theater

1823
01:14:48,550 --> 01:14:46,880
systems i know speakers

1824
01:14:50,950 --> 01:14:48,560
you know

1825
01:14:51,830 --> 01:14:50,960
speakers were my life for a very long

1826
01:14:53,270 --> 01:14:51,840
time

1827
01:14:54,950 --> 01:14:53,280
all right and

1828
01:14:56,790 --> 01:14:54,960
i've got a very nice sound system oh my

1829
01:14:58,790 --> 01:14:56,800
goodness my my web

1830
01:15:00,550 --> 01:14:58,800
you know we're we're um

1831
01:15:03,110 --> 01:15:00,560
looking at space in the house

1832
01:15:05,270 --> 01:15:03,120
my wife wants me to downsize our home

1833
01:15:06,550 --> 01:15:05,280
theater system like no [\h__\h] that

1834
01:15:08,470 --> 01:15:06,560
um

1835
01:15:10,070 --> 01:15:08,480
because i shoot

1836
01:15:12,709 --> 01:15:10,080
exactly speakers aren't equivalent to

1837
01:15:14,390 --> 01:15:12,719
shoes exactly so uh my whole

1838
01:15:15,750 --> 01:15:14,400

understanding of speakers is that they

1839
01:15:17,350 --> 01:15:15,760
have to be properly aligned they have to

1840
01:15:19,590 --> 01:15:17,360
be properly balanced or else they're

1841
01:15:21,990 --> 01:15:19,600
going to shake themselves apart

1842
01:15:23,669 --> 01:15:22,000
the pyramid especially the gray pyramid

1843
01:15:25,830 --> 01:15:23,679
the king's chamber

1844
01:15:27,110 --> 01:15:25,840
is not centered

1845
01:15:29,030 --> 01:15:27,120
in the

1846
01:15:30,950 --> 01:15:29,040
overall structure

1847
01:15:33,430 --> 01:15:30,960
right if it is going to be sending shock

1848
01:15:34,950 --> 01:15:33,440
waves upwards or amplifying those shock

1849
01:15:35,830 --> 01:15:34,960
waves are coming from the subterranean

1850
01:15:37,990 --> 01:15:35,840
chamber

1851
01:15:39,990 --> 01:15:38,000
the way that the entire pyramid is

1852
01:15:41,669 --> 01:15:40,000
designed it would shake itself apart the

1853
01:15:44,630 --> 01:15:41,679
way that it is actually designed as a

1854
01:15:46,229 --> 01:15:44,640
subwoofer it is not viable for long

1855
01:15:47,910 --> 01:15:46,239
periods of time because it's just it's

1856
01:15:50,470 --> 01:15:47,920
just not in the center if i take a

1857
01:15:51,910 --> 01:15:50,480
subwoofer and i take the cone

1858
01:15:54,470 --> 01:15:51,920
or like the center of the cone and i

1859
01:15:55,990 --> 01:15:54,480
move it you know uh 30 degrees right and

1860
01:15:57,750 --> 01:15:56,000
third like uh

1861
01:15:59,990 --> 01:15:57,760
you know 30 points right 30 points to

1862
01:16:01,990 --> 01:16:00,000
the left so that it's off center it's

1863
01:16:03,270 --> 01:16:02,000

it's gonna whenever a bass hits it's

1864
01:16:04,310 --> 01:16:03,280
going to work for a bit but you're going

1865
01:16:05,669 --> 01:16:04,320
to have

1866
01:16:08,390 --> 01:16:05,679
disproportionate sound you're going to

1867
01:16:10,550 --> 01:16:08,400
have a disproportionate resonance and

1868
01:16:13,510 --> 01:16:10,560
it's going to shake itself the the

1869
01:16:15,830 --> 01:16:13,520
actual cone will shake itself apart

1870
01:16:17,110 --> 01:16:15,840
so how the hell

1871
01:16:20,070 --> 01:16:17,120
is

1872
01:16:22,310 --> 01:16:20,080
engineering how the hell did they

1873
01:16:23,750 --> 01:16:22,320
account for that and what is

1874
01:16:25,110 --> 01:16:23,760
uh like

1875
01:16:26,630 --> 01:16:25,120
what's the purpose of it if that's the

1876
01:16:28,550 --> 01:16:26,640
case

1877
01:16:31,110 --> 01:16:28,560
like basically think of a speaker that's

1878
01:16:34,709 --> 01:16:31,120
very valid question i've never heard

1879
01:16:38,550 --> 01:16:34,719
that from anybody um when i had chris

1880
01:16:41,030 --> 01:16:38,560
dunn visited in 2005 i also had uh

1881
01:16:42,390 --> 01:16:41,040
dr jack collette here

1882
01:16:44,310 --> 01:16:42,400
uh who

1883
01:16:46,709 --> 01:16:44,320
actually makes hydraulic pulse

1884
01:16:48,950 --> 01:16:46,719
generators for

1885
01:16:51,030 --> 01:16:48,960
he designed them he invented them for

1886
01:16:53,590 --> 01:16:51,040
offshore oil drilling rigs

1887
01:16:56,229 --> 01:16:53,600
and he said it was a pulse generator

1888
01:17:00,229 --> 01:16:56,239

it was impressed and the one thing

1889
01:17:02,630 --> 01:17:00,239
one question he threw to me was also

1890
01:17:05,030 --> 01:17:02,640
can you imagine how loud it would have

1891
01:17:06,310 --> 01:17:05,040
been within the king's chamber and they

1892
01:17:10,550 --> 01:17:06,320
started talking about

1893
01:17:12,070 --> 01:17:10,560
reflections off the outer surfaces and

1894
01:17:13,590 --> 01:17:12,080
this is somebody that actually knows all

1895
01:17:15,350 --> 01:17:13,600
this stuff yeah

1896
01:17:17,990 --> 01:17:15,360
and i just knew it would be just

1897
01:17:20,470 --> 01:17:18,000
incredibly loud and

1898
01:17:22,870 --> 01:17:20,480
i'm the sub chamber guy i'm not the

1899
01:17:25,350 --> 01:17:22,880
upper part so that's

1900
01:17:26,950 --> 01:17:25,360
kind of what i built

1901
01:17:30,550 --> 01:17:26,960
it would be loud your question's

1902
01:17:32,149 --> 01:17:30,560
excellent no no for coley he's um

1903
01:17:33,590 --> 01:17:32,159
can you refresh me who could because the

1904
01:17:36,950 --> 01:17:33,600
name is familiar i'm trying to think he

1905
01:17:39,270 --> 01:17:36,960
might be the inner ramp uh pyramid guy

1906
01:17:41,910 --> 01:17:39,280
so i could be wrong doctor

1907
01:17:45,669 --> 01:17:41,920
yeah he does he doesn't like pyramids oh

1908
01:17:48,870 --> 01:17:45,679
okay so he actually invents invented

1909
01:17:50,149 --> 01:17:48,880
uh industrial hydraulic pulse generation

1910
01:17:53,110 --> 01:17:50,159
generate

1911
01:17:54,550 --> 01:17:53,120
patients let's see this is a problem

1912
01:17:55,669 --> 01:17:54,560
this is a problem running a show when

1913
01:17:57,270 --> 01:17:55,679

you've got this many names that are

1914
01:17:59,590 --> 01:17:57,280
being thrown at you on a constant basis

1915
01:18:01,990 --> 01:17:59,600
and you know one one

1916
01:18:03,830 --> 01:18:02,000
as one croatian name sounds like another

1917
01:18:05,350 --> 01:18:03,840
when it comes to my family

1918
01:18:08,470 --> 01:18:05,360
one french team can sound like another

1919
01:18:09,990 --> 01:18:08,480
so i do apologize but still that is um

1920
01:18:11,750 --> 01:18:10,000
what the one thing i was going to say is

1921
01:18:13,350 --> 01:18:11,760
there is a slide

1922
01:18:16,630 --> 01:18:13,360
further on with

1923
01:18:19,669 --> 01:18:16,640
describing the pulses which shows

1924
01:18:22,790 --> 01:18:19,679
his design and his application and it's

1925
01:18:25,030 --> 01:18:22,800
absolutely parallel to what is at

1926
01:18:27,590 --> 01:18:25,040
giza it's

1927
01:18:31,030 --> 01:18:27,600
it's perfectly parallel okay or

1928
01:18:33,030 --> 01:18:31,040
analogous who was the hydraulic uh pulse

1929
01:18:34,470 --> 01:18:33,040
generator author

1930
01:18:35,430 --> 01:18:34,480
you just mentioned

1931
01:18:38,070 --> 01:18:35,440
jack

1932
01:18:39,110 --> 01:18:38,080
k-o-l-l-e

1933
01:18:42,709 --> 01:18:39,120
thank

1934
01:18:43,910 --> 01:18:42,719
designs

1935
01:18:45,910 --> 01:18:43,920
he's from

1936
01:18:48,310 --> 01:18:45,920
tempest tech down in uh

1937
01:18:50,630 --> 01:18:48,320
by seattle okay so

1938
01:18:53,110 --> 01:18:50,640

french french name from seattle

1939
01:18:56,310 --> 01:18:53,120
makes a little bit of sense

1940
01:18:57,510 --> 01:18:56,320
so let's go on to slide 21.

1941
01:19:05,510 --> 01:18:57,520
oh let's

1942
01:19:08,550 --> 01:19:06,550
um

1943
01:19:10,070 --> 01:19:08,560
uh picture that was the best pictures i

1944
01:19:13,030 --> 01:19:10,080
could find at the time

1945
01:19:14,790 --> 01:19:13,040
of the sub chamber and showing some fins

1946
01:19:18,790 --> 01:19:14,800
showing that was

1947
01:19:21,750 --> 01:19:18,800
uh the top one is from santa fe

1948
01:19:23,430 --> 01:19:21,760
uh graham hancock's wife she did that's

1949
01:19:25,030 --> 01:19:23,440
a great picture of the sub chamber of

1950
01:19:26,950 --> 01:19:25,040
the fans and

1951
01:19:28,149 --> 01:19:26,960
and showing the step and the channel

1952
01:19:29,669 --> 01:19:28,159
within the

1953
01:19:31,510 --> 01:19:29,679
that uh room

1954
01:19:34,310 --> 01:19:31,520
and you'd also see the chipping on the

1955
01:19:36,070 --> 01:19:34,320
roof of the pit

1956
01:19:38,070 --> 01:19:36,080
that of course didn't always have a rail

1957
01:19:40,070 --> 01:19:38,080
around it

1958
01:19:41,350 --> 01:19:40,080
okay just now now i'm gonna take a

1959
01:19:43,030 --> 01:19:41,360
question from youtube chat because i

1960
01:19:45,270 --> 01:19:43,040
realized i've got a phone with with it

1961
01:19:47,350 --> 01:19:45,280
with with the chat actually available on

1962
01:19:49,270 --> 01:19:47,360
it so again thank you for all of all all

1963
01:19:53,830 --> 01:19:49,280

of your patience uh here's a dumb

1964
01:19:57,030 --> 01:19:53,840
question and this is from from uh juan

1965
01:19:58,790 --> 01:19:57,040
pinizzi uh here

1966
01:20:01,750 --> 01:19:58,800
yeah and i think i think that right so

1967
01:20:03,669 --> 01:20:01,760
so juan juan asks if the pyramids were

1968
01:20:06,790 --> 01:20:03,679
built in a time when the area was lush

1969
01:20:09,590 --> 01:20:06,800
and green why then the niles adoration

1970
01:20:18,470 --> 01:20:09,600
it wouldn't create today's type of oasis

1971
01:20:34,310 --> 01:20:19,189
i

1972
01:20:36,709 --> 01:20:34,320
and uh to uh uh dk lean d

1973
01:20:37,830 --> 01:20:36,719
i'm just gonna call you dk uh he said

1974
01:20:39,430 --> 01:20:37,840
that your heart is not in the center

1975
01:20:40,229 --> 01:20:39,440
it's a system it's a resonance system

1976
01:20:42,229 --> 01:20:40,239
okay

1977
01:20:44,310 --> 01:20:42,239
um and again i can understand where

1978
01:20:46,149 --> 01:20:44,320
you're coming from my whole thing is if

1979
01:20:47,030 --> 01:20:46,159
the idea is that it's giant subwoofer

1980
01:20:47,830 --> 01:20:47,040
that

1981
01:20:50,070 --> 01:20:47,840
well

1982
01:20:51,750 --> 01:20:50,080
if it's being used as a speaker then you

1983
01:20:52,870 --> 01:20:51,760
need to have everything aligned in the

1984
01:20:55,030 --> 01:20:52,880
center or it's going to shake itself

1985
01:20:56,470 --> 01:20:55,040
apart that's basic sound that's basic

1986
01:20:58,070 --> 01:20:56,480
acoustics

1987
01:21:00,229 --> 01:20:58,080
i'm just going to say that's absolutely

1988
01:21:02,310 --> 01:21:00,239

it's excellent nobody's ever said that

1989
01:21:04,149 --> 01:21:02,320
so well this is what we call the den of

1990
01:21:05,110 --> 01:21:04,159
lore we bring together different you

1991
01:21:06,870 --> 01:21:05,120
know

1992
01:21:08,390 --> 01:21:06,880
disproportionate ideas to try and find

1993
01:21:10,709 --> 01:21:08,400
the truth as it were and if you could

1994
01:21:13,750 --> 01:21:10,719
hit me absolutely

1995
01:21:16,149 --> 01:21:13,760
okay so this is a slide 21

1996
01:21:17,270 --> 01:21:16,159
and we are looking at a uh while that

1997
01:21:20,790 --> 01:21:17,280
was loud

1998
01:21:24,790 --> 01:21:23,189
uh so that we we have two images this is

1999
01:21:27,189 --> 01:21:24,800
of what part of the chamber this is not

2000
01:21:29,110 --> 01:21:27,199
in the pyramid this is probably

2001
01:21:32,870 --> 01:21:29,120
um i'm guessing in one of the

2002
01:21:34,950 --> 01:21:33,990
would say

2003
01:21:36,470 --> 01:21:34,960
is it

2004
01:21:37,990 --> 01:21:36,480
outside i

2005
01:21:40,310 --> 01:21:38,000
see

2006
01:21:43,830 --> 01:21:40,320
i'm missing it somewhere okay go go back

2007
01:21:45,350 --> 01:21:43,840
to your skype if you're missing it

2008
01:21:47,910 --> 01:21:45,360
i'm still seeing the subterranean

2009
01:21:49,910 --> 01:21:47,920
chamber it's probably i'm not seeing the

2010
01:21:52,149 --> 01:21:49,920
image you're talking oh that oh

2011
01:21:54,470 --> 01:21:52,159
i see your cursor on it okay yeah that's

2012
01:21:55,350 --> 01:21:54,480
the subchamber itself and that has spins

2013
01:21:57,830 --> 01:21:55,360

and

2014
01:22:00,709 --> 01:21:57,840
hydraulic fins okay it's not they're

2015
01:22:01,750 --> 01:22:00,719
purposeful okay so going on a slide

2016
01:22:05,350 --> 01:22:01,760
actually

2017
01:22:06,310 --> 01:22:05,360
there

2018
01:22:09,189 --> 01:22:06,320
uh

2019
01:22:10,629 --> 01:22:09,199
as close as possible

2020
01:22:12,149 --> 01:22:10,639
you see what the machine did and what

2021
01:22:13,350 --> 01:22:12,159
the flows were

2022
01:22:15,430 --> 01:22:13,360
because i

2023
01:22:17,750 --> 01:22:15,440
did whoever made us genius

2024
01:22:18,870 --> 01:22:17,760
so i just replicated genius and that's

2025
01:22:21,189 --> 01:22:18,880
actually on your facebook page if i'm

2026
01:22:23,510 --> 01:22:21,199
not mistaken i actually saw that picture

2027
01:22:26,790 --> 01:22:23,520
you're actually showing like a blue 3d

2028
01:22:29,430 --> 01:22:26,800
printed or or machined version of this

2029
01:22:31,590 --> 01:22:29,440
or at least one half of it anyway

2030
01:22:33,270 --> 01:22:31,600
possibly again it could be wrong

2031
01:22:34,629 --> 01:22:33,280
possibly

2032
01:22:37,350 --> 01:22:34,639
again i was doing some research before

2033
01:22:39,189 --> 01:22:37,360
the show so i'll bring that up once once

2034
01:22:42,950 --> 01:22:39,199
we get uh things done here so that was

2035
01:22:47,510 --> 01:22:42,960
slide 21 moving on to slide 22

2036
01:22:51,030 --> 01:22:49,510
you know you know the reason i actually

2037
01:22:52,709 --> 01:22:51,040
have that picture

2038
01:22:54,950 --> 01:22:52,719

is it's for scale

2039
01:22:57,430 --> 01:22:54,960
uh because it's a tall guy yeah he's

2040
01:22:59,990 --> 01:22:57,440
like six three or five or something so

2041
01:23:02,550 --> 01:23:00,000
you get to know how far it is from that

2042
01:23:04,310 --> 01:23:02,560
step to the ceiling and then the fin so

2043
01:23:05,350 --> 01:23:04,320
that's just for scale

2044
01:23:06,550 --> 01:23:05,360
um

2045
01:23:08,629 --> 01:23:06,560
thanks

2046
01:23:09,669 --> 01:23:08,639
shocked i mean just this stuff's really

2047
01:23:11,510 --> 01:23:09,679
good

2048
01:23:12,709 --> 01:23:11,520
but i needed somebody i knew their

2049
01:23:16,709 --> 01:23:12,719
height

2050
01:23:20,390 --> 01:23:18,870
thank you for this good shout out to a

2051
01:23:21,669 --> 01:23:20,400
doctor shock i know you're you're quite

2052
01:23:23,590 --> 01:23:21,679
busy and again thank you very much for

2053
01:23:25,350 --> 01:23:23,600
all your support and uh for getting back

2054
01:23:26,470 --> 01:23:25,360
to me i will write you back as soon as i

2055
01:23:29,189 --> 01:23:26,480
possibly can

2056
01:23:31,110 --> 01:23:29,199
so uh slide 23

2057
01:23:33,110 --> 01:23:31,120
that's i'm gonna keep going i'm just

2058
01:23:34,709 --> 01:23:33,120
gonna press the the the space button

2059
01:23:36,550 --> 01:23:34,719
because using the

2060
01:23:39,270 --> 01:23:36,560
uh

2061
01:23:41,830 --> 01:23:39,280
using the mouse is not working too well

2062
01:23:44,070 --> 01:23:41,840
okay and that's actually from edward

2063
01:23:47,189 --> 01:23:44,080

uncle's uh

2064
01:23:49,350 --> 01:23:47,199
the pharaoh's pump and see now

2065
01:23:51,270 --> 01:23:49,360
that's one of his graphics and so that's

2066
01:23:53,430 --> 01:23:51,280
how he

2067
01:23:55,189 --> 01:23:53,440
he thought the subterranean chamber

2068
01:23:57,270 --> 01:23:55,199
worked and so

2069
01:23:59,430 --> 01:23:57,280
i would have never even started on this

2070
01:24:01,270 --> 01:23:59,440
project without council's work

2071
01:24:03,030 --> 01:24:01,280
accomplished passed i think it was back

2072
01:24:04,709 --> 01:24:03,040
in 1988

2073
01:24:06,950 --> 01:24:04,719
i guess

2074
01:24:09,270 --> 01:24:06,960
and uh

2075
01:24:10,310 --> 01:24:09,280
so i had to start somewhere

2076
01:24:14,070 --> 01:24:10,320
that

2077
01:24:18,790 --> 01:24:16,629
he was wrong about a ton of stuff

2078
01:24:22,149 --> 01:24:18,800
and he never made it worse

2079
01:24:24,229 --> 01:24:22,159
i made it work because i had to

2080
01:24:25,669 --> 01:24:24,239
get irrigation and

2081
01:24:27,750 --> 01:24:25,679
okay

2082
01:24:30,709 --> 01:24:27,760
so when you spend six months on a

2083
01:24:32,950 --> 01:24:30,719
pyramid project and it doesn't work you

2084
01:24:34,470 --> 01:24:32,960
look like a giant fool to all your

2085
01:24:37,910 --> 01:24:34,480
friends and family

2086
01:24:39,669 --> 01:24:37,920
so you gotta make it work

2087
01:24:41,750 --> 01:24:39,679
that's the truth

2088
01:24:44,390 --> 01:24:41,760

yeah you had your own thanks for hanging

2089
01:24:45,830 --> 01:24:44,400
in there you had your your

2090
01:24:47,910 --> 01:24:45,840
trust me i think i had the exact same

2091
01:24:49,110 --> 01:24:47,920
thing starting up the show or like you

2092
01:24:50,870 --> 01:24:49,120
know the occasional friends like yeah

2093
01:24:52,310 --> 01:24:50,880
you're like you make it like five views

2094
01:24:53,669 --> 01:24:52,320
and that's it and it's like seven months

2095
01:24:55,750 --> 01:24:53,679
later like hey we're doing pretty good

2096
01:24:57,430 --> 01:24:55,760
and we're talking to john cabin i got

2097
01:24:59,990 --> 01:24:57,440
like you know this is this has been

2098
01:25:02,070 --> 01:25:00,000
awesome so you know the the idea is for

2099
01:25:03,750 --> 01:25:02,080
all you kids at home never give up never

2100
01:25:06,149 --> 01:25:03,760
surrender

2101
01:25:08,229 --> 01:25:06,159
and and the most one of the interesting

2102
01:25:11,350 --> 01:25:08,239
phenomena was actually that

2103
01:25:14,430 --> 01:25:11,360
i came up to the solution

2104
01:25:16,709 --> 01:25:14,440
on december 31st

2105
01:25:17,910 --> 01:25:16,719
1999 so it was the last hours of the

2106
01:25:20,629 --> 01:25:17,920
millennia

2107
01:25:22,950 --> 01:25:20,639
which is uh it was a surprise i mean i

2108
01:25:26,310 --> 01:25:22,960
just had an epiphany moment and

2109
01:25:27,430 --> 01:25:26,320
just sketched it down

2110
01:25:35,030 --> 01:25:27,440
go figure

2111
01:25:39,030 --> 01:25:37,110
okay now that's actually

2112
01:25:40,870 --> 01:25:39,040
the description that's such a clue

2113
01:25:44,070 --> 01:25:40,880

because nobody really says anything

2114
01:25:45,350 --> 01:25:44,080
about that spot and that's from 1929 and

2115
01:25:46,870 --> 01:25:45,360
it says

2116
01:25:49,189 --> 01:25:46,880
you know the northwest corner of the

2117
01:25:50,550 --> 01:25:49,199
rock sub chamber the great pyramid of

2118
01:25:52,950 --> 01:25:50,560
giza

2119
01:25:56,229 --> 01:25:52,960
showing the small recess in the west

2120
01:25:59,350 --> 01:25:56,239
wall and then also stanley looking over

2121
01:26:01,350 --> 01:25:59,360
the thin ridge of rock which

2122
01:26:03,270 --> 01:26:01,360
i'll balance the south side of the

2123
01:26:04,790 --> 01:26:03,280
narrow stall-like

2124
01:26:06,629 --> 01:26:04,800
cutting in the north corner of the

2125
01:26:09,669 --> 01:26:06,639
chamber so

2126
01:26:12,709 --> 01:26:09,679
that there is that that cutout at the

2127
01:26:14,870 --> 01:26:12,719
back of the sub training chamber

2128
01:26:16,870 --> 01:26:14,880
and you can see the fins and and so you

2129
01:26:19,830 --> 01:26:16,880
get scale of the fins

2130
01:26:22,950 --> 01:26:19,840
you get a spot that goes not only back

2131
01:26:25,189 --> 01:26:22,960
further than everything it goes up

2132
01:26:28,070 --> 01:26:25,199
and that's

2133
01:26:30,870 --> 01:26:28,080
pay attention to clues so that's a clue

2134
01:26:34,149 --> 01:26:30,880
that nobody talks about great clue

2135
01:26:39,110 --> 01:26:34,159
that's from uh 1929.

2136
01:26:44,550 --> 01:26:41,110
so this is the model i made

2137
01:26:46,550 --> 01:26:44,560
and there's that small recess

2138
01:26:47,590 --> 01:26:46,560

there's the fins and that's an old model

2139
01:26:50,950 --> 01:26:47,600
may of

2140
01:26:52,550 --> 01:26:50,960
2001. so you know it's a while back

2141
01:26:54,950 --> 01:26:52,560
and uh

2142
01:26:55,990 --> 01:26:54,960
you need the air removal line in that

2143
01:26:58,229 --> 01:26:56,000
room

2144
01:27:00,870 --> 01:26:58,239
it's designed to have zero error and

2145
01:27:02,870 --> 01:27:00,880
when that chamber fills

2146
01:27:05,669 --> 01:27:02,880
his air would naturally go to the top

2147
01:27:08,070 --> 01:27:05,679
and then it'd be stuck in there um

2148
01:27:09,110 --> 01:27:08,080
air circuit there's a circulation that

2149
01:27:09,990 --> 01:27:09,120
goes

2150
01:27:10,950 --> 01:27:10,000
all the

2151
01:27:13,189 --> 01:27:10,960
air

2152
01:27:15,189 --> 01:27:13,199
and water circulates to that back spot

2153
01:27:17,669 --> 01:27:15,199
so it naturally removes it

2154
01:27:20,390 --> 01:27:17,679
it's a very complex uh design okay and

2155
01:27:23,350 --> 01:27:20,400
uh the image of the uh man who seems to

2156
01:27:25,030 --> 01:27:23,360
be coaxing the sperm to bend over

2157
01:27:26,229 --> 01:27:25,040
oh yeah that's

2158
01:27:28,310 --> 01:27:26,239
okay

2159
01:27:31,990 --> 01:27:28,320
that's funny that's is the image is

2160
01:27:34,550 --> 01:27:32,000
called the water man okay and and hakeem

2161
01:27:36,709 --> 01:27:34,560
iowan pointed that out extensively to

2162
01:27:37,669 --> 01:27:36,719
stephen mayler saying that one that was

2163
01:27:42,470 --> 01:27:37,679

the

2164
01:27:45,030 --> 01:27:42,480
pyramids

2165
01:27:48,229 --> 01:27:45,040
so that's that was the image that i used

2166
01:27:52,070 --> 01:27:49,830
okay way back

2167
01:27:53,530 --> 01:27:52,080
that's 16 years old

2168
01:27:55,750 --> 01:27:53,540
oh [\h__\h] you're making me feel old

2169
01:28:00,310 --> 01:27:55,760
[Laughter]

2170
01:28:03,910 --> 01:28:01,990
it's running out that's that's when i

2171
01:28:05,350 --> 01:28:03,920
first learned how to dj

2172
01:28:06,950 --> 01:28:05,360
i was actually i was running uh uh

2173
01:28:08,629 --> 01:28:06,960
believe it or not and this this is this

2174
01:28:11,350 --> 01:28:08,639
is kind of like the the

2175
01:28:14,149 --> 01:28:11,360
the far stretch for the uh synchronicity

2176
01:28:16,470 --> 01:28:14,159
moment um i was actually running a dj

2177
01:28:17,669 --> 01:28:16,480
store i was learning how to dj in a dj

2178
01:28:19,910 --> 01:28:17,679
studio

2179
01:28:21,270 --> 01:28:19,920
of a city of ottawa building which was

2180
01:28:23,270 --> 01:28:21,280
actually the boiler room so in the

2181
01:28:24,629 --> 01:28:23,280
basement of the city of ottawa building

2182
01:28:26,550 --> 01:28:24,639
which kind of released the whole

2183
01:28:28,390 --> 01:28:26,560
subterranean chamber thing and now it's

2184
01:28:30,709 --> 01:28:28,400
actually a uh uh

2185
01:28:31,669 --> 01:28:30,719
like the ottawa um

2186
01:28:33,510 --> 01:28:31,679
like

2187
01:28:34,870 --> 01:28:33,520
alex what is it we went there for for a

2188
01:28:36,790 --> 01:28:34,880

conference there a couple days ago or

2189
01:28:39,030 --> 01:28:36,800
like weeks ago

2190
01:28:41,110 --> 01:28:39,040
it's a uh incubator

2191
01:28:42,709 --> 01:28:41,120
oh the innovation center the innovation

2192
01:28:44,790 --> 01:28:42,719
center it's actually it's it's actually

2193
01:28:46,550 --> 01:28:44,800
ottawa's innovation center so like what

2194
01:28:48,310 --> 01:28:46,560
what my dj studio used to be and trust

2195
01:28:50,070 --> 01:28:48,320
me like it was

2196
01:28:52,550 --> 01:28:50,080
like the old 50s type of boiler room we

2197
01:28:54,310 --> 01:28:52,560
built a studio like a 10 by 10 studio in

2198
01:28:57,669 --> 01:28:54,320
one corner of it but it was like old

2199
01:28:59,910 --> 01:28:57,679
school boiler room and it was

2200
01:29:02,470 --> 01:28:59,920
no one eminent ease

2201
01:29:05,189 --> 01:29:02,480
no no no um like no no official status

2202
01:29:07,110 --> 01:29:05,199
we took like yeah it was uh

2203
01:29:09,430 --> 01:29:07,120
was uh it was pretty um

2204
01:29:11,270 --> 01:29:09,440
pretty ghetto back then but uh still you

2205
01:29:12,790 --> 01:29:11,280
know if we're going down memory lane

2206
01:29:15,270 --> 01:29:12,800
that's kind of that's kind of my

2207
01:29:16,790 --> 01:29:15,280
contribution to that

2208
01:29:19,350 --> 01:29:16,800
that's a good one

2209
01:29:21,750 --> 01:29:19,360
that's good the boiler room would have

2210
01:29:23,910 --> 01:29:21,760
very interesting acoustics

2211
01:29:25,990 --> 01:29:23,920
oh we yeah oh goodness and there there

2212
01:29:30,070 --> 01:29:26,000
was not a a place

2213
01:29:31,910 --> 01:29:30,080

um actually we had residential um about

2214
01:29:33,590 --> 01:29:31,920
half a kilometer away and the sound

2215
01:29:34,709 --> 01:29:33,600
system we had in there the residents

2216
01:29:37,510 --> 01:29:34,719
from

2217
01:29:38,870 --> 01:29:37,520
the rock in that area uh would actually

2218
01:29:41,350 --> 01:29:38,880
still carry the sound that half

2219
01:29:42,070 --> 01:29:41,360
kilometer like it was absolutely

2220
01:29:47,750 --> 01:29:42,080
so

2221
01:29:48,870 --> 01:29:47,760
net coming up next

2222
01:29:51,030 --> 01:29:48,880
sound

2223
01:29:53,830 --> 01:29:51,040
shock waves travel through water like

2224
01:29:56,870 --> 01:29:53,840
electricity through wires it's it's

2225
01:29:59,510 --> 01:29:56,880
an excellent transmission

2226
01:30:01,830 --> 01:29:59,520
now so this is just my my side profile

2227
01:30:04,390 --> 01:30:01,840
which uh shows the other lines that i

2228
01:30:06,709 --> 01:30:04,400
had added and where they went with that

2229
01:30:09,189 --> 01:30:06,719
description because those those are not

2230
01:30:11,189 --> 01:30:09,199
described anywhere

2231
01:30:14,310 --> 01:30:11,199
so that was my contribution it's

2232
01:30:15,750 --> 01:30:14,320
actually putting those on there

2233
01:30:18,629 --> 01:30:15,760
okay now uh

2234
01:30:20,149 --> 01:30:18,639
david david alexander uh once again asks

2235
01:30:21,990 --> 01:30:20,159
um and this is just kind of like your

2236
01:30:24,470 --> 01:30:22,000
opinion on it uh what do you think about

2237
01:30:25,669 --> 01:30:24,480
the potential of having a gold capstone

2238
01:30:27,590 --> 01:30:25,679

and what role would you think it would

2239
01:30:30,310 --> 01:30:27,600
have played in the overall

2240
01:30:32,070 --> 01:30:30,320
machine as you know the machine itself

2241
01:30:36,470 --> 01:30:32,080
thank you daniel and thank you very much

2242
01:30:41,430 --> 01:30:38,870
i you know i i followed a lot of the

2243
01:30:44,950 --> 01:30:41,440
energy from the vacuum

2244
01:30:47,750 --> 01:30:44,960
theories and series from john bedini and

2245
01:30:49,510 --> 01:30:47,760
tom bearden and i i just getting a

2246
01:30:52,229 --> 01:30:49,520
feeling that they used

2247
01:30:54,470 --> 01:30:52,239
they used uh some of that uh

2248
01:30:56,790 --> 01:30:54,480
you know grabbing energy from the vacuum

2249
01:30:58,629 --> 01:30:56,800
that's also that's all tesla's work so

2250
01:31:00,830 --> 01:30:58,639
that's my

2251
01:31:02,550 --> 01:31:00,840
gut feeling no

2252
01:31:06,709 --> 01:31:02,560
proof

2253
01:31:08,470 --> 01:31:06,719
that's that's

2254
01:31:11,510 --> 01:31:08,480
you know that's uh

2255
01:31:13,669 --> 01:31:11,520
infinite almost infinite energy source

2256
01:31:15,350 --> 01:31:13,679
you have to use uh

2257
01:31:19,270 --> 01:31:15,360
uh catch a bit of it

2258
01:31:24,470 --> 01:31:21,830
it's just tesla's later work after aac

2259
01:31:26,310 --> 01:31:24,480
ac was just nothing compared to that

2260
01:31:27,510 --> 01:31:26,320
that was the big stuff

2261
01:31:29,350 --> 01:31:27,520
well you know

2262
01:31:30,790 --> 01:31:29,360
if westinghouse

2263
01:31:32,070 --> 01:31:30,800

business is always going to be business

2264
01:31:33,590 --> 01:31:32,080
but if westinghouse had been a little

2265
01:31:35,189 --> 01:31:33,600
bit less of a dick

2266
01:31:37,510 --> 01:31:35,199
maybe we would have

2267
01:31:38,870 --> 01:31:37,520
actually been able to find out

2268
01:31:40,629 --> 01:31:38,880
more about what he was talking about

2269
01:31:43,189 --> 01:31:40,639
instead of him going into obscurity and

2270
01:31:44,229 --> 01:31:43,199
kind of dying alone in a hotel room so

2271
01:31:45,750 --> 01:31:44,239
that's that's kind of what the

2272
01:31:48,070 --> 01:31:45,760
interesting thing is

2273
01:31:48,950 --> 01:31:48,080
john bedini and tom beard and actually

2274
01:31:51,510 --> 01:31:48,960
they're

2275
01:31:55,270 --> 01:31:51,520
they were buddies uh badini is dead

2276
01:31:59,030 --> 01:31:55,280
just last november uh but they really

2277
01:32:01,110 --> 01:31:59,040
deciphered a lot of his works and and

2278
01:32:01,910 --> 01:32:01,120
bedini made a lot of different devices

2279
01:32:07,030 --> 01:32:01,920
which

2280
01:32:11,270 --> 01:32:07,040
energy from the vacuum

2281
01:32:14,950 --> 01:32:11,280
and he did other ones magnetic systems

2282
01:32:17,830 --> 01:32:14,960
brilliant okay and the next one slide 30

2283
01:32:21,669 --> 01:32:19,030
which seems to be the exact same thing

2284
01:32:25,750 --> 01:32:24,070
oh okay yeah it was oh that was just

2285
01:32:26,950 --> 01:32:25,760
showing the wastegate it shows a little

2286
01:32:28,709 --> 01:32:26,960
flat valve

2287
01:32:30,950 --> 01:32:28,719
and the other one showed a little poppet

2288
01:32:32,950 --> 01:32:30,960

valve at the back of the room okay pop

2289
01:32:34,229 --> 01:32:32,960
it valve would allow where would that be

2290
01:32:36,550 --> 01:32:34,239
in the image

2291
01:32:38,709 --> 01:32:36,560
and that's where that that look stanley

2292
01:32:41,189 --> 01:32:38,719
the little boy was looking at the recess

2293
01:32:43,750 --> 01:32:41,199
that was that little pop it round ball

2294
01:32:46,550 --> 01:32:43,760
valve okay so that was the previous one

2295
01:32:48,310 --> 01:32:46,560
the round ball valve and 29. okay

2296
01:32:50,950 --> 01:32:48,320
yeah the round ball valve that was uh

2297
01:32:53,750 --> 01:32:50,960
above the uh above the subterranean

2298
01:32:55,590 --> 01:32:53,760
chamber and then the pocket valve is out

2299
01:32:57,750 --> 01:32:55,600
near the output line

2300
01:32:58,950 --> 01:32:57,760
um yes okay that makes a little bit more

2301
01:33:00,070 --> 01:32:58,960
sense

2302
01:33:01,510 --> 01:33:00,080
i just wanted to i just want to make

2303
01:33:02,870 --> 01:33:01,520
sure because for for everything that you

2304
01:33:04,390 --> 01:33:02,880
sent me i'm gonna be putting this up as

2305
01:33:06,470 --> 01:33:04,400
a pdf for anybody who listens you know

2306
01:33:09,189 --> 01:33:06,480
for for the tens of thousands of

2307
01:33:11,669 --> 01:33:09,199
listeners at home who listen to us uh

2308
01:33:14,070 --> 01:33:11,679
via mp3 so that they have an a pdf

2309
01:33:16,310 --> 01:33:14,080
companion to follow along

2310
01:33:18,709 --> 01:33:16,320
you'll be the next project camelot

2311
01:33:20,149 --> 01:33:18,719
for what you mean us

2312
01:33:21,669 --> 01:33:20,159
sure for them

2313
01:33:23,510 --> 01:33:21,679

we're the dental lore we're we're nobody

2314
01:33:25,830 --> 01:33:23,520
else we're our own i mean i'm just

2315
01:33:27,350 --> 01:33:25,840
saying the following

2316
01:33:29,510 --> 01:33:27,360
project camelot doesn't have a big sexy

2317
01:33:31,669 --> 01:33:29,520
alex

2318
01:33:33,430 --> 01:33:31,679
no

2319
01:33:35,510 --> 01:33:33,440
the cherry's coming out there a lot

2320
01:33:39,910 --> 01:33:35,520
there you go

2321
01:33:41,510 --> 01:33:39,920
so the slide 31 do it again

2322
01:33:43,990 --> 01:33:41,520
okay now this one

2323
01:33:46,149 --> 01:33:44,000
this was actually looking from the input

2324
01:33:48,390 --> 01:33:46,159
shaft the shaft that goes into the room

2325
01:33:50,070 --> 01:33:48,400
so you're looking

2326
01:33:51,110 --> 01:33:50,080
as you walk into the subterranean

2327
01:33:52,950 --> 01:33:51,120
chamber

2328
01:33:56,229 --> 01:33:52,960
now if water's flowing through the

2329
01:33:57,910 --> 01:33:56,239
square shaft what the because

2330
01:33:59,350 --> 01:33:57,920
the one thing i was really trying to

2331
01:34:01,990 --> 01:33:59,360
point out here

2332
01:34:04,629 --> 01:34:02,000
is that whole left hand wall is one

2333
01:34:07,270 --> 01:34:04,639
consistent plane

2334
01:34:09,669 --> 01:34:07,280
from the input to the output that's

2335
01:34:12,070 --> 01:34:09,679
where it's going to hit is where that x

2336
01:34:14,229 --> 01:34:12,080
and also around that x and that's the

2337
01:34:16,470 --> 01:34:14,239
dead end shaft

2338
01:34:20,790 --> 01:34:16,480

or the output shaft so it goes directly

2339
01:34:24,070 --> 01:34:20,800
across the room and then when water hits

2340
01:34:26,629 --> 01:34:24,080
when fluids hit a perpendicular surface

2341
01:34:29,510 --> 01:34:26,639
it it fan on us it doesn't bounce

2342
01:34:30,390 --> 01:34:29,520
and so it shows the fanning structure

2343
01:34:32,550 --> 01:34:30,400
that

2344
01:34:34,709 --> 01:34:32,560
actually gets proved later with uh

2345
01:34:36,390 --> 01:34:34,719
inkjet model

2346
01:34:38,070 --> 01:34:36,400
so it

2347
01:34:40,629 --> 01:34:38,080
you have to see that

2348
01:34:44,149 --> 01:34:40,639
there's a consistency in logic to this

2349
01:34:48,790 --> 01:34:46,790
so they have the square walls to

2350
01:34:51,510 --> 01:34:48,800
try to generate just like a straight up

2351
01:34:54,070 --> 01:34:51,520
laminar flow of water and avoid

2352
01:34:56,310 --> 01:34:54,080
turbulent effects or something or

2353
01:34:58,629 --> 01:34:56,320
yes

2354
01:35:03,350 --> 01:35:01,030
so i replicated parts of it with round

2355
01:35:05,830 --> 01:35:03,360
pipe where it didn't make a difference

2356
01:35:06,950 --> 01:35:05,840
and then other parts i did just square

2357
01:35:07,910 --> 01:35:06,960
pipes

2358
01:35:10,310 --> 01:35:07,920
where i

2359
01:35:11,350 --> 01:35:10,320
i could see that it would make it where

2360
01:35:13,590 --> 01:35:11,360
it was

2361
01:35:18,550 --> 01:35:13,600
important

2362
01:35:21,110 --> 01:35:18,560
okay okay okay so next one was slide 32

2363
01:35:23,590 --> 01:35:21,120

okay this is just it's a graphic overlay

2364
01:35:24,950 --> 01:35:23,600
but it's from one of the 1929 pictures

2365
01:35:25,910 --> 01:35:24,960
before they put the

2366
01:35:29,510 --> 01:35:25,920
all the

2367
01:35:30,470 --> 01:35:29,520
bricks and the and the and the handrails

2368
01:35:32,310 --> 01:35:30,480
and stuff

2369
01:35:34,229 --> 01:35:32,320
so you actually i did the yellow arrow

2370
01:35:36,870 --> 01:35:34,239
that goes across the room

2371
01:35:39,030 --> 01:35:36,880
to the from the input shaft the jet

2372
01:35:41,669 --> 01:35:39,040
shaft over to where the

2373
01:35:43,270 --> 01:35:41,679
uh dead end shaft output is so you get

2374
01:35:45,590 --> 01:35:43,280
to scale

2375
01:35:47,030 --> 01:35:45,600
and then also get some of the water

2376
01:35:49,750 --> 01:35:47,040
flows

2377
01:35:51,590 --> 01:35:49,760
as best as possible without making it

2378
01:35:53,910 --> 01:35:51,600
too messy

2379
01:35:55,189 --> 01:35:53,920
and it's you know it's hard to

2380
01:35:57,110 --> 01:35:55,199
show

2381
01:35:59,189 --> 01:35:57,120
now what do you think of uh stephen

2382
01:36:01,270 --> 01:35:59,199
meyer's idea that uh you know his

2383
01:36:02,470 --> 01:36:01,280
general consensus of anybody can put

2384
01:36:04,470 --> 01:36:02,480
lines on a picture and call it a

2385
01:36:06,310 --> 01:36:04,480
correlation

2386
01:36:08,550 --> 01:36:06,320
anybody can do what anybody can put

2387
01:36:10,709 --> 01:36:08,560
lines on a picture and you know and call

2388
01:36:12,070 --> 01:36:10,719

it a call

2389
01:36:15,430 --> 01:36:12,080
well

2390
01:36:17,669 --> 01:36:15,440
anybody can put me just inside

2391
01:36:21,350 --> 01:36:17,679
a model and actually run it and take

2392
01:36:23,270 --> 01:36:21,360
pictures of of the inkjet flow patterns

2393
01:36:24,709 --> 01:36:23,280
and then put lines where the ink

2394
01:36:26,229 --> 01:36:24,719
actually goes

2395
01:36:27,590 --> 01:36:26,239
so uh

2396
01:36:31,270 --> 01:36:27,600
now yeah

2397
01:36:48,709 --> 01:36:33,110
we'll get more on to to steven later on

2398
01:36:51,910 --> 01:36:50,390
well you know we'll get to that later on

2399
01:36:53,669 --> 01:36:51,920
ladies and gentlemen you have to stay to

2400
01:36:55,510 --> 01:36:53,679
the end of the show all the way through

2401
01:36:57,830 --> 01:36:55,520
to be able to find out his true feelings

2402
01:37:01,669 --> 01:36:57,840
on that subject because that cut out so

2403
01:37:03,189 --> 01:37:01,679
slide 33 it's extensive

2404
01:37:06,229 --> 01:37:03,199
well you know it is

2405
01:37:09,350 --> 01:37:06,239
as a history well as i recall uh i think

2406
01:37:11,830 --> 01:37:09,360
it was during what was it during uh uh

2407
01:37:13,669 --> 01:37:11,840
danny and uh doug's show where it's i

2408
01:37:15,990 --> 01:37:13,679
had to bread on an air like just okay

2409
01:37:17,910 --> 01:37:16,000
like john was in in chad and john says

2410
01:37:19,669 --> 01:37:17,920
uh uh you know

2411
01:37:21,669 --> 01:37:19,679
[\h__\h] [\h__\h] steve myers you guys said [\h__\h]

2412
01:37:23,590 --> 01:37:21,679
steven myers yes yes something like that

2413
01:37:24,550 --> 01:37:23,600

so we're gonna elaborate on that later

2414
01:37:26,709 --> 01:37:24,560
on because i don't know what the hell's

2415
01:37:28,470 --> 01:37:26,719
going on with that [\h__\h] um because i

2416
01:37:29,910 --> 01:37:28,480
actually read that out on air and we

2417
01:37:31,830 --> 01:37:29,920
could listen to about about 50 000

2418
01:37:34,310 --> 01:37:31,840
people a week so

2419
01:37:38,229 --> 01:37:34,320
some some context might be in in order

2420
01:37:39,750 --> 01:37:38,239
uh now this is slide 33 32

2421
01:37:41,510 --> 01:37:39,760
and yeah this

2422
01:37:44,790 --> 01:37:41,520
as you can see it's like from november

2423
01:37:47,990 --> 01:37:44,800
2001 i did i made a model with the glass

2424
01:37:49,189 --> 01:37:48,000
top and i dug the inkjets with inside

2425
01:37:50,149 --> 01:37:49,199
that model

2426
01:37:53,270 --> 01:37:50,159
and

2427
01:37:55,430 --> 01:37:53,280
these were the basic flows

2428
01:37:58,390 --> 01:37:55,440
of um where that

2429
01:38:01,109 --> 01:37:58,400
i try to get where the step is

2430
01:38:03,270 --> 01:38:01,119
and so i'm i'm replicating what the inks

2431
01:38:04,790 --> 01:38:03,280
did because i could not for the life of

2432
01:38:07,030 --> 01:38:04,800
me figure it out

2433
01:38:08,550 --> 01:38:07,040
and these these absolutely brilliant

2434
01:38:10,149 --> 01:38:08,560
designers they

2435
01:38:12,709 --> 01:38:10,159
they use

2436
01:38:15,830 --> 01:38:12,719
now it's water saturated because it

2437
01:38:17,669 --> 01:38:15,840
removes all the gas at the back so

2438
01:38:19,830 --> 01:38:17,679

water when you start getting water

2439
01:38:21,590 --> 01:38:19,840
without air then it's like being in the

2440
01:38:23,430 --> 01:38:21,600
ocean and stuff like that or under a

2441
01:38:25,430 --> 01:38:23,440
lake where

2442
01:38:26,550 --> 01:38:25,440
elevations don't matter

2443
01:38:28,550 --> 01:38:26,560
so it's a

2444
01:38:29,590 --> 01:38:28,560
you know if it's a ceiling flow or a

2445
01:38:30,629 --> 01:38:29,600
floor

2446
01:38:34,229 --> 01:38:30,639
flow

2447
01:38:36,950 --> 01:38:34,239
it's it's not affected by gravity

2448
01:38:39,510 --> 01:38:36,960
so they actually use the ceiling

2449
01:38:42,310 --> 01:38:39,520
as one of the surfaces

2450
01:38:46,310 --> 01:38:42,320
to reflect and guide

2451
01:38:48,709 --> 01:38:46,320
water across the room um

2452
01:38:50,550 --> 01:38:48,719
and then they also did a mid flow which

2453
01:38:53,669 --> 01:38:50,560
is kind of the purple thing and that

2454
01:38:55,750 --> 01:38:53,679
reflection actually did a uh

2455
01:38:57,350 --> 01:38:55,760
it did the exact flows that the purple

2456
01:38:59,750 --> 01:38:57,360
show uh

2457
01:39:01,030 --> 01:38:59,760
it's extremely complex and so it's a

2458
01:39:04,870 --> 01:39:01,040
hydraulic

2459
01:39:07,270 --> 01:39:04,880
that's

2460
01:39:09,109 --> 01:39:07,280
i know anybody can draw lines on a piece

2461
01:39:11,030 --> 01:39:09,119
of paper

2462
01:39:12,870 --> 01:39:11,040
yeah right

2463
01:39:15,750 --> 01:39:12,880

yeah you know i couldn't figure it out i

2464
01:39:19,590 --> 01:39:15,760
couldn't figure it out i actually at the

2465
01:39:22,870 --> 01:39:19,600
time i did that i back in 2000

2466
01:39:25,510 --> 01:39:22,880
um my mother aylin chen thank you for

2467
01:39:27,270 --> 01:39:25,520
the donation i and she's always been an

2468
01:39:29,030 --> 01:39:27,280
amazing supporter

2469
01:39:31,510 --> 01:39:29,040
and love her to death because this would

2470
01:39:33,669 --> 01:39:31,520
never have gotten done without her

2471
01:39:34,709 --> 01:39:33,679
um

2472
01:39:36,870 --> 01:39:34,719
and

2473
01:39:39,030 --> 01:39:36,880
she was a principal

2474
01:39:41,750 --> 01:39:39,040
uh l.a school systems

2475
01:39:45,189 --> 01:39:41,760
and one of her students a gifted student

2476
01:39:48,070 --> 01:39:45,199
johnny jones was at mit in the

2477
01:39:50,149 --> 01:39:48,080
engineering department and i wrote him

2478
01:39:53,669 --> 01:39:50,159
by internet when internet was still

2479
01:39:55,510 --> 01:39:53,679
younger and got out to him through her

2480
01:39:58,149 --> 01:39:55,520
and asked him to

2481
01:40:00,550 --> 01:39:58,159
find some sort of fluid

2482
01:40:03,109 --> 01:40:00,560
program which would allow

2483
01:40:05,189 --> 01:40:03,119
a modeling of the subterranean chamber

2484
01:40:06,070 --> 01:40:05,199
and so

2485
01:40:08,709 --> 01:40:06,080
being

2486
01:40:11,990 --> 01:40:08,719
you know he they have a real bond he was

2487
01:40:14,310 --> 01:40:12,000
willing to actually listen as to oppo as

2488
01:40:16,870 --> 01:40:14,320

of most people if he's uh universities

2489
01:40:20,229 --> 01:40:16,880
if you say pyramid the discussion is

2490
01:40:22,550 --> 01:40:20,239
over um so he actually

2491
01:40:24,870 --> 01:40:22,560
you know took the question seriously and

2492
01:40:27,350 --> 01:40:24,880
the end result was

2493
01:40:30,709 --> 01:40:27,360
uh we can't model it

2494
01:40:32,709 --> 01:40:30,719
so i actually had to do ink chats and

2495
01:40:42,310 --> 01:40:32,719
then draw lines

2496
01:40:48,540 --> 01:40:44,550
i sent him a model i sent him one of my

2497
01:40:49,669 --> 01:40:48,550
models back in 1999

2498
01:40:51,830 --> 01:40:49,679
[Music]

2499
01:40:53,669 --> 01:40:51,840
to help him out to do the subtraining

2500
01:40:57,189 --> 01:40:53,679
chamber

2501
01:40:59,590 --> 01:40:57,199
um and i had him pack my aol

2502
01:41:01,030 --> 01:40:59,600
and send spam to my

2503
01:41:03,510 --> 01:41:01,040
people on my

2504
01:41:04,550 --> 01:41:03,520
address email address list thank you

2505
01:41:06,390 --> 01:41:04,560
very much

2506
01:41:08,310 --> 01:41:06,400
and then delete emails they got sent

2507
01:41:10,390 --> 01:41:08,320
back like why the [\h__\h] are you sending

2508
01:41:11,189 --> 01:41:10,400
us spam

2509
01:41:13,669 --> 01:41:11,199
uh

2510
01:41:17,350 --> 01:41:13,679
yeah he's one of those guys

2511
01:41:20,470 --> 01:41:18,709
hey danny

2512
01:41:24,629 --> 01:41:20,480
what's the official story from

2513
01:41:29,030 --> 01:41:27,189

uh didn't want to be buried there so he

2514
01:41:30,629 --> 01:41:29,040
they said uh go up i want a queen's

2515
01:41:32,390 --> 01:41:30,639
chamber or wait no he wants another

2516
01:41:33,830 --> 01:41:32,400
chamber and then he can make up his mind

2517
01:41:35,109 --> 01:41:33,840
with that

2518
01:41:36,149 --> 01:41:35,119
and then he then he built the king's

2519
01:41:37,510 --> 01:41:36,159
chamber and he's like this is good

2520
01:41:41,030 --> 01:41:37,520
enough return on investment

2521
01:41:43,669 --> 01:41:41,040
[\h__\h] return on investment

2522
01:41:47,109 --> 01:41:43,679
you know it's a that's a brilliant room

2523
01:41:47,910 --> 01:41:47,119
it's a long way to go for a chamber pot

2524
01:41:54,790 --> 01:41:47,920
yeah

2525
01:42:00,950 --> 01:41:55,750
and this

2526
01:42:05,830 --> 01:42:03,669
did you take before you drew this

2527
01:42:07,189 --> 01:42:05,840
now here's the positive thing

2528
01:42:10,310 --> 01:42:07,199
it's like a

2529
01:42:12,070 --> 01:42:10,320
painting of a new york hotel room

2530
01:42:14,149 --> 01:42:12,080
so

2531
01:42:17,109 --> 01:42:14,159
thank you

2532
01:42:19,830 --> 01:42:17,119
kevin bomber actually did a 3d

2533
01:42:22,070 --> 01:42:19,840
cgi of the flows

2534
01:42:24,070 --> 01:42:22,080
and so with that

2535
01:42:25,510 --> 01:42:24,080
you can actually see the flows

2536
01:42:27,189 --> 01:42:25,520
he just did that

2537
01:42:28,950 --> 01:42:27,199
last month

2538
01:42:33,750 --> 01:42:28,960

brilliant work we work

2539
01:42:38,709 --> 01:42:36,629
okay so in inputs and outputs on these

2540
01:42:41,350 --> 01:42:38,719
crazy turbulent

2541
01:42:44,390 --> 01:42:41,360
pictures here looks like a mouse how how

2542
01:42:46,470 --> 01:42:44,400
is any of this functional

2543
01:42:47,510 --> 01:42:46,480
the inputs of the output the inputs the

2544
01:42:49,750 --> 01:42:47,520
yellow

2545
01:42:51,830 --> 01:42:49,760
that goes straight across to the output

2546
01:42:54,790 --> 01:42:51,840
and then there's the main flow which

2547
01:42:56,790 --> 01:42:54,800
goes down through the shaft the uh

2548
01:42:58,950 --> 01:42:56,800
this is sort of like a hydraulic mixing

2549
01:43:01,109 --> 01:42:58,960
valve of sorts going on here with like

2550
01:43:02,870 --> 01:43:01,119
three or four ports or

2551
01:43:04,550 --> 01:43:02,880
i mean presumably the water table is

2552
01:43:06,950 --> 01:43:04,560
coming up from the bottom and then we're

2553
01:43:14,229 --> 01:43:06,960
getting some interesting turbulent flows

2554
01:43:20,149 --> 01:43:16,070
okay so there's no

2555
01:43:22,709 --> 01:43:21,430
okay now this is actually a picture of

2556
01:43:24,310 --> 01:43:22,719
the floor of the subterranean chamber is

2557
01:43:26,550 --> 01:43:24,320
it not

2558
01:43:28,229 --> 01:43:26,560
yeah and so that's looking down at the

2559
01:43:30,629 --> 01:43:28,239
input shaft

2560
01:43:32,870 --> 01:43:30,639
um and i put ink in the

2561
01:43:35,109 --> 01:43:32,880
shaft in the jet going into the room

2562
01:43:37,669 --> 01:43:35,119
that was my first one where

2563
01:43:40,149 --> 01:43:37,679

you know may of 2001 where

2564
01:43:42,790 --> 01:43:40,159
i didn't have the other ports

2565
01:43:44,790 --> 01:43:42,800
but it did show

2566
01:43:48,229 --> 01:43:44,800
that the reflection off the others the

2567
01:43:50,390 --> 01:43:48,239
far surface and then

2568
01:43:53,270 --> 01:43:50,400
the coolest thing part of it drops down

2569
01:43:55,990 --> 01:43:53,280
into the pit which is that center

2570
01:43:59,189 --> 01:43:56,000
45 degree offset

2571
01:44:01,430 --> 01:43:59,199
which is extremely significant

2572
01:44:02,470 --> 01:44:01,440
but it also shows that the center

2573
01:44:03,910 --> 01:44:02,480
channel

2574
01:44:05,510 --> 01:44:03,920
in that step

2575
01:44:07,590 --> 01:44:05,520
on the right hand side

2576
01:44:08,950 --> 01:44:07,600
and it shows how that water flow that

2577
01:44:10,790 --> 01:44:08,960
goes through the center channel

2578
01:44:12,149 --> 01:44:10,800
redirects

2579
01:44:15,109 --> 01:44:12,159
that purple

2580
01:44:16,629 --> 01:44:15,119
and coming across that step face

2581
01:44:20,709 --> 01:44:16,639
so i used

2582
01:44:24,070 --> 01:44:20,719
um channels to do redirects

2583
01:44:29,270 --> 01:44:26,870
okay and i'm getting word that uh danny

2584
01:44:31,189 --> 01:44:29,280
kerr who has been online with us oh son

2585
01:44:32,950 --> 01:44:31,199
of a gun he signed off i'm just like

2586
01:44:34,470 --> 01:44:32,960
danny did you want to sign off between

2587
01:44:35,430 --> 01:44:34,480
slides and say goodbye to everybody

2588
01:44:37,910 --> 01:44:35,440

considering

2589
01:44:41,189 --> 01:44:37,920
we said you were on the show tonight

2590
01:44:44,149 --> 01:44:41,199
and he's just like uh i'm sorry

2591
01:44:46,950 --> 01:44:44,159
he just signed out he's bad so um danny

2592
01:44:48,790 --> 01:44:46,960
sends his absolute best and uh next time

2593
01:44:50,870 --> 01:44:48,800
let me know before you sign off so we

2594
01:44:52,629 --> 01:44:50,880
can actually give you a proper send-off

2595
01:44:55,030 --> 01:44:52,639
so um that's

2596
01:44:56,709 --> 01:44:55,040
appreciated but still i don't know he's

2597
01:44:59,189 --> 01:44:56,719
got band stuff to do and you know he's

2598
01:45:01,430 --> 01:44:59,199
uh an aspiring musician

2599
01:45:03,350 --> 01:45:01,440
so and his band's actually quite good if

2600
01:45:06,149 --> 01:45:03,360
you flip if you've ever listened to any

2601
01:45:09,510 --> 01:45:06,159
of the music um but i digress

2602
01:45:14,070 --> 01:45:11,189
silly question here what kind of ink

2603
01:45:17,990 --> 01:45:14,080
were you using for this

2604
01:45:20,229 --> 01:45:18,000
inkjet it was black i had a lot of it

2605
01:45:24,310 --> 01:45:20,239
an old printer laying around gonna do

2606
01:45:28,950 --> 01:45:27,030
just you know for the diyers at home

2607
01:45:31,750 --> 01:45:28,960
yes now this one i actually started

2608
01:45:33,750 --> 01:45:31,760
putting a little though jets

2609
01:45:36,790 --> 01:45:33,760
uh drilled the holes inside and then

2610
01:45:38,229 --> 01:45:36,800
allowed a valves to regulate the

2611
01:45:39,590 --> 01:45:38,239
ink flowing in

2612
01:45:41,510 --> 01:45:39,600
oh so you know

2613
01:45:43,590 --> 01:45:41,520

this this is really this is an actual

2614
01:45:46,149 --> 01:45:43,600
model this isn't the actual thing yeah

2615
01:45:47,270 --> 01:45:46,159
oh my god ding ding ding oh

2616
01:45:49,669 --> 01:45:47,280
it's actually

2617
01:45:51,109 --> 01:45:49,679
so that's the actual flows i'm not just

2618
01:45:53,270 --> 01:45:51,119
guessing

2619
01:45:55,270 --> 01:45:53,280
you know just draw the lines on the page

2620
01:45:57,350 --> 01:45:55,280
lines on page thank you doug i

2621
01:45:59,030 --> 01:45:57,360
appreciate

2622
01:46:00,390 --> 01:45:59,040
that's just it stupidest thing i've ever

2623
01:46:02,790 --> 01:46:00,400
heard

2624
01:46:05,030 --> 01:46:02,800
okay so now the most significant thing

2625
01:46:07,430 --> 01:46:05,040
about this is that if you look at it

2626
01:46:09,590 --> 01:46:07,440
they're using the ceiling they use the

2627
01:46:12,470 --> 01:46:09,600
ceiling as one of the surfaces to

2628
01:46:14,550 --> 01:46:12,480
reflect and that's

2629
01:46:17,030 --> 01:46:14,560
you don't necessarily think about that

2630
01:46:18,390 --> 01:46:17,040
when doing a design it's a fluid design

2631
01:46:20,070 --> 01:46:18,400
you think

2632
01:46:22,629 --> 01:46:20,080
you just don't i did i never thought of

2633
01:46:24,830 --> 01:46:22,639
it and i did the inks and

2634
01:46:26,790 --> 01:46:24,840
said holy cow

2635
01:46:27,990 --> 01:46:26,800
genius

2636
01:46:29,430 --> 01:46:28,000
now my

2637
01:46:31,350 --> 01:46:29,440
my big thing is that and what i took

2638
01:46:33,270 --> 01:46:31,360

away from this is that it was so well

2639
01:46:35,189 --> 01:46:33,280
designed and so well modeled that i

2640
01:46:36,709 --> 01:46:35,199
could not actually tell this

2641
01:46:38,870 --> 01:46:36,719
between

2642
01:46:41,750 --> 01:46:38,880
your work and a picture of the actual

2643
01:46:44,950 --> 01:46:41,760
thing so kudos to you on that

2644
01:46:48,070 --> 01:46:44,960
um and even thank you and now uh jared

2645
01:46:51,030 --> 01:46:48,080
thompson uh jared what's up how how is

2646
01:46:52,310 --> 01:46:51,040
uh south america uh he is asking is

2647
01:46:55,590 --> 01:46:52,320
there water erosion in the lower

2648
01:46:59,750 --> 01:46:57,350
or was it or was it like this you know

2649
01:47:01,270 --> 01:46:59,760
the only stuff i could really see i see

2650
01:47:05,030 --> 01:47:01,280
the

2651
01:47:07,350 --> 01:47:05,040
so much

2652
01:47:09,750 --> 01:47:07,360
traffic in and out of there out of the

2653
01:47:11,990 --> 01:47:09,760
room that you can't you can't be

2654
01:47:14,470 --> 01:47:12,000
conclusive on it

2655
01:47:16,550 --> 01:47:14,480
was it somebody walking here for

2656
01:47:18,229 --> 01:47:16,560
you know last 100 years

2657
01:47:20,470 --> 01:47:18,239
but the ceiling

2658
01:47:22,550 --> 01:47:20,480
is separate you can't touch it

2659
01:47:25,510 --> 01:47:22,560
you don't have people up there chipping

2660
01:47:28,790 --> 01:47:25,520
away like they do to the sphinx etc

2661
01:47:30,310 --> 01:47:28,800
and also that yellow arrow you can see

2662
01:47:31,750 --> 01:47:30,320
that's the jet coming in and going

2663
01:47:34,310 --> 01:47:31,760

across the brim

2664
01:47:36,790 --> 01:47:34,320
uh you can actually see how

2665
01:47:38,470 --> 01:47:36,800
they put the the pit

2666
01:47:40,870 --> 01:47:38,480
offset

2667
01:47:43,109 --> 01:47:40,880
so that jet is not interfered with as it

2668
01:47:44,629 --> 01:47:43,119
goes across the room

2669
01:47:46,629 --> 01:47:44,639
now once you've got a huge close look

2670
01:47:48,470 --> 01:47:46,639
down in the center of that pin now would

2671
01:47:50,390 --> 01:47:48,480
the entire room have been filled with

2672
01:47:51,830 --> 01:47:50,400
water like up to the brim or are we

2673
01:47:53,510 --> 01:47:51,840
talking about just jets of water

2674
01:47:55,510 --> 01:47:53,520
shooting back and forth here

2675
01:47:57,189 --> 01:47:55,520
that's absolutely saturated okay okay so

2676
01:47:59,350 --> 01:47:57,199
like we're talking like swimming pool

2677
01:48:01,590 --> 01:47:59,360
forces but like uh think of like the

2678
01:48:03,270 --> 01:48:01,600
bottom of a um

2679
01:48:05,109 --> 01:48:03,280
uh what's it called

2680
01:48:08,390 --> 01:48:05,119
hot tub where like you've got all these

2681
01:48:09,990 --> 01:48:08,400
flows going back and forth essentially

2682
01:48:12,550 --> 01:48:10,000
or

2683
01:48:13,910 --> 01:48:12,560
automatic transmission

2684
01:48:16,629 --> 01:48:13,920
hydraulic

2685
01:48:19,669 --> 01:48:16,639
dynamics part laminar part turbulent

2686
01:48:21,030 --> 01:48:19,679
flow in the same space

2687
01:48:22,950 --> 01:48:21,040
it's see

2688
01:48:23,750 --> 01:48:22,960

that was actually that's a good question

2689
01:48:26,390 --> 01:48:23,760
yes

2690
01:48:30,229 --> 01:48:26,400
that was one of the flow

2691
01:48:32,070 --> 01:48:30,239
questions that that jack clay had was

2692
01:48:34,310 --> 01:48:32,080
he was we were trying to figure out

2693
01:48:36,950 --> 01:48:34,320
exactly how fast the flows were coming

2694
01:48:40,070 --> 01:48:36,960
into the room we're getting a 100

2695
01:48:41,750 --> 01:48:40,080
100 feet per second um we were both kind

2696
01:48:42,790 --> 01:48:41,760
of on that

2697
01:48:44,950 --> 01:48:42,800
and

2698
01:48:46,870 --> 01:48:44,960
so 100 feet per second

2699
01:48:49,030 --> 01:48:46,880
into that room

2700
01:48:50,629 --> 01:48:49,040
you know you do meters per second

2701
01:48:54,709 --> 01:48:50,639
but

2702
01:48:57,590 --> 01:48:54,719
with it being 27 feet across it across

2703
01:49:00,709 --> 01:48:57,600
the room in a quarter second

2704
01:49:04,310 --> 01:49:00,719
it's it's a it's a jet

2705
01:49:07,270 --> 01:49:05,910
so next one

2706
01:49:08,950 --> 01:49:07,280
next slide

2707
01:49:11,910 --> 01:49:08,960
coming up next week on the pharaoh's hot

2708
01:49:16,629 --> 01:49:14,310
that's just a really nice saturation

2709
01:49:19,030 --> 01:49:16,639
it's it's tough to get

2710
01:49:20,709 --> 01:49:19,040
you know july of o2

2711
01:49:22,629 --> 01:49:20,719
the digital cameras were pretty good

2712
01:49:26,070 --> 01:49:22,639
back then

2713
01:49:27,830 --> 01:49:26,080

so that was the best i could do

2714
01:49:29,750 --> 01:49:27,840
but you can actually see how it's

2715
01:49:32,470 --> 01:49:29,760
completely redirected

2716
01:49:36,709 --> 01:49:32,480
uh by that step channel the channel on

2717
01:49:41,510 --> 01:49:39,270
that was affirmation

2718
01:49:46,149 --> 01:49:41,520
and that was slide 37

2719
01:49:50,629 --> 01:49:47,669
just another one showing the same thing

2720
01:49:51,510 --> 01:49:50,639
but it shows going down that's the step

2721
01:49:53,669 --> 01:49:51,520
channel

2722
01:49:56,470 --> 01:49:53,679
and also you can see the pit

2723
01:49:59,270 --> 01:49:56,480
uh how it's a 45 degree offset

2724
01:50:02,229 --> 01:49:59,280
that's that is so significant

2725
01:50:04,070 --> 01:50:02,239
and nobody addresses it at all

2726
01:50:05,750 --> 01:50:04,080
and it took me a while to figure out why

2727
01:50:08,390 --> 01:50:05,760
they did that

2728
01:50:10,390 --> 01:50:08,400
and it has to do with acoustics and uh

2729
01:50:13,910 --> 01:50:10,400
tunnels

2730
01:50:20,470 --> 01:50:17,430
it's exact that's exactly lined up with

2731
01:50:21,350 --> 01:50:20,480
the output shaft down to the nile

2732
01:50:23,669 --> 01:50:21,360
so

2733
01:50:24,709 --> 01:50:23,679
if you get the exact angle of that

2734
01:50:27,430 --> 01:50:24,719
you've got it

2735
01:50:29,350 --> 01:50:27,440
you know it's like a it's it's

2736
01:50:30,950 --> 01:50:29,360
like a raid you've got a starting point

2737
01:50:33,510 --> 01:50:30,960
and you've got an angle

2738
01:50:37,750 --> 01:50:33,520

those two things determine

2739
01:50:42,709 --> 01:50:39,590
you can find the tunnel with that with

2740
01:50:44,950 --> 01:50:42,719
that that angle okay it's so important

2741
01:50:46,950 --> 01:50:44,960
yeah

2742
01:50:52,149 --> 01:50:46,960
no nobody addressed this

2743
01:50:53,990 --> 01:50:53,109
uh

2744
01:50:56,550 --> 01:50:54,000
various

2745
01:50:57,830 --> 01:50:56,560
lines on the uh picture

2746
01:51:00,950 --> 01:50:57,840
so i'm just gonna just show us where

2747
01:51:02,390 --> 01:51:00,960
they are flip this around a little bit

2748
01:51:04,470 --> 01:51:02,400
okay now that way

2749
01:51:06,390 --> 01:51:04,480
you can actually see the ceiling flows

2750
01:51:09,590 --> 01:51:06,400
cross over

2751
01:51:10,629 --> 01:51:09,600
you see going over the fin on the

2752
01:51:12,870 --> 01:51:10,639
not the

2753
01:51:15,109 --> 01:51:12,880
the upper fin

2754
01:51:16,950 --> 01:51:15,119
but then it hits that wall and then

2755
01:51:19,990 --> 01:51:16,960
curls down

2756
01:51:21,910 --> 01:51:20,000
and what you get is a

2757
01:51:24,149 --> 01:51:21,920
a curling vortex

2758
01:51:25,990 --> 01:51:24,159
it created two different flow rates

2759
01:51:27,030 --> 01:51:26,000
within the fins

2760
01:51:30,310 --> 01:51:27,040
and then a

2761
01:51:35,030 --> 01:51:32,550
and you also see the step

2762
01:51:36,550 --> 01:51:35,040
on that step surface how you have uh

2763
01:51:38,790 --> 01:51:36,560

different directions

2764
01:51:41,030 --> 01:51:38,800
uh

2765
01:51:42,550 --> 01:51:41,040
so there's a rotation on that step

2766
01:51:43,990 --> 01:51:42,560
surface and then

2767
01:51:45,990 --> 01:51:44,000
if you have a rotation on the step

2768
01:51:48,550 --> 01:51:46,000
surface in the middle

2769
01:51:50,470 --> 01:51:48,560
and you've got water flowing to the

2770
01:51:52,229 --> 01:51:50,480
right on the upper fins

2771
01:51:53,990 --> 01:51:52,239
that shows that the water is going to

2772
01:51:55,910 --> 01:51:54,000
the rear of the rim

2773
01:51:59,510 --> 01:51:55,920
and if there's any gases in the room

2774
01:52:01,189 --> 01:51:59,520
they are being expelled by that

2775
01:52:02,950 --> 01:52:01,199
raised

2776
01:52:04,229 --> 01:52:02,960
it

2777
01:52:05,589 --> 01:52:04,239
shows purpose

2778
01:52:09,189 --> 01:52:05,599
okay

2779
01:52:12,229 --> 01:52:09,199
now this is slide 40.

2780
01:52:14,550 --> 01:52:12,239
like a de-aeration baffle or something

2781
01:52:18,390 --> 01:52:14,560
this is uh

2782
01:52:19,830 --> 01:52:18,400
i i was 2012 like i don't

2783
01:52:21,270 --> 01:52:19,840
you know that's

2784
01:52:24,229 --> 01:52:21,280
actually five

2785
01:52:27,109 --> 01:52:24,239
2001 it says the bottom

2786
01:52:28,550 --> 01:52:27,119
2012. oh no i'm looking john kevin may

2787
01:52:30,550 --> 01:52:28,560
2001 but that could be like the bottom

2788
01:52:33,109 --> 01:52:30,560

right hand picture which

2789
01:52:34,790 --> 01:52:33,119
was okay so yeah 2012 for this fibonacci

2790
01:52:37,510 --> 01:52:34,800
spiral great pyramid subterranean

2791
01:52:39,510 --> 01:52:37,520
chambers water vortex perfect vortex

2792
01:52:43,990 --> 01:52:39,520
outputs through the pit

2793
01:52:45,910 --> 01:52:44,000
it's amazing in that it does do that 3d

2794
01:52:48,070 --> 01:52:45,920
uh vortex and it

2795
01:52:51,109 --> 01:52:48,080
as it crosses the room to the left where

2796
01:52:54,950 --> 01:52:51,119
that i did the wire twisted wire to give

2797
01:52:55,910 --> 01:52:54,960
effect or you'll see it okay and mold

2798
01:52:58,310 --> 01:52:55,920
um

2799
01:52:59,910 --> 01:52:58,320
that is the path of the water and it

2800
01:53:02,790 --> 01:52:59,920
actually misses

2801
01:53:04,229 --> 01:53:02,800
the jet that goes in

2802
01:53:06,470 --> 01:53:04,239
and then it hits

2803
01:53:09,189 --> 01:53:06,480
towards the bottom of the room

2804
01:53:13,750 --> 01:53:09,199
and then that combines with the

2805
01:53:16,550 --> 01:53:13,760
rotation of that flow on the floor

2806
01:53:18,149 --> 01:53:16,560
so you actually get a 3d vortex going in

2807
01:53:21,430 --> 01:53:18,159
there a fibonacci

2808
01:53:23,669 --> 01:53:21,440
and to the right the blue is kind of a

2809
01:53:24,950 --> 01:53:23,679
and it was so hard to do the pictures it

2810
01:53:28,390 --> 01:53:24,960
was

2811
01:53:31,030 --> 01:53:28,400
a saturation of of that area

2812
01:53:33,510 --> 01:53:31,040
to really see what it did and with the

2813
01:53:36,229 --> 01:53:33,520

better pictures you could actually

2814
01:53:38,709 --> 01:53:36,239
see exactly how it crossed over and then

2815
01:53:41,350 --> 01:53:38,719
rotated

2816
01:53:42,709 --> 01:53:41,360
and it's fibonacci that's what that room

2817
01:53:43,990 --> 01:53:42,719
is

2818
01:53:45,990 --> 01:53:44,000
like

2819
01:53:49,910 --> 01:53:46,000
slick guys

2820
01:53:52,870 --> 01:53:51,990
actually patrick flanagan asked for that

2821
01:53:56,070 --> 01:53:52,880
picture

2822
01:53:58,709 --> 01:53:56,080
for that low so i sent it to him

2823
01:54:00,709 --> 01:53:58,719
okay so this is uh

2824
01:54:03,270 --> 01:54:00,719
now this is the original design of a

2825
01:54:05,350 --> 01:54:03,280
regular hydraulic pulse generator so it

2826
01:54:08,550 --> 01:54:05,360
shows you kind of how

2827
01:54:11,669 --> 01:54:08,560
what they actually are that's like from

2828
01:54:12,950 --> 01:54:11,679
the 1770s or something it was ages ago

2829
01:54:15,030 --> 01:54:12,960
so it's nothing

2830
01:54:17,510 --> 01:54:15,040
nothing complex

2831
01:54:21,589 --> 01:54:19,350
and this is in france

2832
01:54:23,910 --> 01:54:21,599
and what they did they used a cannonball

2833
01:54:26,629 --> 01:54:23,920
and they had a pipe with the

2834
01:54:29,669 --> 01:54:26,639
the flow would get the bulb rolling up

2835
01:54:31,910 --> 01:54:29,679
and then slam into that output

2836
01:54:33,750 --> 01:54:31,920
just through shear flow

2837
01:54:35,830 --> 01:54:33,760
so that was the regulator

2838
01:54:37,629 --> 01:54:35,840

and as soon as it shuts

2839
01:54:39,189 --> 01:54:37,639
water because it's basically

2840
01:54:42,390 --> 01:54:39,199
non-compressive

2841
01:54:44,950 --> 01:54:42,400
loads are not compressive essentially

2842
01:54:47,510 --> 01:54:44,960
it creates a shock wave

2843
01:54:49,270 --> 01:54:47,520
now that shock wave goes back

2844
01:54:51,910 --> 01:54:49,280
towards the feed pipe

2845
01:54:54,470 --> 01:54:51,920
part of that shock wave in that design

2846
01:54:56,070 --> 01:54:54,480
also goes it up past that up into that

2847
01:54:58,790 --> 01:54:56,080
upper chamber

2848
01:55:01,189 --> 01:54:58,800
and past a little one-way valve

2849
01:55:02,229 --> 01:55:01,199
and then they used air

2850
01:55:05,669 --> 01:55:02,239
to

2851
01:55:08,229 --> 01:55:05,679
regulate and reduce the shock waves the

2852
01:55:11,270 --> 01:55:08,239
shockwaves are extreme

2853
01:55:13,430 --> 01:55:11,280
so that's the original design

2854
01:55:14,870 --> 01:55:13,440
um

2855
01:55:20,470 --> 01:55:14,880
they've used the hydraulic pulse

2856
01:55:31,350 --> 01:55:21,430
okay

2857
01:55:33,830 --> 01:55:31,360
motion and i'm

2858
01:55:34,790 --> 01:55:33,840
this is what i did

2859
01:55:36,950 --> 01:55:34,800
yes

2860
01:55:39,430 --> 01:55:36,960
but i did this the uh

2861
01:55:40,470 --> 01:55:39,440
output valve

2862
01:55:42,629 --> 01:55:40,480
the uh

2863
01:55:45,270 --> 01:55:42,639

wastegate valve

2864
01:55:46,550 --> 01:55:45,280
i had to design it

2865
01:55:47,750 --> 01:55:46,560
in conjunction

2866
01:55:51,589 --> 01:55:47,760
of

2867
01:55:53,830 --> 01:55:51,599
with what's at the giza plateau

2868
01:55:57,270 --> 01:55:53,840
no cannonballs

2869
01:55:59,030 --> 01:55:57,280
um you have to be able to replace parts

2870
01:56:01,030 --> 01:55:59,040
and so you're gonna have to have thrust

2871
01:56:05,109 --> 01:56:01,040
faces or

2872
01:56:07,430 --> 01:56:05,119
thrust surfaces be able to uh replace

2873
01:56:08,390 --> 01:56:07,440
both the valve or the

2874
01:56:11,750 --> 01:56:08,400
you know that

2875
01:56:14,310 --> 01:56:11,760
the sliding valve and then also the

2876
01:56:17,189 --> 01:56:14,320
these surfaces that it strikes and then

2877
01:56:19,669 --> 01:56:17,199
of course the bottoms

2878
01:56:21,990 --> 01:56:19,679
and this is the design that an engineer

2879
01:56:25,109 --> 01:56:22,000
would make if he was doing it in the

2880
01:56:27,030 --> 01:56:25,119
giza plateau is what you can do is you

2881
01:56:30,390 --> 01:56:27,040
have all the thrust going against the

2882
01:56:32,149 --> 01:56:30,400
left-hand side the impact

2883
01:56:34,310 --> 01:56:32,159
you could actually

2884
01:56:37,189 --> 01:56:34,320
just have

2885
01:56:39,910 --> 01:56:37,199
have an access through the top

2886
01:56:41,189 --> 01:56:39,920
and then put in like granite or basalt

2887
01:56:44,470 --> 01:56:41,199
lentils

2888
01:56:49,109 --> 01:56:46,950

and it wouldn't have a lot of thrust

2889
01:56:51,350 --> 01:56:49,119
against the opening

2890
01:56:53,830 --> 01:56:51,360
it's brilliant the brilliant design and

2891
01:56:55,430 --> 01:56:53,840
this one actually went underwater as the

2892
01:56:57,589 --> 01:56:55,440
output into the nile

2893
01:56:59,910 --> 01:56:57,599
the cool thing about that

2894
01:57:02,790 --> 01:56:59,920
is that

2895
01:57:04,709 --> 01:57:02,800
hydraulic pulse generator theory

2896
01:57:06,550 --> 01:57:04,719
says that they must

2897
01:57:08,229 --> 01:57:06,560
exit to air

2898
01:57:10,629 --> 01:57:08,239
and this one

2899
01:57:13,109 --> 01:57:10,639
is designed to exit underwater it works

2900
01:57:15,910 --> 01:57:13,119
better that way it took me a long time

2901
01:57:17,589 --> 01:57:15,920
to erase

2902
01:57:20,470 --> 01:57:17,599
their

2903
01:57:21,910 --> 01:57:20,480
bs theories from my brain and do it

2904
01:57:24,390 --> 01:57:21,920
right i actually took a type of

2905
01:57:26,070 --> 01:57:24,400
observation

2906
01:57:29,510 --> 01:57:26,080
so what you see here

2907
01:57:30,229 --> 01:57:29,520
as a fluid in the top one the fluid

2908
01:57:32,709 --> 01:57:30,239
just

2909
01:57:35,910 --> 01:57:32,719
goes by this uh

2910
01:57:37,350 --> 01:57:35,920
let's say a a box

2911
01:57:38,629 --> 01:57:37,360
for

2912
01:57:41,189 --> 01:57:38,639
you know mass

2913
01:57:43,510 --> 01:57:41,199

reduce the mass let's hit the box

2914
01:57:47,189 --> 01:57:43,520
and as the fluid goes

2915
01:57:48,470 --> 01:57:47,199
it's it pushes the box to the end of the

2916
01:57:51,350 --> 01:57:48,480
uh

2917
01:57:53,669 --> 01:57:51,360
output and then slams shut

2918
01:57:56,070 --> 01:57:53,679
that's the first two just kind of moving

2919
01:57:57,030 --> 01:57:56,080
the valve through fluid and once it

2920
01:57:59,030 --> 01:57:57,040
shuts

2921
01:58:01,589 --> 01:57:59,040
then you actually do get a compression

2922
01:58:03,030 --> 01:58:01,599
within the fluid but it's a

2923
01:58:05,510 --> 01:58:03,040
compression wave

2924
01:58:07,990 --> 01:58:05,520
shock wave or water hammer and it's

2925
01:58:10,470 --> 01:58:08,000
extreme

2926
01:58:13,030 --> 01:58:10,480
when you have instantaneous fluid

2927
01:58:14,390 --> 01:58:13,040
stoppage you have extreme shock waves

2928
01:58:16,470 --> 01:58:14,400
which

2929
01:58:18,870 --> 01:58:16,480
most engineering principles say you have

2930
01:58:20,950 --> 01:58:18,880
to get rid of that

2931
01:58:24,390 --> 01:58:20,960
and that's also

2932
01:58:27,350 --> 01:58:24,400
uh consistent with electrical theory too

2933
01:58:29,669 --> 01:58:27,360
uh with tesla stuff energy from vacuum

2934
01:58:31,589 --> 01:58:29,679
so you get rid of the shock race stuff

2935
01:58:33,189 --> 01:58:31,599
but anyways this here

2936
01:58:34,870 --> 01:58:33,199
so you've got a shock wave now it's

2937
01:58:37,109 --> 01:58:34,880
going to travel up the pipe and it

2938
01:58:39,510 --> 01:58:37,119

travels like

2939
01:58:41,669 --> 01:58:39,520
it travels just like electricity of

2940
01:58:43,830 --> 01:58:41,679
wires i mean it's very directional and

2941
01:58:46,310 --> 01:58:43,840
it's very consistent

2942
01:58:49,189 --> 01:58:46,320
and it can travel very long ways like

2943
01:58:53,750 --> 01:58:49,199
whales it's what they can hear the songs

2944
01:58:54,709 --> 01:58:53,760
uh was that 3 000 or 6 000 miles away

2945
01:58:55,990 --> 01:58:54,719
um

2946
01:58:58,310 --> 01:58:56,000
so

2947
01:59:01,350 --> 01:58:58,320
you know it's a it's a great medium

2948
01:59:03,510 --> 01:59:01,360
especially when it's focused like that

2949
01:59:05,589 --> 01:59:03,520
so the fourth one down

2950
01:59:07,589 --> 01:59:05,599
you've got the shock wave which is the

2951
01:59:08,629 --> 01:59:07,599
bracket to the right and then you got

2952
01:59:11,669 --> 01:59:08,639
the

2953
01:59:12,870 --> 01:59:11,679
rarefaction wave which is extremely low

2954
01:59:19,910 --> 01:59:12,880
pressure

2955
01:59:21,669 --> 01:59:19,920
actually reverses the fluid in that pipe

2956
01:59:25,589 --> 01:59:21,679
and it actually creates suction in the

2957
01:59:27,750 --> 01:59:25,599
reverse direction almost like a like a

2958
01:59:31,270 --> 01:59:27,760
bounce

2959
01:59:33,350 --> 01:59:31,280
and that immediately reopens the valve

2960
01:59:35,990 --> 01:59:33,360
and then the water actually exits the

2961
01:59:38,310 --> 01:59:36,000
valve so that wave comes back down

2962
01:59:41,030 --> 01:59:38,320
it's just physics

2963
01:59:42,870 --> 01:59:41,040

okay so i'm just showing it's showing

2964
01:59:44,550 --> 01:59:42,880
this

2965
01:59:47,189 --> 01:59:44,560
it's like a sine wave it's a compression

2966
01:59:48,950 --> 01:59:47,199
wave with a rarefaction thereafter

2967
01:59:50,629 --> 01:59:48,960
running up this pipe

2968
01:59:52,470 --> 01:59:50,639
so that's showing the valve and it's a

2969
01:59:54,629 --> 01:59:52,480
very simple mechanism

2970
01:59:56,229 --> 01:59:54,639
it works great

2971
01:59:57,589 --> 01:59:56,239
okay next one

2972
02:00:00,070 --> 01:59:57,599
slide from the guy

2973
02:00:02,070 --> 02:00:00,080
and the guy with the sperm

2974
02:00:03,510 --> 02:00:02,080
he's like wants black russian terriers

2975
02:00:04,550 --> 02:00:03,520
to reproduce

2976
02:00:06,870 --> 02:00:04,560
there we go

2977
02:00:08,870 --> 02:00:06,880
oh this should be in here um this is

2978
02:00:11,669 --> 02:00:08,880
supposed to be a beautiful part but

2979
02:00:13,189 --> 02:00:11,679
this is just edward kunkel's book the

2980
02:00:16,070 --> 02:00:13,199
pharaoh's pop and what i did was

2981
02:00:18,550 --> 02:00:16,080
actually x'd out all the shit's wrong

2982
02:00:22,070 --> 02:00:18,560
because i had to rethink it all

2983
02:00:24,390 --> 02:00:22,080
you can just kind of cruise through that

2984
02:00:26,149 --> 02:00:24,400
that was just

2985
02:00:28,390 --> 02:00:26,159
proof of error

2986
02:00:29,750 --> 02:00:28,400
the [\h__\h] i deleted

2987
02:00:34,709 --> 02:00:29,760
i mean he was

2988
02:00:39,589 --> 02:00:36,470

all right next slide

2989
02:00:40,870 --> 02:00:39,599
next slide slide for mike

2990
02:00:41,830 --> 02:00:40,880
if there's some pharaoh's pups you can

2991
02:00:43,189 --> 02:00:41,840
just kind of

2992
02:00:45,350 --> 02:00:43,199
keep going forward

2993
02:00:47,350 --> 02:00:45,360
it's my notations

2994
02:00:51,990 --> 02:00:47,360
rights and wrongs with arrows and

2995
02:00:55,669 --> 02:00:53,750
when you start with somebody's work and

2996
02:00:59,189 --> 02:00:55,679
you assume they're right it really

2997
02:01:01,830 --> 02:00:59,199
messes you up well and stalls

2998
02:01:04,149 --> 02:01:01,840
and questions all of it and that's what

2999
02:01:07,030 --> 02:01:04,159
happened when the pump didn't work

3000
02:01:09,990 --> 02:01:07,040
like oh crap

3001
02:01:13,109 --> 02:01:11,669
okay you just keep going

3002
02:01:14,790 --> 02:01:13,119
there'll be a there's just a few of

3003
02:01:22,470 --> 02:01:14,800
these pages

3004
02:01:27,430 --> 02:01:25,430
this is uh there's an air cushion

3005
02:01:30,149 --> 02:01:27,440
yeah see that was that was a problem

3006
02:01:32,390 --> 02:01:30,159
because i was going with air compression

3007
02:01:34,390 --> 02:01:32,400
chamber and that was a huge part of his

3008
02:01:37,270 --> 02:01:34,400
theory and it's wrong it does it's a

3009
02:01:38,950 --> 02:01:37,280
piece of [\h__\h] with the air in it

3010
02:01:40,709 --> 02:01:38,960
so that's wrong

3011
02:01:44,149 --> 02:01:40,719
but when you start with somebody's work

3012
02:01:45,589 --> 02:01:44,159
that's wrong and assume it's right

3013
02:01:47,589 --> 02:01:45,599

it's tough

3014
02:01:50,229 --> 02:01:47,599
they'll keep me and keep going it was

3015
02:01:52,070 --> 02:01:50,239
right it's not it was not a fun time

3016
02:01:53,830 --> 02:01:52,080
slide 46

3017
02:01:57,270 --> 02:01:53,840
this is this is a lot more annotations

3018
02:01:59,669 --> 02:01:57,280
and a lot of more x's i'm seeing yeah it

3019
02:02:01,589 --> 02:01:59,679
explains that he actually was describing

3020
02:02:03,589 --> 02:02:01,599
two different pumps

3021
02:02:07,109 --> 02:02:03,599
is describing the lower pump as a

3022
02:02:10,229 --> 02:02:07,119
construction pump to just pump water by

3023
02:02:11,430 --> 02:02:10,239
a regular hydraulic pulse

3024
02:02:13,990 --> 02:02:11,440
hydraulic

3025
02:02:17,350 --> 02:02:14,000
ram pumps and then he starts going off

3026
02:02:19,030 --> 02:02:17,360
on another one where he's got

3027
02:02:21,189 --> 02:02:19,040
oh stuff up in the

3028
02:02:24,470 --> 02:02:21,199
fire up in the upper chambers which

3029
02:02:26,470 --> 02:02:24,480
creates a vacuum to allow water to go

3030
02:02:27,910 --> 02:02:26,480
basically in the wrong direction

3031
02:02:32,550 --> 02:02:27,920
and

3032
02:02:36,229 --> 02:02:32,560
then shoot out one of the shafts is it

3033
02:02:38,229 --> 02:02:36,239
king's chamber first giant sprinkler

3034
02:02:41,030 --> 02:02:38,239
or something

3035
02:02:43,990 --> 02:02:41,040
okay slide 46 okay

3036
02:02:52,390 --> 02:02:46,550
probably another one yeah just exit you

3037
02:02:57,669 --> 02:02:53,990
this one's going to be completely extra

3038
02:02:58,550 --> 02:02:57,679

slide 47 is one giant x so slide 48 more

3039
02:03:02,070 --> 02:02:58,560
x's

3040
02:03:04,390 --> 02:03:02,080
slide 49. there we go okay this is my

3041
02:03:07,350 --> 02:03:04,400
this shows what's at the bottom of the

3042
02:03:08,709 --> 02:03:07,360
pin and this is really important

3043
02:03:11,109 --> 02:03:08,719
this is

3044
02:03:14,870 --> 02:03:11,119
i i couldn't like

3045
02:03:17,109 --> 02:03:14,880
emphasize how important this is

3046
02:03:19,830 --> 02:03:17,119
this tunnel going down

3047
02:03:22,149 --> 02:03:19,840
the pit that 45 degree offset

3048
02:03:23,510 --> 02:03:22,159
but they did

3049
02:03:26,470 --> 02:03:23,520
if you're smart you would put a

3050
02:03:28,390 --> 02:03:26,480
reflective elbow which is different than

3051
02:03:32,070 --> 02:03:28,400
just a water fluid

3052
02:03:33,830 --> 02:03:32,080
elbow and it would uh

3053
02:03:36,870 --> 02:03:33,840
when that shock wave

3054
02:03:38,950 --> 02:03:36,880
came up it would reflect off of it

3055
02:03:41,350 --> 02:03:38,960
and then instead of the

3056
02:03:44,070 --> 02:03:41,360
wave being all diffracted you'd still

3057
02:03:47,750 --> 02:03:44,080
have a sound wave or a shock wave

3058
02:03:48,870 --> 02:03:47,760
which was consistent in frequency

3059
02:03:52,229 --> 02:03:48,880
and

3060
02:03:53,589 --> 02:03:52,239
that shows proof that the

3061
02:03:55,430 --> 02:03:53,599
what's at the bottom of the pit that

3062
02:03:58,070 --> 02:03:55,440
they haven't found yet but also that

3063
02:03:59,430 --> 02:03:58,080

it's aligned with the exit tunnel

3064
02:04:01,669 --> 02:03:59,440
so that

3065
02:04:03,430 --> 02:04:01,679
and so the red arrow at the top is like

3066
02:04:06,470 --> 02:04:03,440
screaming

3067
02:04:09,990 --> 02:04:06,480
this points to the waist gate

3068
02:04:11,669 --> 02:04:10,000
nobody's got it yet

3069
02:04:14,310 --> 02:04:11,679
and then the bottom wants a fluid elbow

3070
02:04:17,109 --> 02:04:14,320
as and if you put sound through that you

3071
02:04:18,950 --> 02:04:17,119
just get a scattered bunch of

3072
02:04:22,149 --> 02:04:18,960
it reduces the pressure

3073
02:04:24,790 --> 02:04:22,159
no egyptian turning veins

3074
02:04:27,109 --> 02:04:24,800
shockwave but you'd have good fluid flow

3075
02:04:28,390 --> 02:04:27,119
but it's not a it's not a fluid elbow

3076
02:04:31,350 --> 02:04:28,400
this is not a

3077
02:04:32,870 --> 02:04:31,360
a water dynamic uh

3078
02:04:36,390 --> 02:04:32,880
uh aspect

3079
02:04:42,470 --> 02:04:38,550
let me go to the next one okay this is

3080
02:04:47,589 --> 02:04:44,790
that's just the pit and it just shows

3081
02:04:49,430 --> 02:04:47,599
exactly where it goes

3082
02:04:52,390 --> 02:04:49,440
okay we've got just everyone in there

3083
02:04:55,430 --> 02:04:52,400
we've got one two three four five the

3084
02:04:57,189 --> 02:04:55,440
other ones are six are

3085
02:04:59,189 --> 02:04:57,199
insignificant i think

3086
02:05:03,910 --> 02:04:59,199
i think the next one's good okay so this

3087
02:05:08,149 --> 02:05:05,910
okay there it is there's the compression

3088
02:05:10,390 --> 02:05:08,159

wave

3089
02:05:13,030 --> 02:05:10,400
shooting towards the king and queen's

3090
02:05:14,709 --> 02:05:13,040
chamber now they're offset

3091
02:05:17,990 --> 02:05:14,719
to allow

3092
02:05:18,830 --> 02:05:18,000
the shock wave to hit both

3093
02:05:20,709 --> 02:05:18,840
there it

3094
02:05:23,910 --> 02:05:20,719
is

3095
02:05:26,950 --> 02:05:23,920
okay and slide 51.

3096
02:05:28,950 --> 02:05:26,960
that's it slide 51's actor actually dr

3097
02:05:35,430 --> 02:05:28,960
jack plays

3098
02:05:40,149 --> 02:05:37,830
51 there we go without crashing yeah

3099
02:05:41,990 --> 02:05:40,159
this is so so important because this is

3100
02:05:42,790 --> 02:05:42,000
the guy that invented this stuff came

3101
02:05:45,109 --> 02:05:42,800
here

3102
02:05:47,510 --> 02:05:45,119
with chris doug i invited him and he

3103
02:05:49,030 --> 02:05:47,520
came here they said okay this got two

3104
02:05:50,870 --> 02:05:49,040
different things you got going on

3105
02:05:53,189 --> 02:05:50,880
they've got

3106
02:05:56,669 --> 02:05:53,199
they got increased drilling rates by

3107
02:05:58,629 --> 02:05:56,679
using the the hydraulic pulse and the

3108
02:06:01,430 --> 02:05:58,639
rarefaction wave

3109
02:06:04,470 --> 02:06:01,440
rarefaction extremely low pressure you

3110
02:06:08,229 --> 02:06:04,480
got 5000 feet under the water

3111
02:06:10,709 --> 02:06:08,239
you've got extremely compressed shale

3112
02:06:13,430 --> 02:06:10,719
if you put low pressure there it makes

3113
02:06:14,550 --> 02:06:13,440

it chip off just like just like the

3114
02:06:16,550 --> 02:06:14,560
ceiling

3115
02:06:19,109 --> 02:06:16,560
of the great pyramid

3116
02:06:21,510 --> 02:06:19,119
so what they did here also

3117
02:06:23,430 --> 02:06:21,520
the cool thing that he did

3118
02:06:25,990 --> 02:06:23,440
because i just typed in hydraulic pulse

3119
02:06:28,550 --> 02:06:26,000
training and came across this

3120
02:06:31,830 --> 02:06:28,560
was they could send they stopped the

3121
02:06:34,149 --> 02:06:31,840
drilling without taking the drill out

3122
02:06:38,069 --> 02:06:34,159
and they'd send pulses down

3123
02:06:39,669 --> 02:06:38,079
that 5000 foot shaft because it's

3124
02:06:42,149 --> 02:06:39,679
very it's very

3125
02:06:45,030 --> 02:06:42,159
conducive for that it sends a shock wave

3126
02:06:47,669 --> 02:06:45,040
down to the bottom of the drill rig

3127
02:06:49,589 --> 02:06:47,679
and they've got the geophones out on the

3128
02:06:52,390 --> 02:06:49,599
side and they can tell what's ahead

3129
02:06:55,910 --> 02:06:52,400
without sending other

3130
02:06:56,830 --> 02:06:55,920
you know tele formations ad

3131
02:07:00,470 --> 02:06:56,840
absolutely

3132
02:07:02,709 --> 02:07:00,480
brilliant but that is that is the

3133
02:07:05,109 --> 02:07:02,719
great pyramids line that's the shock

3134
02:07:06,069 --> 02:07:05,119
wave going down the line

3135
02:07:08,470 --> 02:07:06,079
and

3136
02:07:10,830 --> 02:07:08,480
being transferred to the rock ahead

3137
02:07:15,030 --> 02:07:10,840
which would be the great pyramids

3138
02:07:18,069 --> 02:07:15,040

core that's it okay and it's

3139
02:07:19,030 --> 02:07:18,079
a proof of concept

3140
02:07:20,990 --> 02:07:19,040
all right

3141
02:07:23,109 --> 02:07:21,000
so next would be

3142
02:07:27,669 --> 02:07:23,119
52. well that's the

3143
02:07:28,629 --> 02:07:27,679
model i said to to uh stephen myers

3144
02:07:30,790 --> 02:07:28,639
this is

3145
02:07:32,550 --> 02:07:30,800
something

3146
02:07:34,950 --> 02:07:32,560
out all right

3147
02:07:38,149 --> 02:07:34,960
okay so

3148
02:07:40,950 --> 02:07:38,159
so slide 53 is

3149
02:07:42,950 --> 02:07:40,960
seems to be one of the outsiders

3150
02:07:44,950 --> 02:07:42,960
it's from the eastern side of the

3151
02:07:47,430 --> 02:07:44,960
pyramid and there's

3152
02:07:49,830 --> 02:07:47,440
this is from chris dunn's site

3153
02:07:51,589 --> 02:07:49,840
and it's somebody else's pictures but

3154
02:07:53,750 --> 02:07:51,599
there's shafts there and then there's a

3155
02:07:54,950 --> 02:07:53,760
metal plate on the right hand side which

3156
02:07:57,109 --> 02:07:54,960
covers the shaft that goes under the

3157
02:07:59,750 --> 02:07:57,119
great pyramid so these are things that

3158
02:08:01,510 --> 02:07:59,760
aren't normally noted

3159
02:08:03,750 --> 02:08:01,520
um

3160
02:08:04,870 --> 02:08:03,760
but there's three pictures of the shafts

3161
02:08:06,390 --> 02:08:04,880
themselves

3162
02:08:08,390 --> 02:08:06,400
garbage

3163
02:08:11,350 --> 02:08:08,400

just for

3164
02:08:13,350 --> 02:08:11,360
isis i3 i searched

3165
02:08:15,030 --> 02:08:13,360
and and is

3166
02:08:17,189 --> 02:08:15,040
very interesting and i'm not sure what

3167
02:08:19,990 --> 02:08:17,199
to make of it

3168
02:08:24,790 --> 02:08:20,000
could have been input i i don't know

3169
02:08:26,950 --> 02:08:24,800
i'm going to go into the slide 54.

3170
02:08:28,629 --> 02:08:26,960
so those those are from uh

3171
02:08:30,870 --> 02:08:28,639
gizapower.com

3172
02:08:32,550 --> 02:08:30,880
chris dunn site that's a lot more on the

3173
02:08:34,310 --> 02:08:32,560
right-hand side there

3174
02:08:37,430 --> 02:08:34,320
yeah people just toss their [\h__\h] and

3175
02:08:38,950 --> 02:08:37,440
that's not cool not cool

3176
02:08:42,229 --> 02:08:38,960
so there's lots of stuff that's not

3177
02:08:45,910 --> 02:08:43,910
and we're not

3178
02:08:47,270 --> 02:08:45,920
for somebody's exploring they put metal

3179
02:08:50,870 --> 02:08:47,280
plates to cover

3180
02:08:52,470 --> 02:08:50,880
and slide 55 or sorry slide 54.

3181
02:08:55,990 --> 02:08:52,480
what the hell is this

3182
02:08:57,109 --> 02:08:56,000
oh that's just the carolina bays all the

3183
02:08:58,149 --> 02:08:57,119
um

3184
02:09:01,030 --> 02:08:58,159
end of the

3185
02:09:02,390 --> 02:09:01,040
ice age impacts or later comet impact

3186
02:09:04,709 --> 02:09:02,400
randall carlson we've had them on a

3187
02:09:07,189 --> 02:09:04,719
couple of times yeah

3188
02:09:08,870 --> 02:09:07,199

yeah so that's a just a nice old photo

3189
02:09:09,990 --> 02:09:08,880
which before they started messing with

3190
02:09:11,430 --> 02:09:10,000
it too much

3191
02:09:13,510 --> 02:09:11,440
sorry and this is i think that's the end

3192
02:09:16,149 --> 02:09:13,520
of the uh

3193
02:09:17,589 --> 02:09:16,159
that's it let's see that's it

3194
02:09:19,030 --> 02:09:17,599
that's it that's it

3195
02:09:21,270 --> 02:09:19,040
okay so i'm sorry

3196
02:09:22,709 --> 02:09:21,280
that was a slideshow

3197
02:09:24,390 --> 02:09:22,719
well that that's the type of show we

3198
02:09:26,950 --> 02:09:24,400
normally do on here

3199
02:09:28,629 --> 02:09:26,960
uh let's say co-host uh

3200
02:09:30,550 --> 02:09:28,639
write screen no

3201
02:09:31,910 --> 02:09:30,560
go to the best thing

3202
02:09:34,790 --> 02:09:31,920
one of the coolest things actually

3203
02:09:38,870 --> 02:09:34,800
seeing what kevin bomber did on his

3204
02:09:41,270 --> 02:09:38,880
area on the cgi and the fluid flows is

3205
02:09:42,870 --> 02:09:41,280
he he hit his spot on and we really

3206
02:09:45,430 --> 02:09:42,880
worked hard on it

3207
02:09:49,030 --> 02:09:45,440
um and he isn't done

3208
02:09:53,750 --> 02:09:50,870
waited 15 years for somebody to do

3209
02:09:57,669 --> 02:09:55,910
okay now now since we've been all

3210
02:09:58,870 --> 02:09:57,679
through through all of this and we've

3211
02:10:01,189 --> 02:09:58,880
had a very good

3212
02:10:02,950 --> 02:10:01,199
explanation of the the general

3213
02:10:05,990 --> 02:10:02,960

uh you know inner workings of the

3214
02:10:07,990 --> 02:10:06,000
pyramid um

3215
02:10:09,270 --> 02:10:08,000
you know i i gotta i'm just gonna stop

3216
02:10:11,310 --> 02:10:09,280
sharing my screen with you here just to

3217
02:10:12,709 --> 02:10:11,320
be able to save some bandwidth uh

3218
02:10:15,589 --> 02:10:12,719
[Music]

3219
02:10:21,109 --> 02:10:15,599
there we go fantastic

3220
02:10:26,149 --> 02:10:22,950
what the hell is with you and stephen

3221
02:10:27,990 --> 02:10:26,159
meyer and why is it that thief because

3222
02:10:30,709 --> 02:10:28,000
you know if if you're if you're spouting

3223
02:10:32,950 --> 02:10:30,719
off in in uh if i could use that term in

3224
02:10:35,030 --> 02:10:32,960
in our youtube chat while we've got you

3225
02:10:36,390 --> 02:10:35,040
know uh a dudley who is a good

3226
02:10:37,830 --> 02:10:36,400
abstaining gentleman and he's got his

3227
02:10:39,430 --> 02:10:37,840
own presentation on

3228
02:10:41,430 --> 02:10:39,440
and you said something inflammatory

3229
02:10:42,950 --> 02:10:41,440
enough to take over the show now it's

3230
02:10:45,270 --> 02:10:42,960
your show

3231
02:10:47,109 --> 02:10:45,280
and you're our guest and we love our

3232
02:10:50,229 --> 02:10:47,119
guests no matter who they are what the

3233
02:10:56,629 --> 02:10:52,550
you know it's it was it was an

3234
02:10:59,750 --> 02:10:56,639
interesting time um like 1999-2000

3235
02:11:02,149 --> 02:10:59,760
now stephen myers he actually got um

3236
02:11:05,430 --> 02:11:02,159
he got the rights to reproduce the

3237
02:11:07,109 --> 02:11:05,440
pharaoh's pump that book uh

3238
02:11:08,390 --> 02:11:07,119

which you know bless bless your heart

3239
02:11:11,109 --> 02:11:08,400
stephen

3240
02:11:11,990 --> 02:11:11,119
and uh and so he had a site

3241
02:11:15,750 --> 02:11:12,000
uh

3242
02:11:19,990 --> 02:11:15,760
the pump org or something

3243
02:11:21,990 --> 02:11:20,000
and the thing is at 1999 and 2000 i was

3244
02:11:24,149 --> 02:11:22,000
uh off grid

3245
02:11:25,189 --> 02:11:24,159
and so anytime i wanted to do any sort

3246
02:11:26,950 --> 02:11:25,199
of

3247
02:11:28,629 --> 02:11:26,960
research that wasn't in the book or i

3248
02:11:31,430 --> 02:11:28,639
wanted to put something out

3249
02:11:33,750 --> 02:11:31,440
because i'm i'm not a web

3250
02:11:35,109 --> 02:11:33,760
page guy or i don't have sites and stuff

3251
02:11:36,470 --> 02:11:35,119
basically

3252
02:11:38,310 --> 02:11:36,480
uh

3253
02:11:39,990 --> 02:11:38,320
you know i

3254
02:11:42,069 --> 02:11:40,000
i had beef with him originally because

3255
02:11:43,750 --> 02:11:42,079
he was like going into my emails and

3256
02:11:46,470 --> 02:11:43,760
spamming my uh

3257
02:11:48,149 --> 02:11:46,480
people on my address book

3258
02:11:49,669 --> 02:11:48,159
not cool

3259
02:11:52,229 --> 02:11:49,679
um

3260
02:11:57,270 --> 02:11:54,149
i'm a forgiving guy

3261
02:11:58,390 --> 02:11:57,280
so i i like hey man you know i sent him

3262
02:12:03,830 --> 02:11:58,400
a

3263
02:12:04,870 --> 02:12:03,840

one model did try to help out his work

3264
02:12:07,030 --> 02:12:04,880
he was

3265
02:12:08,310 --> 02:12:07,040
having problems

3266
02:12:11,189 --> 02:12:08,320
yeah okay

3267
02:12:12,790 --> 02:12:11,199
and then in 2000 i actually get the

3268
02:12:15,109 --> 02:12:12,800
model working i

3269
02:12:16,950 --> 02:12:15,119
you know the epiphany moment

3270
02:12:18,470 --> 02:12:16,960
last moments of the

3271
02:12:21,589 --> 02:12:18,480
millennia

3272
02:12:24,069 --> 02:12:21,599
and that thing runs on april 3rd of 2000

3273
02:12:25,510 --> 02:12:24,079
just works great

3274
02:12:26,470 --> 02:12:25,520
right off the bat

3275
02:12:29,750 --> 02:12:26,480
and it

3276
02:12:30,629 --> 02:12:29,760
completely aligns with chris dunn's work

3277
02:12:32,790 --> 02:12:30,639
um

3278
02:12:35,189 --> 02:12:32,800
who has suggested that there was a

3279
02:12:37,189 --> 02:12:35,199
machine that's missing

3280
02:12:41,910 --> 02:12:37,199
from the subterranean chamber

3281
02:12:45,270 --> 02:12:41,920
which sent a priming pulse upwards

3282
02:12:46,390 --> 02:12:45,280
uh to cause resonation within the king's

3283
02:12:47,430 --> 02:12:46,400
chamber

3284
02:12:50,550 --> 02:12:47,440
and to

3285
02:12:52,629 --> 02:12:50,560
cause it to resonate in conjunction with

3286
02:12:55,430 --> 02:12:52,639
possibly the other pyramids

3287
02:12:56,870 --> 02:12:55,440
that would cause a coupled oscillator

3288
02:13:00,550 --> 02:12:56,880

the pyramid

3289
02:13:05,030 --> 02:13:00,560
to the earth itself to the earth plate

3290
02:13:08,950 --> 02:13:05,750
or

3291
02:13:13,189 --> 02:13:11,750
earth vibration

3292
02:13:14,790 --> 02:13:13,199
uh

3293
02:13:17,030 --> 02:13:14,800
so it ran

3294
02:13:19,350 --> 02:13:17,040
and then the book is

3295
02:13:21,270 --> 02:13:19,360
richard news book five five two thousand

3296
02:13:23,350 --> 02:13:21,280
so this is april third two thousand

3297
02:13:25,030 --> 02:13:23,360
let's get down to that era

3298
02:13:27,589 --> 02:13:25,040
and i'm going you know i'd like to get

3299
02:13:29,109 --> 02:13:27,599
this work out even though i'm saying

3300
02:13:30,790 --> 02:13:29,119
your stuff's wrong and here's how it

3301
02:13:32,149 --> 02:13:30,800
works

3302
02:13:33,750 --> 02:13:32,159
being cool

3303
02:13:36,550 --> 02:13:33,760
being really cool about this stuff

3304
02:13:38,149 --> 02:13:36,560
sharing open share source

3305
02:13:40,870 --> 02:13:38,159
and i'm on giza

3306
02:13:43,430 --> 02:13:40,880
i'm on on the giza pyramid which is a

3307
02:13:45,750 --> 02:13:43,440
great pyramid is a research association

3308
02:13:46,550 --> 02:13:45,760
so i've got an article on there and i've

3309
02:13:48,390 --> 02:13:46,560
i'm

3310
02:13:50,229 --> 02:13:48,400
getting a little bit established but it

3311
02:13:51,750 --> 02:13:50,239
doesn't get out there he still hasn't

3312
02:13:54,310 --> 02:13:51,760
got out there

3313
02:13:57,189 --> 02:13:54,320

and so he's got the book and a site and

3314
02:13:58,390 --> 02:13:57,199
all this stuff he's fundraising for

3315
02:14:02,149 --> 02:13:58,400
whatever

3316
02:14:04,629 --> 02:14:02,159
foot barrels 55 gallon blue plastic

3317
02:14:09,109 --> 02:14:04,639
barrels on this garage roof and do a

3318
02:14:13,350 --> 02:14:11,189
i said hey you know let's

3319
02:14:15,350 --> 02:14:13,360
let's let's work together

3320
02:14:19,669 --> 02:14:15,360
i've got part of it

3321
02:14:22,229 --> 02:14:19,679
and between you having a site and access

3322
02:14:23,990 --> 02:14:22,239
and me let's just work together and put

3323
02:14:25,589 --> 02:14:24,000
something out

3324
02:14:27,350 --> 02:14:25,599
you know

3325
02:14:29,510 --> 02:14:27,360
i'm i'm not a

3326
02:14:31,109 --> 02:14:29,520
sort of guy i wasn't asking for anything

3327
02:14:33,430 --> 02:14:31,119
just let's work together

3328
02:14:36,069 --> 02:14:33,440
no no i'm just going to go out on my own

3329
02:14:38,550 --> 02:14:36,079
and continue on my own and uh thank you

3330
02:14:41,189 --> 02:14:38,560
for all the information

3331
02:14:43,109 --> 02:14:41,199
okay well you're prick okay

3332
02:14:46,550 --> 02:14:43,119
again i should have known i should have

3333
02:14:48,870 --> 02:14:46,560
known uh uh you know a norwegian thing

3334
02:14:51,350 --> 02:14:48,880
and uh

3335
02:14:53,270 --> 02:14:51,360
august comes around

3336
02:14:54,550 --> 02:14:53,280
he writes me he says

3337
02:14:57,270 --> 02:14:54,560
look

3338
02:14:58,870 --> 02:14:57,280

i'm so excited i've got

3339
02:15:01,510 --> 02:14:58,880
i gotta run by

3340
02:15:03,430 --> 02:15:01,520
my model of the sub chamber and his

3341
02:15:05,350 --> 02:15:03,440
model doesn't have output so it's all

3342
02:15:06,390 --> 02:15:05,360
just slamming down in there

3343
02:15:12,390 --> 02:15:06,400
it's a

3344
02:15:14,310 --> 02:15:12,400
but 24 bottle now i know how much

3345
02:15:15,669 --> 02:15:14,320
pressure and what stuff i've blown up on

3346
02:15:17,189 --> 02:15:15,679
my models you know

3347
02:15:19,750 --> 02:15:17,199
i blew up a

3348
02:15:20,470 --> 02:15:19,760
you know concrete one and a

3349
02:15:25,189 --> 02:15:20,480
uh

3350
02:15:27,350 --> 02:15:25,199
they just destroyed them

3351
02:15:29,990 --> 02:15:27,360
and going oh my god this is

3352
02:15:32,550 --> 02:15:30,000
it's made out of plywood and drywall

3353
02:15:36,550 --> 02:15:32,560
screws with some tupperware

3354
02:15:38,390 --> 02:15:36,560
inserts for the thin step thing this is

3355
02:15:39,510 --> 02:15:38,400
this is body

3356
02:15:44,470 --> 02:15:39,520
okay

3357
02:15:46,709 --> 02:15:44,480
gonna have to reinforce that because

3358
02:15:48,229 --> 02:15:46,719
it's gonna it's gonna do something wild

3359
02:15:53,109 --> 02:15:48,239
and

3360
02:15:55,270 --> 02:15:53,119
so you

3361
02:15:57,910 --> 02:15:55,280
so i just wrote i just

3362
02:16:00,950 --> 02:15:57,920
had enough and he's just

3363
02:16:01,910 --> 02:16:00,960

writing some really stupid stuff and

3364
02:16:03,189 --> 02:16:01,920
sorry

3365
02:16:07,589 --> 02:16:03,199
okay well

3366
02:16:09,430 --> 02:16:07,599
click your ruby rev slippers together

3367
02:16:11,669 --> 02:16:09,440
you know

3368
02:16:13,510 --> 02:16:11,679
and uh he didn't write me for three

3369
02:16:16,629 --> 02:16:13,520
months and he said yeah it failed it

3370
02:16:20,069 --> 02:16:18,470
of course it did

3371
02:16:21,910 --> 02:16:20,079
what would screws and splinters

3372
02:16:24,229 --> 02:16:21,920
everywhere

3373
02:16:25,750 --> 02:16:24,239
oh yeah it was a it was just asking you

3374
02:16:28,149 --> 02:16:25,760
know put that

3375
02:16:29,270 --> 02:16:28,159
that pressure in there i wish i had i'm

3376
02:16:31,350 --> 02:16:29,280
sure he did a video and it would have

3377
02:16:33,669 --> 02:16:31,360
been just it's one of those youtube

3378
02:16:34,950 --> 02:16:33,679
viral idiot moments

3379
02:16:36,950 --> 02:16:34,960
well

3380
02:16:38,230 --> 02:16:36,960
stephen

3381
02:16:42,790 --> 02:16:38,240
to you

3382
02:16:47,990 --> 02:16:45,429
okay okay so

3383
02:16:50,950 --> 02:16:48,000
jump jumping back here for a second you

3384
02:16:53,509 --> 02:16:50,960
mentioned uh kevin ballmer i think was

3385
02:16:57,750 --> 02:16:53,519
the name and he's working oh my god cgi

3386
02:17:00,870 --> 02:16:57,760
of uh fluid flows or something uh yes

3387
02:17:03,750 --> 02:17:00,880
yes he actually um

3388
02:17:07,349 --> 02:17:03,760

shout out to rob arnold um he

3389
02:17:10,790 --> 02:17:07,359
he put us in contact because

3390
02:17:13,270 --> 02:17:10,800
kevin bomber had done cgi

3391
02:17:14,469 --> 02:17:13,280
for the serial

3392
02:17:16,950 --> 02:17:14,479
generator

3393
02:17:18,549 --> 02:17:16,960
brilliant cgi work

3394
02:17:19,910 --> 02:17:18,559
um

3395
02:17:21,830 --> 02:17:19,920
and so

3396
02:17:23,509 --> 02:17:21,840
i said well you know maybe we can work

3397
02:17:25,990 --> 02:17:23,519
together on this and put something

3398
02:17:27,429 --> 02:17:26,000
together and i'll work together

3399
02:17:29,589 --> 02:17:27,439
i'll help you give you all the

3400
02:17:31,669 --> 02:17:29,599
information in

3401
02:17:34,549 --> 02:17:31,679
and he's in uh originally from boulder

3402
02:17:38,950 --> 02:17:34,559
colorado but now he's down in

3403
02:17:41,429 --> 02:17:38,960
southern mexico down by uh belize or

3404
02:17:42,629 --> 02:17:41,439
down by a pyramid down there

3405
02:17:46,469 --> 02:17:42,639
um

3406
02:17:47,270 --> 02:17:46,479
just a really cool grounded graphics cgi

3407
02:17:48,469 --> 02:17:47,280
guy

3408
02:17:50,309 --> 02:17:48,479
okay um

3409
02:17:53,110 --> 02:17:50,319
so we worked on it

3410
02:17:56,950 --> 02:17:53,120
and his last one he's got

3411
02:17:58,790 --> 02:17:56,960
all the fluid flows in there correct

3412
02:18:02,469 --> 02:17:58,800
on the steps

3413
02:18:04,070 --> 02:18:02,479

uh he's got the fibonacci spiral vortex

3414
02:18:05,110 --> 02:18:04,080
thrown in there

3415
02:18:07,429 --> 02:18:05,120
um

3416
02:18:09,110 --> 02:18:07,439
his visions for things to come on that

3417
02:18:10,950 --> 02:18:09,120
are just

3418
02:18:14,070 --> 02:18:10,960
i mean i'm excited

3419
02:18:18,070 --> 02:18:16,469
once you see it in cgi you know it's

3420
02:18:18,950 --> 02:18:18,080
right

3421
02:18:22,309 --> 02:18:18,960
as

3422
02:18:24,549 --> 02:18:22,319
brilliant works i'm i shared that on my

3423
02:18:26,709 --> 02:18:24,559
my facebook and i'm pretty sure that i

3424
02:18:28,469 --> 02:18:26,719
have it on my youtube

3425
02:18:29,509 --> 02:18:28,479
it's been trying to share as much as

3426
02:18:31,429 --> 02:18:29,519
possible

3427
02:18:32,950 --> 02:18:31,439
it's a short clip and he's doing the

3428
02:18:35,349 --> 02:18:32,960
upper part

3429
02:18:36,549 --> 02:18:35,359
him and um

3430
02:18:38,549 --> 02:18:36,559
doug are

3431
02:18:40,549 --> 02:18:38,559
working on the model of the upper part

3432
02:18:42,790 --> 02:18:40,559
to sharing data

3433
02:18:45,750 --> 02:18:42,800
that started yesterday so

3434
02:18:47,910 --> 02:18:45,760
this is current stuff

3435
02:18:48,790 --> 02:18:47,920
and it's really exciting well exciting

3436
02:18:50,629 --> 02:18:48,800
time

3437
02:18:51,990 --> 02:18:50,639
now

3438
02:18:53,270 --> 02:18:52,000

with all the exciting times that are

3439
02:18:54,389 --> 02:18:53,280
going on what what is the current

3440
02:18:56,870 --> 02:18:54,399
projects that you're working on right

3441
02:18:59,110 --> 02:18:56,880
now like what i see on your facebook

3442
02:19:01,270 --> 02:18:59,120
page you've got some crate and again i

3443
02:19:03,509 --> 02:19:01,280
may be wrong because i i i've got this

3444
02:19:06,230 --> 02:19:03,519
bad habit of not checking the dates

3445
02:19:07,589 --> 02:19:06,240
when photos are actually published uh

3446
02:19:09,509 --> 02:19:07,599
what have you got working on in the

3447
02:19:11,030 --> 02:19:09,519
woods out there

3448
02:19:13,349 --> 02:19:11,040
oh

3449
02:19:14,309 --> 02:19:13,359
completely separate project okay there's

3450
02:19:31,270 --> 02:19:14,319
a

3451
02:19:33,349 --> 02:19:31,280
um they just kind of

3452
02:19:36,790 --> 02:19:33,359
dug the trench

3453
02:19:37,910 --> 02:19:36,800
ended the 220 out the line bear and then

3454
02:19:39,589 --> 02:19:37,920
there's

3455
02:19:41,190 --> 02:19:39,599
wells

3456
02:19:43,030 --> 02:19:41,200
and

3457
02:19:45,669 --> 02:19:43,040
kind of did a bunch of some temporary

3458
02:19:50,550 --> 02:19:45,679
stuff on electrical connections

3459
02:19:53,110 --> 02:19:50,560
and so now i just did a com complex uh

3460
02:19:56,790 --> 02:19:53,120
you know a method of transferring

3461
02:19:57,990 --> 02:19:56,800
between two different well inputs and

3462
02:20:00,550 --> 02:19:58,000
um

3463
02:20:02,710 --> 02:20:00,560

being able to split water sources and

3464
02:20:05,349 --> 02:20:02,720
so those have nothing to do

3465
02:20:07,270 --> 02:20:05,359
with the the uh great pyramid pump it's

3466
02:20:09,190 --> 02:20:07,280
just a project i did

3467
02:20:10,710 --> 02:20:09,200
did it in a dog crate

3468
02:20:12,870 --> 02:20:10,720
but i did it i actually poured a

3469
02:20:15,830 --> 02:20:12,880
concrete underneath it so i dug it out

3470
02:20:17,910 --> 02:20:15,840
put the concrete slab it's gonna drain

3471
02:20:19,830 --> 02:20:17,920
out of it it's got actual

3472
02:20:21,910 --> 02:20:19,840
uh water lines and power lines

3473
02:20:25,429 --> 02:20:21,920
throughout it so it's done

3474
02:20:31,510 --> 02:20:25,439
you know it's very professional

3475
02:20:35,510 --> 02:20:33,590
one thing i did notice is that your your

3476
02:20:37,590 --> 02:20:35,520
web page

3477
02:20:40,070 --> 02:20:37,600
and again uh for danny if you're

3478
02:20:42,230 --> 02:20:40,080
listening to the show after the fact um

3479
02:20:45,990 --> 02:20:42,240
i can see the correlation

3480
02:20:47,349 --> 02:20:46,000
uh it's kind of piggybacking off of your

3481
02:20:49,510 --> 02:20:47,359
one of your passions for your family

3482
02:20:51,990 --> 02:20:49,520
which is um and this is going way off

3483
02:20:55,429 --> 02:20:52,000
tangent for what we normally do uh you

3484
02:20:56,469 --> 02:20:55,439
actually breed dogs if i'm not mistaken

3485
02:20:58,389 --> 02:20:56,479
yeah

3486
02:21:01,030 --> 02:20:58,399
puppies and pyramids

3487
02:21:05,429 --> 02:21:03,270
because the pyramid stuff is just you

3488
02:21:07,670 --> 02:21:05,439

just keep throwing money and effort at

3489
02:21:09,990 --> 02:21:07,680
it there's nothing i've never received

3490
02:21:11,590 --> 02:21:10,000
anything back from it i'm not asking for

3491
02:21:13,910 --> 02:21:11,600
it necessarily

3492
02:21:15,349 --> 02:21:13,920
um i'd like to do some really cool new

3493
02:21:16,710 --> 02:21:15,359
stuff though

3494
02:21:18,870 --> 02:21:16,720
using some

3495
02:21:22,309 --> 02:21:18,880
you know electronic fuel injection type

3496
02:21:24,630 --> 02:21:22,319
things or ink injectors and

3497
02:21:27,670 --> 02:21:24,640
and timing and different color inks and

3498
02:21:30,469 --> 02:21:27,680
actually doing

3499
02:21:32,790 --> 02:21:30,479
excellent captures especially when that

3500
02:21:34,230 --> 02:21:32,800
extreme pulse is going into the room is

3501
02:21:36,550 --> 02:21:34,240
i don't know what it does

3502
02:21:39,349 --> 02:21:36,560
and you can theorize all you want but

3503
02:21:41,110 --> 02:21:39,359
until you do it you don't know

3504
02:21:43,349 --> 02:21:41,120
and so that's a you know it's

3505
02:21:45,429 --> 02:21:43,359
not an expressive project but

3506
02:21:46,870 --> 02:21:45,439
i can't keep putting the bill

3507
02:21:48,469 --> 02:21:46,880
i mean i just don't have the money it's

3508
02:21:50,230 --> 02:21:48,479
online

3509
02:21:52,389 --> 02:21:50,240
um

3510
02:21:57,510 --> 02:21:52,399
it's like it's like so i've got black

3511
02:22:00,070 --> 02:21:57,520
russian terriers um i have imported dogs

3512
02:22:02,469 --> 02:22:00,080
one my latest cyrus from

3513
02:22:04,870 --> 02:22:02,479

st petersburg came over here

3514
02:22:07,429 --> 02:22:04,880
two months of age which is gorgeous

3515
02:22:09,830 --> 02:22:07,439
from a wonderful breeder over there

3516
02:22:12,469 --> 02:22:09,840
doesn't put out a lot of dogs but just a

3517
02:22:15,270 --> 02:22:12,479
great intelligent

3518
02:22:17,830 --> 02:22:15,280
russian speaking only person

3519
02:22:20,150 --> 02:22:17,840
we managed to get two puppies over here

3520
02:22:22,870 --> 02:22:20,160
a couple years ago from her

3521
02:22:24,950 --> 02:22:22,880
a challenge i got a really nice thought

3522
02:22:26,550 --> 02:22:24,960
from that no so i have

3523
02:22:28,870 --> 02:22:26,560
every once in a while and you know

3524
02:22:29,990 --> 02:22:28,880
they're rare and kind of expensive dogs

3525
02:22:31,190 --> 02:22:30,000
and

3526
02:22:33,030 --> 02:22:31,200
they guard

3527
02:22:35,670 --> 02:22:33,040
made by the russian military the red

3528
02:22:38,150 --> 02:22:35,680
star kennel during the cold war

3529
02:22:39,750 --> 02:22:38,160
and they make the russians they made

3530
02:22:41,429 --> 02:22:39,760
their own dog they're not going to take

3531
02:22:42,389 --> 02:22:41,439
you the german shepherd

3532
02:22:44,630 --> 02:22:42,399
so they

3533
02:22:45,910 --> 02:22:44,640
took giant schnauzer

3534
02:22:48,469 --> 02:22:45,920
rottweiler

3535
02:22:50,950 --> 02:22:48,479
and aired it out so you got cool rock

3536
02:22:52,469 --> 02:22:50,960
peppermint

3537
02:22:53,990 --> 02:22:52,479
have you thought about moving to boxers

3538
02:22:57,510 --> 02:22:54,000

at any point because we're we're

3539
02:22:59,990 --> 02:22:57,520
somewhat uh biased here

3540
02:23:01,590 --> 02:23:00,000
i don't i i i love them

3541
02:23:03,030 --> 02:23:01,600
but i don't want them

3542
02:23:05,030 --> 02:23:03,040
but they're too old for boxing they're

3543
02:23:08,309 --> 02:23:05,040
so goddamn adorable though

3544
02:23:11,670 --> 02:23:08,319
they are i agree completely i unlocked

3545
02:23:15,349 --> 02:23:11,680
boxers i had giant schnauzers and

3546
02:23:17,510 --> 02:23:15,359
a really nice german rod um

3547
02:23:20,710 --> 02:23:17,520
dry schnauzers

3548
02:23:22,950 --> 02:23:20,720
a lot of energy a lot of terrier i'm

3549
02:23:23,910 --> 02:23:22,960
too old for that stuff

3550
02:23:25,750 --> 02:23:23,920
um

3551
02:23:28,710 --> 02:23:25,760
he's a cool dog

3552
02:23:29,750 --> 02:23:28,720
now uh talking about cool dogs uh doug

3553
02:23:32,150 --> 02:23:29,760
you've been you've been hanging in the

3554
02:23:33,750 --> 02:23:32,160
winds for wings for quite some while uh

3555
02:23:35,030 --> 02:23:33,760
let's um

3556
02:23:36,870 --> 02:23:35,040
what do you got to add i can stop

3557
02:23:39,110 --> 02:23:36,880
talking now

3558
02:23:42,150 --> 02:23:39,120
oh i just said my dog is pretty much a

3559
02:23:44,830 --> 02:23:42,160
mutt a german shepherd on the top but a

3560
02:23:47,349 --> 02:23:44,840
basset down below well i i i

3561
02:23:48,630 --> 02:23:47,359
i was referring more towards the entire

3562
02:23:50,550 --> 02:23:48,640
conversation we had for the last two

3563
02:23:52,389 --> 02:23:50,560

hours but the pyramids but that's very

3564
02:23:54,630 --> 02:23:52,399
good well here's here's the thing and

3565
02:23:57,830 --> 02:23:54,640
i'm going to be quite honest we've got a

3566
02:24:00,230 --> 02:23:57,840
bram in in chat right now who is our

3567
02:24:02,710 --> 02:24:00,240
resident [\h__\h] disturber and we love bram

3568
02:24:03,910 --> 02:24:02,720
bram is awesome

3569
02:24:07,190 --> 02:24:03,920
he also want

3570
02:24:09,270 --> 02:24:07,200
uh uh omicron four seven three five i i

3571
02:24:12,150 --> 02:24:09,280
wasn't eating oh yeah no no well here

3572
02:24:13,030 --> 02:24:12,160
here's the thing like it's uh

3573
02:24:15,030 --> 02:24:13,040
and uh

3574
02:24:16,790 --> 02:24:15,040
sorry juan's just uh signing off juan

3575
02:24:18,550 --> 02:24:16,800
have yourself a wonderful night uh you

3576
02:24:20,710 --> 02:24:18,560
are a fantastic gentleman thank you very

3577
02:24:22,070 --> 02:24:20,720
much for joining us in uh but uh bram is

3578
02:24:24,070 --> 02:24:22,080
our resident [\h__\h] disturber he's been

3579
02:24:26,150 --> 02:24:24,080
one of our long time listeners and he

3580
02:24:28,230 --> 02:24:26,160
always comes in and asks me to be like

3581
02:24:30,790 --> 02:24:28,240
chris be more like art bell and less but

3582
02:24:32,550 --> 02:24:30,800
like george nori and i'm like well dude

3583
02:24:34,550 --> 02:24:32,560
i'm not either one of these guys and i

3584
02:24:36,550 --> 02:24:34,560
keep he says at every goddamn show so

3585
02:24:38,469 --> 02:24:36,560
i'm like okay he's gonna join us in on

3586
02:24:47,910 --> 02:24:38,479
chat at some point so i'm just gonna

3587
02:24:52,389 --> 02:24:50,469
i've gotten

3588
02:24:54,389 --> 02:24:52,399

stuff like that i i know well here's the

3589
02:24:57,190 --> 02:24:54,399
thing like brandon

3590
02:24:58,870 --> 02:24:57,200
survived a ton of that [\h__\h] back in 2000

3591
02:25:00,230 --> 02:24:58,880
i just stopped with them because they're

3592
02:25:03,030 --> 02:25:00,240
basically

3593
02:25:05,030 --> 02:25:03,040
you know they contribute nothing well

3594
02:25:06,790 --> 02:25:05,040
well bram's also somewhat of an engineer

3595
02:25:08,150 --> 02:25:06,800
but yeah he he's a former show host of

3596
02:25:11,110 --> 02:25:08,160
his own podcast and we're going to have

3597
02:25:13,110 --> 02:25:11,120
him on our uh if you contribute nothing

3598
02:25:16,389 --> 02:25:13,120
it doesn't matter

3599
02:25:21,590 --> 02:25:17,270
something

3600
02:25:24,150 --> 02:25:21,600
about too much maybe we can another show

3601
02:25:26,309 --> 02:25:24,160
would be the the resonant effect and the

3602
02:25:28,630 --> 02:25:26,319
acoustic effect sure i mean if it's if

3603
02:25:30,870 --> 02:25:28,640
you have this giant pulse generator and

3604
02:25:31,750 --> 02:25:30,880
it's creating a resonant uh effect in

3605
02:25:33,270 --> 02:25:31,760
these

3606
02:25:34,230 --> 02:25:33,280
upper cavities

3607
02:25:36,830 --> 02:25:34,240
uh

3608
02:25:39,670 --> 02:25:36,840
what are they doing with those you know

3609
02:25:41,270 --> 02:25:39,680
resonant sound waves uh how is that

3610
02:25:43,590 --> 02:25:41,280
affecting anything

3611
02:25:45,990 --> 02:25:43,600
so that's that now that there

3612
02:25:49,510 --> 02:25:46,000
that's past my part and that's up at

3613
02:25:54,389 --> 02:25:49,520

doug and chris dunn and there's a

3614
02:25:59,910 --> 02:25:57,910
pyramid of course my mind's speeding yes

3615
02:26:01,349 --> 02:25:59,920
it's critical i i can understand that

3616
02:26:04,790 --> 02:26:01,359
see like we we could talk about this on

3617
02:26:07,110 --> 02:26:04,800
the next show so we go to duck

3618
02:26:08,150 --> 02:26:07,120
dug

3619
02:26:12,469 --> 02:26:08,160
the only thing that i wanted to add

3620
02:26:15,190 --> 02:26:12,479
along here um was john's work was so

3621
02:26:17,110 --> 02:26:15,200
impressive um and that was before he

3622
02:26:18,870 --> 02:26:17,120
actually started to put tools on their

3623
02:26:21,190 --> 02:26:18,880
meters to actually measure the pressure

3624
02:26:23,590 --> 02:26:21,200
spike that he is he's detecting with his

3625
02:26:26,070 --> 02:26:23,600
his eighth scale um

3626
02:26:28,230 --> 02:26:26,080
i do those same calculations in the book

3627
02:26:30,469 --> 02:26:28,240
like we talked about on the earlier show

3628
02:26:32,469 --> 02:26:30,479
um and the calculations are right in the

3629
02:26:34,870 --> 02:26:32,479
exact same ballpark of the

3630
02:26:36,469 --> 02:26:34,880
of the results that he is measuring and

3631
02:26:37,990 --> 02:26:36,479
then scaling up i think there's a little

3632
02:26:39,349 --> 02:26:38,000
bit of friction that may not be being

3633
02:26:41,750 --> 02:26:39,359
accounted for

3634
02:26:43,990 --> 02:26:41,760
but it's like the difference between

3635
02:26:46,630 --> 02:26:44,000
basically 100 atmospheres but versus

3636
02:26:49,030 --> 02:26:46,640
about 300 or so it's right in the same

3637
02:26:49,990 --> 02:26:49,040
ballpark

3638
02:26:51,190 --> 02:26:50,000

thank you

3639
02:26:53,990 --> 02:26:51,200
now it's

3640
02:26:57,910 --> 02:26:54,000
you have to be able to replicate

3641
02:27:00,830 --> 02:26:57,920
um your your your work and that's that's

3642
02:27:04,309 --> 02:27:00,840
you know physics proof of concept stuff

3643
02:27:05,910 --> 02:27:04,319
yeah consistency no and the calculations

3644
02:27:08,389 --> 02:27:05,920
have to back it up at some point because

3645
02:27:10,630 --> 02:27:08,399
water is water water is the same as it

3646
02:27:13,270 --> 02:27:10,640
was for the builders as it is for us

3647
02:27:15,750 --> 02:27:13,280
today uh gravity is effectively the same

3648
02:27:17,429 --> 02:27:15,760
so the energy we're talking about is

3649
02:27:19,110 --> 02:27:17,439
is the same for us as it was for the

3650
02:27:20,790 --> 02:27:19,120
builders

3651
02:27:21,750 --> 02:27:20,800
now uh one question we got from youtube

3652
02:27:24,150 --> 02:27:21,760
chat and this is for both of you

3653
02:27:27,349 --> 02:27:24,160
gentlemen and this is from uh

3654
02:27:30,389 --> 02:27:27,359
from marca catsilano who is asking what

3655
02:27:35,349 --> 02:27:30,399
do you apply to your lives from learning

3656
02:27:38,950 --> 02:27:37,750
oh my because ancient egypt covers so

3657
02:27:42,389 --> 02:27:38,960
many things

3658
02:27:44,710 --> 02:27:42,399
are we talking dynastic are we talking

3659
02:27:46,150 --> 02:27:44,720
uh the pre-cataclysm

3660
02:27:48,389 --> 02:27:46,160
um

3661
02:27:49,990 --> 02:27:48,399
jeepers egypt is a greek word right so

3662
02:27:51,110 --> 02:27:50,000
are we talking about the greek view of

3663
02:27:56,790 --> 02:27:51,120

it

3664
02:27:59,590 --> 02:27:56,800
respect to history

3665
02:28:02,950 --> 02:28:01,270
i think his question is more i i think

3666
02:28:05,590 --> 02:28:02,960
his question is more along the lines of

3667
02:28:07,110 --> 02:28:05,600
uh um you know like the general idea of

3668
02:28:09,110 --> 02:28:07,120
like you know like what do you applaud

3669
02:28:11,270 --> 02:28:09,120
your lives in the general knowledge and

3670
02:28:13,349 --> 02:28:11,280
you're like for for us freemasons we

3671
02:28:15,670 --> 02:28:13,359
apply uh our working tools to our

3672
02:28:17,990 --> 02:28:15,680
everyday lives in a uh more of a kind of

3673
02:28:19,990 --> 02:28:18,000
like a metaphorical stance i have a

3674
02:28:22,150 --> 02:28:20,000
fantastic irrigation pyramid in my

3675
02:28:24,630 --> 02:28:22,160
backyard so yeah like you know for for

3676
02:28:26,790 --> 02:28:24,640
myself i i applied to my morals he

3677
02:28:29,510 --> 02:28:26,800
applies it to redoing his lawn in his

3678
02:28:32,230 --> 02:28:29,520
backyard like how how have you

3679
02:28:33,990 --> 02:28:32,240
changed your lives about while learning

3680
02:28:38,389 --> 02:28:34,000
like for the better in terms of uh while

3681
02:28:41,270 --> 02:28:40,389
i can't answer that no [\h__\h] okay well

3682
02:28:44,070 --> 02:28:41,280
there we go

3683
02:28:46,309 --> 02:28:44,080
dammit martin you broke the show

3684
02:28:49,429 --> 02:28:46,319
purpose-wise purpose-wise porpoise-wise

3685
02:28:51,110 --> 02:28:49,439
i i see the great pyramid

3686
02:28:52,830 --> 02:28:51,120
as the uh

3687
02:28:56,230 --> 02:28:52,840
the trigger

3688
02:28:59,349 --> 02:28:56,240

for really the search for the

3689
02:29:00,630 --> 02:28:59,359
pre-history is searching for truth

3690
02:29:02,469 --> 02:29:00,640
and

3691
02:29:06,309 --> 02:29:02,479
once you

3692
02:29:08,950 --> 02:29:06,319
go down that rabbit hole it's

3693
02:29:10,469 --> 02:29:08,960
yeah we're taught some real nonsense

3694
02:29:13,190 --> 02:29:10,479
it's uh

3695
02:29:15,190 --> 02:29:13,200
pre-history you know pre-deluvian and

3696
02:29:16,389 --> 02:29:15,200
start to really

3697
02:29:18,230 --> 02:29:16,399
search and

3698
02:29:19,830 --> 02:29:18,240
it does go with the templars and the

3699
02:29:21,590 --> 02:29:19,840
masons and

3700
02:29:25,190 --> 02:29:21,600
yeah i mean just focusing on the pyramid

3701
02:29:27,190 --> 02:29:25,200
by itself uh is a whole subject with

3702
02:29:28,710 --> 02:29:27,200
without even considering quote ancient

3703
02:29:30,230 --> 02:29:28,720
egypt unquote

3704
02:29:32,150 --> 02:29:30,240
[\h__\h] we spent four shows just on the

3705
02:29:33,510 --> 02:29:32,160
water pump theory you think sure there

3706
02:29:34,950 --> 02:29:33,520
you go we could do this show like for

3707
02:29:36,469 --> 02:29:34,960
the next two years just on the pyramid

3708
02:29:38,150 --> 02:29:36,479
itself if we wanted to

3709
02:29:41,270 --> 02:29:38,160
obviously yeah

3710
02:29:42,469 --> 02:29:41,280
i haven't even gotten to schwaller

3711
02:29:44,070 --> 02:29:42,479
sure enough

3712
02:29:46,870 --> 02:29:44,080
no

3713
02:29:48,309 --> 02:29:46,880

he's done so much thank you so much

3714
02:29:51,030 --> 02:29:48,319
all right

3715
02:29:52,710 --> 02:29:51,040
okay well

3716
02:29:54,469 --> 02:29:52,720
this guy's a trunk

3717
02:29:56,469 --> 02:29:54,479
yeah i know he's you know bro bram's

3718
02:29:58,309 --> 02:29:56,479
awesome again he's he's our resident

3719
02:29:59,830 --> 02:29:58,319
[\h__\h] disturber we love him because he

3720
02:30:01,750 --> 02:29:59,840
doesn't and for for him it's about the

3721
02:30:03,830 --> 02:30:01,760
show it's not it's not he's being mean

3722
02:30:04,790 --> 02:30:03,840
spirited it's just him playing up to the

3723
02:30:06,710 --> 02:30:04,800
crowd

3724
02:30:09,510 --> 02:30:06,720
and uh he

3725
02:30:11,110 --> 02:30:09,520
i swear to god

3726
02:30:12,389 --> 02:30:11,120
honestly he's really really not like

3727
02:30:13,750 --> 02:30:12,399
bram's actually really not he's going to

3728
02:30:15,670 --> 02:30:13,760
kill me for saying this he's actually a

3729
02:30:17,590 --> 02:30:15,680
really [\h__\h] nice guy

3730
02:30:19,270 --> 02:30:17,600
and uh

3731
02:30:21,670 --> 02:30:19,280
he's a heckler yes he is a professional

3732
02:30:22,950 --> 02:30:21,680
heckler but he's a really nice guy and

3733
02:30:24,469 --> 02:30:22,960
um we're gonna have him on the show just

3734
02:30:26,790 --> 02:30:24,479
because he probably had a few and that's

3735
02:30:28,790 --> 02:30:26,800
part of our like joke closing segment we

3736
02:30:30,710 --> 02:30:28,800
don't have any sandwich updates i think

3737
02:30:32,870 --> 02:30:30,720
just because he talks japanese it's

3738
02:30:35,190 --> 02:30:32,880

quite awesome um

3739
02:30:36,790 --> 02:30:35,200
so john

3740
02:30:41,030 --> 02:30:36,800
thank you very much for coming on the

3741
02:30:47,110 --> 02:30:43,190
oh my goodness um

3742
02:30:48,469 --> 02:30:47,120
i see you know what i see happening from

3743
02:30:50,230 --> 02:30:48,479
this point on

3744
02:30:51,990 --> 02:30:50,240
is not necessarily

3745
02:30:53,750 --> 02:30:52,000
my doing work

3746
02:30:55,190 --> 02:30:53,760
um it's just that

3747
02:30:57,670 --> 02:30:55,200
there's other people that are going to

3748
02:30:59,670 --> 02:30:57,680
keep adding

3749
02:31:00,710 --> 02:30:59,680
pieces to the puzzle i i just did one

3750
02:31:02,630 --> 02:31:00,720
part

3751
02:31:07,110 --> 02:31:02,640
and it's

3752
02:31:09,030 --> 02:31:07,120
pulse generator

3753
02:31:11,030 --> 02:31:09,040
and so here's the running pulse

3754
02:31:13,510 --> 02:31:11,040
generator and and it's kind of like

3755
02:31:15,590 --> 02:31:13,520
making a v8 motor or something once you

3756
02:31:18,070 --> 02:31:15,600
have a motor you gotta other people are

3757
02:31:20,309 --> 02:31:18,080
gonna design around it

3758
02:31:22,070 --> 02:31:20,319
and so this is the

3759
02:31:23,750 --> 02:31:22,080
you know absolute

3760
02:31:26,070 --> 02:31:23,760
proof of concept

3761
02:31:29,190 --> 02:31:26,080
it's all there it's it's

3762
02:31:30,469 --> 02:31:29,200
been reproduced it's

3763
02:31:32,950 --> 02:31:30,479

logical

3764
02:31:37,190 --> 02:31:32,960
it's not even

3765
02:31:38,150 --> 02:31:37,200
because all the stuff's there and it

3766
02:31:40,150 --> 02:31:38,160
runs

3767
02:31:43,030 --> 02:31:40,160
beautifully you don't need an opinion if

3768
02:31:44,870 --> 02:31:43,040
you can model it right hell no

3769
02:31:47,190 --> 02:31:44,880
that's him

3770
02:31:50,230 --> 02:31:47,200
so they're i'm excited to see what comes

3771
02:31:51,429 --> 02:31:50,240
after this is what it is

3772
02:31:52,950 --> 02:31:51,439
you got

3773
02:31:55,429 --> 02:31:52,960
got doug's work

3774
02:31:58,469 --> 02:31:55,439
chris's work uh joe

3775
02:31:59,590 --> 02:31:58,479
he passed his work was phenomenal

3776
02:32:00,389 --> 02:31:59,600
um

3777
02:32:03,190 --> 02:32:00,399
do

3778
02:32:05,429 --> 02:32:03,200
you know all these brilliant people

3779
02:32:07,750 --> 02:32:05,439
so let's see what happens next

3780
02:32:11,830 --> 02:32:07,760
i just did my part and shared it

3781
02:32:13,910 --> 02:32:11,840
fantastic awesome uh and

3782
02:32:15,830 --> 02:32:13,920
you know we uh

3783
02:32:17,349 --> 02:32:15,840
well hell we

3784
02:32:19,270 --> 02:32:17,359
we had a fantastic journey it was kind

3785
02:32:21,110 --> 02:32:19,280
of a lead up to have you on the show

3786
02:32:22,309 --> 02:32:21,120
because i know we had spencer cross we

3787
02:32:25,830 --> 02:32:22,319
had uh

3788
02:32:27,030 --> 02:32:25,840

steven we had doug and danny and now

3789
02:32:29,030 --> 02:32:27,040
we've had you

3790
02:32:30,389 --> 02:32:29,040
and we've all been you know become

3791
02:32:31,990 --> 02:32:30,399
friends of the show or they've all

3792
02:32:33,510 --> 02:32:32,000
become friends of the show and we would

3793
02:32:35,349 --> 02:32:33,520
like to invite you back to the den of

3794
02:32:36,790 --> 02:32:35,359
lore anytime you want whether it's just

3795
02:32:38,870 --> 02:32:36,800
to be able to say hi

3796
02:32:40,309 --> 02:32:38,880
or just have a glass of scotch or talk

3797
02:32:43,190 --> 02:32:40,319
about your new dogs please do not

3798
02:32:45,750 --> 02:32:43,200
hesitate to come by because we love john

3799
02:32:48,870 --> 02:32:45,760
cabin because john cabin is the [\h__\h]

3800
02:32:50,870 --> 02:32:48,880
chris was saying before the show

3801
02:32:52,790 --> 02:32:50,880
we needed to get you to model the

3802
02:32:55,110 --> 02:32:52,800
pyramids but then we're gonna inject

3803
02:32:57,910 --> 02:32:55,120
scotch into it instead of water

3804
02:32:59,750 --> 02:32:57,920
and then model that in 3d

3805
02:33:02,150 --> 02:32:59,760
you guys

3806
02:33:05,110 --> 02:33:02,160
this is this is how we do this show uh

3807
02:33:07,190 --> 02:33:05,120
so it should work

3808
02:33:09,670 --> 02:33:07,200
got this i want to show you something

3809
02:33:12,070 --> 02:33:09,680
this is this is a check valve yep that

3810
02:33:14,950 --> 02:33:12,080
was the wastegate valve that that chris

3811
02:33:18,469 --> 02:33:14,960
brought he bought here he said let's do

3812
02:33:19,510 --> 02:33:18,479
a model as chris doed with the

3813
02:33:22,070 --> 02:33:19,520

with the

3814
02:33:23,830 --> 02:33:22,080
jack valve okay so he bought it and said

3815
02:33:26,469 --> 02:33:23,840
well it'll work it's kind of a turn of

3816
02:33:29,030 --> 02:33:26,479
the valve because i've got a better one

3817
02:33:31,830 --> 02:33:29,040
so we took one and you run them

3818
02:33:34,630 --> 02:33:31,840
backwards so instead of opening water

3819
02:33:35,429 --> 02:33:34,640
going this this way you have water going

3820
02:33:37,349 --> 02:33:35,439
this way

3821
02:33:38,710 --> 02:33:37,359
actually close to

3822
02:33:40,469 --> 02:33:38,720
closed position

3823
02:33:43,510 --> 02:33:40,479
so that's how it works

3824
02:33:45,830 --> 02:33:43,520
but then i said well what you got to do

3825
02:33:48,630 --> 02:33:45,840
is flip the valve open

3826
02:33:50,790 --> 02:33:48,640
or flip it so it naturally has a natural

3827
02:33:51,910 --> 02:33:50,800
gravitational spring

3828
02:33:54,389 --> 02:33:51,920
see it's

3829
02:33:57,910 --> 02:33:54,399
observed some

3830
02:33:59,590 --> 02:33:57,920
things under the plateau and we modeled

3831
02:34:00,950 --> 02:33:59,600
him when he was here

3832
02:34:03,429 --> 02:34:00,960
and

3833
02:34:04,790 --> 02:34:03,439
you know you've got to humor the guy

3834
02:34:07,190 --> 02:34:04,800
she's awesome

3835
02:34:09,110 --> 02:34:07,200
and anyway so we did it and this reacted

3836
02:34:10,150 --> 02:34:09,120
and so that's the valve that we used for

3837
02:34:11,510 --> 02:34:10,160
a while

3838
02:34:14,150 --> 02:34:11,520

and then

3839
02:34:14,950 --> 02:34:14,160
this is the valve that

3840
02:34:17,110 --> 02:34:14,960
is

3841
02:34:20,150 --> 02:34:17,120
i had to make it

3842
02:34:22,309 --> 02:34:20,160
i used a very light spring in it

3843
02:34:24,309 --> 02:34:22,319
um to keep it open

3844
02:34:26,230 --> 02:34:24,319
um just because i have the valve

3845
02:34:28,630 --> 02:34:26,240
pointing down and the gravitational

3846
02:34:31,349 --> 02:34:28,640
effect would be a gravity

3847
02:34:32,230 --> 02:34:31,359
drop of this this here slider but this

3848
02:34:36,870 --> 02:34:32,240
is

3849
02:34:39,990 --> 02:34:36,880
a round reproduction

3850
02:34:42,710 --> 02:34:40,000
or representation of that square valve

3851
02:34:45,510 --> 02:34:42,720
that would be a giza so what i did i

3852
02:34:47,670 --> 02:34:45,520
truly made as close as possible the

3853
02:34:50,309 --> 02:34:47,680
valve that would be there

3854
02:34:52,710 --> 02:34:50,319
and had to make it heavy duty enough to

3855
02:34:55,190 --> 02:34:52,720
it's had four million pulses or

3856
02:34:56,230 --> 02:34:55,200
something that's a lot of impacts yeah

3857
02:34:58,630 --> 02:34:56,240
so made

3858
02:35:01,590 --> 02:34:58,640
slidier and

3859
02:35:05,429 --> 02:35:01,600
and anyways this is from

3860
02:35:07,750 --> 02:35:05,439
2001 because i was originally

3861
02:35:09,750 --> 02:35:07,760
at ports i made ports i ground parts on

3862
02:35:13,349 --> 02:35:09,760
the side because i had

3863
02:35:16,309 --> 02:35:13,359

the concept that it exited to air

3864
02:35:18,150 --> 02:35:16,319
and so what i made was uh these are like

3865
02:35:20,950 --> 02:35:18,160
two-stroke ports and two-stroke

3866
02:35:22,309 --> 02:35:20,960
motorcycles so you have ports

3867
02:35:24,469 --> 02:35:22,319
back in the day

3868
02:35:28,070 --> 02:35:24,479
used to port motorcycles

3869
02:35:30,309 --> 02:35:28,080
and so i i actually made it so the water

3870
02:35:31,590 --> 02:35:30,319
would dump out these ports

3871
02:35:34,309 --> 02:35:31,600
and so

3872
02:35:37,110 --> 02:35:34,319
at that point it's exiting to air

3873
02:35:40,230 --> 02:35:37,120
because it's not full of water okay so

3874
02:35:42,150 --> 02:35:40,240
that was concept so i'm following the

3875
02:35:44,870 --> 02:35:42,160
basic theory

3876
02:35:47,590 --> 02:35:44,880
of uh hydraulic pulse generators but i

3877
02:35:49,429 --> 02:35:47,600
had a vertical position

3878
02:35:50,870 --> 02:35:49,439
and then i was

3879
02:35:52,150 --> 02:35:50,880
sitting there

3880
02:35:54,469 --> 02:35:52,160
watching it

3881
02:35:56,150 --> 02:35:54,479
you gotta you know watch nature

3882
02:35:58,870 --> 02:35:56,160
you know shelburne

3883
02:36:01,670 --> 02:35:58,880
observe nature and so i watched it and

3884
02:36:02,870 --> 02:36:01,680
what i saw and shocked that

3885
02:36:04,389 --> 02:36:02,880
not

3886
02:36:07,349 --> 02:36:04,399
shocked me

3887
02:36:10,469 --> 02:36:07,359
shocked the [\h__\h] out of me okay so

3888
02:36:12,309 --> 02:36:10,479

i watched it and i didn't realize that

3889
02:36:14,790 --> 02:36:12,319
right after the shock even though

3890
02:36:15,830 --> 02:36:14,800
there's water all the way up

3891
02:36:19,110 --> 02:36:15,840
to the

3892
02:36:21,349 --> 02:36:19,120
um reservoir

3893
02:36:22,870 --> 02:36:21,359
that it immediately reopened even though

3894
02:36:24,230 --> 02:36:22,880
there's all the pressure we think

3895
02:36:29,030 --> 02:36:24,240
there'd be pressure

3896
02:36:31,429 --> 02:36:29,040
so then i go oh my god it's the uh

3897
02:36:33,190 --> 02:36:31,439
it's the rarefaction wave that's opening

3898
02:36:35,030 --> 02:36:33,200
the vowel

3899
02:36:36,469 --> 02:36:35,040
so it's like it was one of those oh my

3900
02:36:38,710 --> 02:36:36,479
god moments

3901
02:36:40,870 --> 02:36:38,720
and then later on i

3902
02:36:42,870 --> 02:36:40,880
got horizontal because it's if

3903
02:36:44,070 --> 02:36:42,880
rarefaction is opening it they can be

3904
02:36:47,670 --> 02:36:44,080
underwater

3905
02:36:50,870 --> 02:36:47,680
now speaking of horizontal um

3906
02:36:52,070 --> 02:36:50,880
everything that is awesome um speaking

3907
02:36:53,670 --> 02:36:52,080
of horizontal i know that you've been up

3908
02:36:55,349 --> 02:36:53,680
for quite some time i know it's uh you

3909
02:36:57,429 --> 02:36:55,359
know late out there it's laid out here

3910
02:37:00,389 --> 02:36:57,439
in out east and late out there at west

3911
02:37:02,230 --> 02:37:00,399
uh you know you're a family guy so we

3912
02:37:04,630 --> 02:37:02,240
would arg

3913
02:37:06,150 --> 02:37:04,640

well we call it an adios well we're

3914
02:37:08,150 --> 02:37:06,160
going to call it an adios and say thank

3915
02:37:09,270 --> 02:37:08,160
you very much for having a fantastic

3916
02:37:10,630 --> 02:37:09,280
night we're going to send you the link

3917
02:37:12,309 --> 02:37:10,640
whenever the audio show comes up and

3918
02:37:13,750 --> 02:37:12,319
then the thing is i really want to get

3919
02:37:17,270 --> 02:37:13,760
bram on the show because i got to put

3920
02:37:19,270 --> 02:37:17,280
him on the uh the hot seat and as as we

3921
02:37:20,550 --> 02:37:19,280
told him and again i don't want to

3922
02:37:22,309 --> 02:37:20,560
subject you to brand but i wanted to be

3923
02:37:24,630 --> 02:37:22,319
able to say as i told him in chat

3924
02:37:25,510 --> 02:37:24,640
prepare your ass you're on the hot seat

3925
02:37:26,389 --> 02:37:25,520
next

3926
02:37:27,910 --> 02:37:26,399
so

3927
02:37:31,110 --> 02:37:27,920
unless you want to hang around for that

3928
02:37:34,790 --> 02:37:32,630
why

3929
02:37:36,790 --> 02:37:34,800
no i thought i just stuff

3930
02:37:38,630 --> 02:37:36,800
i think i've encountered this stuff i i

3931
02:37:41,110 --> 02:37:38,640
just give me the valve so the heck

3932
02:37:43,750 --> 02:37:41,120
layers just don't give a [\h__\h] i don't

3933
02:37:45,110 --> 02:37:43,760
want to waste my time with crap exactly

3934
02:37:46,550 --> 02:37:45,120
exactly

3935
02:37:49,110 --> 02:37:46,560
it's part of the entertainment of the

3936
02:37:51,349 --> 02:37:49,120
show so we we don't we we know you don't

3937
02:37:53,590 --> 02:37:51,359
have time but still

3938
02:37:56,389 --> 02:37:53,600

i'm not i'm not interested exactly i

3939
02:37:58,950 --> 02:37:56,399
know i know i know

3940
02:38:01,030 --> 02:37:58,960
but i guess it's fine for monty python

3941
02:38:03,190 --> 02:38:01,040
british humor [\h__\h] and

3942
02:38:05,590 --> 02:38:03,200
chris dunn has that humor by the way and

3943
02:38:06,950 --> 02:38:05,600
he's very british he's very funny but

3944
02:38:08,150 --> 02:38:06,960
it's very dry

3945
02:38:11,429 --> 02:38:08,160
and i'm like

3946
02:38:14,870 --> 02:38:11,439
i don't understand it

3947
02:38:17,110 --> 02:38:14,880
there we go awesome

3948
02:38:18,630 --> 02:38:17,120
john have yourself a wonderful night to

3949
02:38:20,230 --> 02:38:18,640
have yourself a good weekend thank you

3950
02:38:22,070 --> 02:38:20,240
for all your efforts and building those

3951
02:38:25,349 --> 02:38:22,080
models and sharing them with us well

3952
02:38:26,790 --> 02:38:25,359
thanks for thanks for presenting it well

3953
02:38:29,910 --> 02:38:26,800
because most

3954
02:38:31,750 --> 02:38:29,920
people don't i saw only been presented a

3955
02:38:33,270 --> 02:38:31,760
couple times well you know this is how

3956
02:38:35,590 --> 02:38:33,280
it was about

3957
02:38:39,110 --> 02:38:35,600
and then last week and then

3958
02:38:41,349 --> 02:38:39,120
a blip on ancient aliens thanks to chris

3959
02:38:43,270 --> 02:38:41,359
he you're the producer and said

3960
02:38:45,349 --> 02:38:43,280
need to get your stuff out there

3961
02:38:47,670 --> 02:38:45,359
well there you go

3962
02:38:51,910 --> 02:38:47,680
john kevin thank you very much wonderful

3963
02:38:59,110 --> 02:38:53,830

doug please do stay on the line because

3964
02:39:02,790 --> 02:39:01,270
have yourself a good night

3965
02:39:04,230 --> 02:39:02,800
camera's off

3966
02:39:06,070 --> 02:39:04,240
there we go

3967
02:39:08,389 --> 02:39:06,080
john kevin everybody so i'm just going

3968
02:39:09,510 --> 02:39:08,399
to add

3969
02:39:11,349 --> 02:39:09,520
uh

3970
02:39:13,830 --> 02:39:11,359
where is bram brambram

3971
02:39:16,710 --> 02:39:13,840
bram ram there's

3972
02:39:18,389 --> 02:39:16,720
brown michaels there we go bram

3973
02:39:20,710 --> 02:39:18,399
and i'm going to add doug to this

3974
02:39:22,710 --> 02:39:20,720
because doug might be able to

3975
02:39:25,190 --> 02:39:22,720
add some oh doug's already offline he

3976
02:39:27,990 --> 02:39:25,200
left immediately holy [\h__\h] there we go

3977
02:39:35,030 --> 02:39:28,000
ladies and gentlemen

3978
02:39:36,469 --> 02:39:35,040
music now

3979
02:39:41,910 --> 02:39:36,479
well i'm going to put on the the

3980
02:39:44,790 --> 02:39:43,590
so ladies and gentlemen that was uh doug

3981
02:39:47,030 --> 02:39:44,800
cat

3982
02:39:48,710 --> 02:39:47,040
sorry that was john cadman on the show

3983
02:39:51,990 --> 02:39:48,720
and we were waiting for bram to come on

3984
02:39:53,270 --> 02:39:52,000
and i i've i've ringed him on on skype

3985
02:39:54,790 --> 02:39:53,280
is he with us

3986
02:39:59,850 --> 02:39:54,800
bram

3987
02:39:59,860 --> 02:40:06,710
[Music]

3988
02:40:10,230 --> 02:40:08,950

so um that uh

3989
02:40:12,309 --> 02:40:10,240
alex what did you take away from the

3990
02:40:14,230 --> 02:40:12,319
show from with with uh

3991
02:40:16,230 --> 02:40:14,240
well i'm really glad that someone's

3992
02:40:17,429 --> 02:40:16,240
actually taken some time to physically

3993
02:40:20,150 --> 02:40:17,439
model

3994
02:40:21,190 --> 02:40:20,160
the fluid dynamics of it well like my

3995
02:40:23,510 --> 02:40:21,200
whole thing is i want to be able to get

3996
02:40:26,230 --> 02:40:23,520
behind the hard science and realize what

3997
02:40:27,349 --> 02:40:26,240
the differences were good evening ladies

3998
02:40:29,349 --> 02:40:27,359
and gentlemen

3999
02:40:31,110 --> 02:40:29,359
bram michaelson

4000
02:40:32,950 --> 02:40:31,120
thank you very much for joining the show

4001
02:40:35,910 --> 02:40:32,960
how are you doing

4002
02:40:38,790 --> 02:40:35,920
i am very willing um

4003
02:40:41,670 --> 02:40:38,800
i was just listening to the guy that

4004
02:40:44,950 --> 02:40:41,680
uh you were talking to and i would very

4005
02:40:46,550 --> 02:40:44,960
much like to engage him conversation but

4006
02:40:48,389 --> 02:40:46,560
he seemed too

4007
02:40:50,550 --> 02:40:48,399
scared away

4008
02:40:54,870 --> 02:40:50,560
i'm very sir

4009
02:41:01,220 --> 02:40:56,790
hello

4010
02:41:08,469 --> 02:41:01,230
there's dk

4011
02:41:13,830 --> 02:41:11,670
give me one second give me one second

4012
02:41:15,520 --> 02:41:13,840
hang over there there we go oh no

4013
02:41:17,670 --> 02:41:15,530

worries don't worry

4014
02:41:20,070 --> 02:41:17,680
[Music]

4015
02:41:21,510 --> 02:41:20,080
and we're back and we're back with bram

4016
02:41:23,830 --> 02:41:21,520
sorry

4017
02:41:25,510 --> 02:41:23,840
danny kerr was at band practice i'm

4018
02:41:27,110 --> 02:41:25,520
gonna have to can you like facebook him

4019
02:41:29,190 --> 02:41:27,120
and just say like hold on for a second

4020
02:41:30,710 --> 02:41:29,200
um uh bram are you there

4021
02:41:32,389 --> 02:41:30,720
yo okay so

4022
02:41:34,230 --> 02:41:32,399
abram uh i'd like to thank you very much

4023
02:41:36,150 --> 02:41:34,240
for joining us on the show it's been

4024
02:41:37,429 --> 02:41:36,160
like about 30 episodes since we had you

4025
02:41:39,030 --> 02:41:37,439
on last

4026
02:41:41,670 --> 02:41:39,040
it's been a while yes

4027
02:41:42,830 --> 02:41:41,680
we have our our fun music for you

4028
02:41:45,510 --> 02:41:42,840
so

4029
02:41:47,030 --> 02:41:45,520
um this is our this is our close usually

4030
02:41:49,030 --> 02:41:47,040
our closing segment

4031
02:41:51,030 --> 02:41:49,040
and uh you know i can understand that

4032
02:41:52,070 --> 02:41:51,040
you're an engineer that john cadman's an

4033
02:41:53,349 --> 02:41:52,080
engineer

4034
02:41:57,270 --> 02:41:53,359
and that you have some certain

4035
02:41:59,429 --> 02:41:57,280
differences with john cabin and your um

4036
02:42:01,590 --> 02:41:59,439
utterances in our chat can be quite

4037
02:42:03,590 --> 02:42:01,600
entertaining sometime sometimes

4038
02:42:05,270 --> 02:42:03,600

sometimes and well as our resident

4039
02:42:06,150 --> 02:42:05,280
should disturb and usually we're we're

4040
02:42:09,190 --> 02:42:06,160
hoping

4041
02:42:10,630 --> 02:42:09,200
like we'll bring on the show every now

4042
02:42:12,150 --> 02:42:10,640
and again and you've had a couple and

4043
02:42:13,910 --> 02:42:12,160
like i could tell when you've had a

4044
02:42:16,230 --> 02:42:13,920
couple in in chat would you start

4045
02:42:17,590 --> 02:42:16,240
getting very belligerent

4046
02:42:20,870 --> 02:42:17,600
i try

4047
02:42:21,830 --> 02:42:20,880
i mean like i see [\h__\h] where it comes up

4048
02:42:23,350 --> 02:42:21,840
and i

4049
02:42:24,830 --> 02:42:23,360
i'm

4050
02:42:27,190 --> 02:42:24,840
[Music]

4051
02:42:29,670 --> 02:42:27,200
sorry well bram

4052
02:42:31,429 --> 02:42:29,680
okay well first of all

4053
02:42:34,710 --> 02:42:31,439
i i do have to say is that your your use

4054
02:42:36,230 --> 02:42:34,720
of ff's ffs

4055
02:42:40,550 --> 02:42:36,240
has

4056
02:42:41,990 --> 02:42:40,560
a few weeks until i realized what the

4057
02:42:44,469 --> 02:42:42,000
what the hell you were talking about

4058
02:42:45,190 --> 02:42:44,479
what the [\h__\h] is this exactly

4059
02:42:46,630 --> 02:42:45,200
um

4060
02:42:48,469 --> 02:42:46,640
although if you already

4061
02:42:51,349 --> 02:42:48,479
if if you are going to swear i would

4062
02:42:52,630 --> 02:42:51,359
please ask only in the in the proper old

4063
02:43:00,070 --> 02:42:52,640

japanese

4064
02:43:02,389 --> 02:43:01,510
thank you very much thank you very much

4065
02:43:05,429 --> 02:43:02,399
bran

4066
02:43:08,469 --> 02:43:05,439
so um what what is your expert take on

4067
02:43:12,550 --> 02:43:08,479
the uh pyramid pump and why

4068
02:43:16,790 --> 02:43:13,990
okay like

4069
02:43:20,550 --> 02:43:16,800
as an engineer and somebody who's is

4070
02:43:21,750 --> 02:43:20,560
familiar with the the way that force and

4071
02:43:22,380 --> 02:43:21,760
balance

4072
02:43:23,590 --> 02:43:22,390
works

4073
02:43:24,469 --> 02:43:23,600
[Music]

4074
02:43:29,190 --> 02:43:24,479
like

4075
02:43:33,270 --> 02:43:29,200
i don't understand the way that the the

4076
02:43:39,750 --> 02:43:35,030
okay let me get my thoughts straight

4077
02:43:43,269 --> 02:43:39,760
here okay there's one way that the uh

4078
02:43:44,630 --> 02:43:43,279
the pyramid has been created within like

4079
02:43:54,040 --> 02:43:44,640
uh

4080
02:43:57,750 --> 02:43:56,230
[Music]

4081
02:44:00,389 --> 02:43:57,760
beautiful part about the music this is

4082
02:44:01,910 --> 02:44:00,399
the closing segment music

4083
02:44:04,389 --> 02:44:01,920
we played this music for you bram

4084
02:44:07,910 --> 02:44:04,399
balance

4085
02:44:12,710 --> 02:44:07,920
the

4086
02:44:14,870 --> 02:44:12,720
french dude that said that that

4087
02:44:17,670 --> 02:44:14,880
the pyramid was actually a poured

4088
02:44:18,790 --> 02:44:17,680

structure that the way that

4089
02:44:23,030 --> 02:44:18,800
a

4090
02:44:24,950 --> 02:44:23,040
would

4091
02:44:28,150 --> 02:44:24,960
create

4092
02:44:32,070 --> 02:44:30,309
i'm just way too drunk for this no i'm

4093
02:44:33,429 --> 02:44:32,080
not going to do this all right that's

4094
02:44:34,790 --> 02:44:33,439
awesome you know

4095
02:44:36,230 --> 02:44:34,800
we can understand that

4096
02:44:37,349 --> 02:44:36,240
um

4097
02:44:41,429 --> 02:44:37,359
bram

4098
02:44:45,510 --> 02:44:43,670
so let's uh

4099
02:44:47,510 --> 02:44:45,520
roll the dice roll the dice and see what

4100
02:44:49,190 --> 02:44:47,520
happens let's uh i know danny's been

4101
02:44:52,040 --> 02:44:49,200
waiting in the wings so let's let's

4102
02:44:52,050 --> 02:44:56,469
[Music]

4103
02:45:10,630 --> 02:44:58,810
holy [\h__\h]

4104
02:45:12,630 --> 02:45:10,640
[Music]

4105
02:45:15,910 --> 02:45:12,640
danny

4106
02:45:18,810 --> 02:45:18,309
the best best live social music we've

4107
02:45:21,910 --> 02:45:18,820
ever had

4108
02:45:24,550 --> 02:45:22,750
danny

4109
02:45:25,349 --> 02:45:24,560
[Music]

4110
02:45:28,950 --> 02:45:25,359
well

4111
02:45:31,990 --> 02:45:28,960
has been trying to try trying to get us

4112
02:45:36,469 --> 02:45:33,670
social music

4113
02:45:40,550 --> 02:45:38,309

it's very good danny i mean it's better

4114
02:45:44,230 --> 02:45:40,560
than sandwich perfect well no i thought

4115
02:45:44,240 --> 02:45:46,790
danny

4116
02:45:49,030 --> 02:45:48,150
he's not gonna pick up i'm just gonna

4117
02:45:51,510 --> 02:45:49,040
have to

4118
02:45:53,830 --> 02:45:51,520
call it a show it's called a show

4119
02:45:55,349 --> 02:45:53,840
uh so i'm gonna put the piano music back

4120
02:45:58,900 --> 02:45:55,359
on because it's fun to just do a slow

4121
02:46:03,269 --> 02:46:00,950
[Music]

4122
02:46:04,790 --> 02:46:03,279
okay so we had uh uh one guest hang up

4123
02:46:06,710 --> 02:46:04,800
on us

4124
02:46:08,150 --> 02:46:06,720
because we invited him on that was a

4125
02:46:09,030 --> 02:46:08,160
whole point of the show the whole point

4126
02:46:10,469 --> 02:46:09,040
of like the

4127
02:46:12,309 --> 02:46:10,479
sorry we'll bring him on again later

4128
02:46:14,870 --> 02:46:12,319
well well like bram for now i think he's

4129
02:46:16,389 --> 02:46:14,880
done for the night thanks thankfully um

4130
02:46:19,349 --> 02:46:16,399
one night we're gonna have to have like

4131
02:46:21,349 --> 02:46:19,359
an all guest show like an all like chat

4132
02:46:22,230 --> 02:46:21,359
guest exactly so ladies and gentlemen

4133
02:46:24,309 --> 02:46:22,240
we'd like to thank you very much for

4134
02:46:26,309 --> 02:46:24,319
joining the den of lore uh for this

4135
02:46:27,349 --> 02:46:26,319
evening with uh john cadman for all of

4136
02:46:29,349 --> 02:46:27,359
the uh

4137
02:46:31,110 --> 02:46:29,359
dozens and dozens and dozens of people

4138
02:46:33,190 --> 02:46:31,120

who are in chat and listening around the

4139
02:46:34,309 --> 02:46:33,200
world right now live

4140
02:46:37,429 --> 02:46:34,319
um

4141
02:46:39,269 --> 02:46:37,439
that is the show i guess uh with with

4142
02:46:40,950 --> 02:46:39,279
danny he's been he's jamming hard and

4143
02:46:42,070 --> 02:46:40,960
just like picked up and to listen to

4144
02:46:43,910 --> 02:46:42,080
this [\h__\h]

4145
02:46:45,110 --> 02:46:43,920
style like the dinoflos it's a

4146
02:46:48,950 --> 02:46:45,120
possibility

4147
02:46:50,150 --> 02:46:48,960
um so next week on the show uh we have a

4148
02:46:52,790 --> 02:46:50,160
a wonderful

4149
02:46:57,590 --> 02:46:52,800
wonderful gentleman

4150
02:47:01,349 --> 02:46:59,750
my god in heaven i actually forgot who

4151
02:47:02,550 --> 02:47:01,359
we have on the show next week this is

4152
02:47:03,830 --> 02:47:02,560
this is this is the amount of stuff

4153
02:47:05,429 --> 02:47:03,840
we've been dealing with stay tuned for

4154
02:47:07,030 --> 02:47:05,439
this episode this is why they need to

4155
02:47:08,790 --> 02:47:07,040
subscribe so they don't even need to

4156
02:47:12,150 --> 02:47:08,800
know they're just going to tune in next

4157
02:47:13,510 --> 02:47:12,160
week we we have dr gerald r dickens

4158
02:47:15,590 --> 02:47:13,520
we're going to be talking about the

4159
02:47:16,710 --> 02:47:15,600
p-e-t-m

4160
02:47:22,070 --> 02:47:16,720
uh now you're probably wondering what

4161
02:47:27,190 --> 02:47:24,790
paleocene eocene thermal maximum this is

4162
02:47:28,469 --> 02:47:27,200
like our hard science month

4163
02:47:31,030 --> 02:47:28,479

so

4164
02:47:34,389 --> 02:47:31,040
we're going to be talking well this year

4165
02:47:35,190 --> 02:47:34,399
65 000 sorry 65 million years ago

4166
02:47:36,950 --> 02:47:35,200
um

4167
02:47:39,190 --> 02:47:36,960
you know the earth basically went

4168
02:47:41,750 --> 02:47:39,200
through its largest warming position

4169
02:47:43,670 --> 02:47:41,760
radiocarbon data volcano

4170
02:47:45,750 --> 02:47:43,680
well okay the man also like discovered

4171
02:47:47,429 --> 02:47:45,760
the eighth continent zealandia

4172
02:47:48,710 --> 02:47:47,439
so we're gonna be talking about that

4173
02:47:49,750 --> 02:47:48,720
okay

4174
02:47:52,070 --> 02:47:49,760
and uh

4175
02:47:54,309 --> 02:47:52,080
sounds interesting oh no like he okay

4176
02:47:55,510 --> 02:47:54,319
well he's on conference right now

4177
02:47:56,389 --> 02:47:55,520
and

4178
02:47:57,670 --> 02:47:56,399
um

4179
02:47:58,710 --> 02:47:57,680
you know we're gonna have him this week

4180
02:47:59,990 --> 02:47:58,720
but uh

4181
02:48:01,750 --> 02:48:00,000
next week is

4182
02:48:03,190 --> 02:48:01,760
going to be [\h__\h] hard ass science

4183
02:48:04,550 --> 02:48:03,200
we're gonna have another presentation

4184
02:48:06,389 --> 02:48:04,560
another lecture

4185
02:48:08,150 --> 02:48:06,399
and it's gonna be absolutely [\h__\h]

4186
02:48:10,710 --> 02:48:08,160
awesome this is our new like pre-outro

4187
02:48:13,429 --> 02:48:10,720
outro song i swear to god like our our

4188
02:48:14,830 --> 02:48:13,439

ending segment song is now this

4189
02:48:17,269 --> 02:48:14,840
from now on i

4190
02:48:19,830 --> 02:48:17,279
swear for a month you have to like

4191
02:48:22,790 --> 02:48:19,840
switch it up everywhere and uh well okay

4192
02:48:25,030 --> 02:48:22,800
here's like with with dr dickens his

4193
02:48:26,469 --> 02:48:25,040
whole thing is that the model from 65

4194
02:48:28,389 --> 02:48:26,479
million years ago is could be

4195
02:48:29,510 --> 02:48:28,399
potentially equal to what we're going to

4196
02:48:31,830 --> 02:48:29,520
go through

4197
02:48:32,870 --> 02:48:31,840
in you know several hundred years from

4198
02:48:36,389 --> 02:48:32,880
now

4199
02:48:38,230 --> 02:48:36,399
before him like when i turn this

4200
02:48:41,429 --> 02:48:38,240
political we don't talk politics in the

4201
02:48:44,150 --> 02:48:41,439
show like and because the whole idea of

4202
02:48:45,030 --> 02:48:44,160
global warming is now politicized it's

4203
02:48:47,429 --> 02:48:45,040
um

4204
02:48:48,870 --> 02:48:47,439
kind of [\h__\h] but uh he said he's

4205
02:48:50,790 --> 02:48:48,880
just gonna be doing hard facts and hard

4206
02:48:52,790 --> 02:48:50,800
data and i talked to randall carlson i

4207
02:48:55,750 --> 02:48:52,800
got some data from him and i'm using his

4208
02:48:59,030 --> 02:48:55,760
stuff to source just in case we have any

4209
02:49:00,870 --> 02:48:59,040
issues with politics but uh you know dr

4210
02:49:02,630 --> 02:49:00,880
dickens seems to be really [\h__\h] cool

4211
02:49:04,070 --> 02:49:02,640
on this [\h__\h] so i think we're i think

4212
02:49:05,910 --> 02:49:04,080
we're gonna have a good a good show next

4213
02:49:11,030 --> 02:49:05,920

week with some hard science and

4214
02:49:14,070 --> 02:49:13,030
phenomena of global warming and climate

4215
02:49:14,790 --> 02:49:14,080
change

4216
02:49:16,710 --> 02:49:14,800
so

4217
02:49:18,469 --> 02:49:16,720
but be stewards of the earth full of god

4218
02:49:19,670 --> 02:49:18,479
people recycle

4219
02:49:21,670 --> 02:49:19,680
don't pollute

4220
02:49:23,590 --> 02:49:21,680
don't don't uh don't don't be an [\h__\h]

4221
02:49:24,950 --> 02:49:23,600
to to mother earth because she can be a

4222
02:49:26,790 --> 02:49:24,960
[\h__\h] right back

4223
02:49:28,550 --> 02:49:26,800
which is evident with the fact that we

4224
02:49:30,870 --> 02:49:28,560
have had

4225
02:49:31,670 --> 02:49:30,880
no [\h__\h] real spring weather maybe one

4226
02:49:33,429 --> 02:49:31,680
day

4227
02:49:35,510 --> 02:49:33,439
all of april it's

4228
02:49:36,630 --> 02:49:35,520
so depressing anyway

4229
02:49:38,309 --> 02:49:36,640
um

4230
02:49:41,349 --> 02:49:38,319
next that is next uh going to be next

4231
02:49:45,280 --> 02:49:41,359
friday same time 8 30 p.m it's already

4232
02:49:46,389 --> 02:49:45,290
in our youtube channel so you can

4233
02:49:49,110 --> 02:49:46,399
[Music]

4234
02:49:51,110 --> 02:49:49,120
get us on with that

4235
02:49:53,510 --> 02:49:51,120
and set your reminders now

4236
02:49:54,790 --> 02:49:53,520
and yeah that would be it so what what

4237
02:49:56,070 --> 02:49:54,800
should we play for the outro music we've

4238
02:49:57,830 --> 02:49:56,080

got um

4239
02:49:59,510 --> 02:49:57,840
what have we played last week just play

4240
02:50:01,190 --> 02:49:59,520
the sandwich music until you're sick

4241
02:50:02,710 --> 02:50:01,200
okay so we have to switch next month

4242
02:50:04,230 --> 02:50:02,720
okay good enough so ladies and gentlemen

4243
02:50:05,750 --> 02:50:04,240
thank you very much have yourselves a

4244
02:50:08,469 --> 02:50:05,760
wonderful evening

4245
02:50:10,230 --> 02:50:08,479
you guys all rock we love you all

4246
02:50:12,469 --> 02:50:10,240
and uh thank you for listening to the

4247
02:50:14,150 --> 02:50:12,479
dead of lore

4248
02:50:16,950 --> 02:50:14,160
i'm gonna have to go to the deli pick up

4249
02:50:19,429 --> 02:50:16,960
some pastrami

4250
02:50:41,349 --> 02:50:19,439
i know

4251
02:50:41,359 --> 02:50:44,910
so

4252
02:50:44,920 --> 02:50:53,429
[Music]

4253
02:50:53,439 --> 02:51:12,190
so