



1
00:00:40,960 --> 00:00:37,710

[Music]

2
00:00:43,360 --> 00:00:40,970

good evening ladies and gentlemen

3
00:00:45,340 --> 00:00:43,370

welcome to the program I am your host

4
00:00:48,760 --> 00:00:45,350

Chris of Georgia Zuber and you have

5
00:00:51,070 --> 00:00:48,770

entered the den of lore pull up your

6
00:00:53,740 --> 00:00:51,080

chair grab a glass of scotch or whatever

7
00:00:55,660 --> 00:00:53,750

you're imbibing tonight and to the

8
00:00:58,900 --> 00:00:55,670

firing let's let's learn some cool

9
00:01:01,600 --> 00:00:58,910

tonight courtesy of a good friend and a

10
00:01:04,509 --> 00:01:01,610

scholar and author independent

11
00:01:07,330 --> 00:01:04,519

programmer as well as one of my mentors

12
00:01:12,780 --> 00:01:07,340

when it comes to parenthood Laird

13
00:01:17,530 --> 00:01:12,790

Scranton as we dissect and investigate

14

00:01:21,100 --> 00:01:17,540

the Ganesha the symbolism behind the

15

00:01:22,780 --> 00:01:21,110

great Hindu God from his work and a new

16

00:01:27,850 --> 00:01:22,790

book which is oh now I believe it's

17

00:01:28,930 --> 00:01:27,860

available on Amazon Kindle let me see if

18

00:01:30,880 --> 00:01:28,940

I could switch it over here to the main

19

00:01:32,830 --> 00:01:30,890

camera there we go you larrikin nope oh

20

00:01:33,430 --> 00:01:32,840

you know I turn the music off okay

21

00:01:34,660 --> 00:01:33,440

that's fine

22

00:01:40,660 --> 00:01:34,670

Laird if you can hold the book up again

23

00:01:42,310 --> 00:01:40,670

that'd be fantastic Ganesh show the

24

00:01:44,710 --> 00:01:42,320

scientific symbolism so we're gonna be

25

00:01:46,660 --> 00:01:44,720

talking about that first though I'd love

26

00:01:48,280 --> 00:01:46,670

you to be able to join us in on the new

27

00:01:51,250 --> 00:01:48,290

segment which is all about the news and

28

00:01:53,110 --> 00:01:51,260

again you can add your comment in or you

29

00:01:55,330 --> 00:01:53,120

know make fun of me for my choices of

30

00:01:58,000 --> 00:01:55,340

three topics for the morning or you know

31

00:02:00,310 --> 00:01:58,010

further for the evening so because I'm

32

00:02:02,110 --> 00:02:00,320

starting to write some jokes so what is

33

00:02:03,790 --> 00:02:02,120

sure to be hyped as the next big thing

34

00:02:05,890 --> 00:02:03,800

Apple uses to screw you out of your

35

00:02:07,810 --> 00:02:05,900

money for relatively craft products

36

00:02:09,699 --> 00:02:07,820

researchers have developed a graphene

37

00:02:11,110 --> 00:02:09,709

device that easily switches from a super

38

00:02:14,080 --> 00:02:11,120

conductive material that conducts

39

00:02:15,940 --> 00:02:14,090

electricity without losing any energy to

40

00:02:18,100 --> 00:02:15,950

an insular that resists the flow of

41

00:02:20,320 --> 00:02:18,110

electricity current and back all with

42

00:02:22,240 --> 00:02:20,330

the flip of a switch this could be a

43

00:02:23,770 --> 00:02:22,250

world-changing development for computer

44

00:02:25,930 --> 00:02:23,780

engineering where computers could be

45

00:02:27,940 --> 00:02:25,940

designed and built to not have internal

46

00:02:29,440 --> 00:02:27,950

resistance which means they can operate

47

00:02:32,080 --> 00:02:29,450

without consuming large amounts of power

48

00:02:34,809 --> 00:02:32,090

or generating heat which currently

49

00:02:38,770 --> 00:02:34,819

requires considerable cooling and as I

50

00:02:40,690 --> 00:02:38,780

have in my new rig a push-pull

51
00:02:43,750 --> 00:02:40,700
four hundred two hundred and eighty all

52
00:02:47,140 --> 00:02:43,760
in one cooler for this massive nine or

53
00:02:49,570 --> 00:02:47,150
eight core sixteen thread processor to

54
00:02:52,660 --> 00:02:49,580
keep it a nice toasty you know thirty

55
00:02:54,130 --> 00:02:52,670
degrees centigrade at all times it's it

56
00:02:56,500 --> 00:02:54,140
takes a lot of power it's did you know

57
00:02:58,920 --> 00:02:56,510
so at least didn't in your line of work

58
00:03:07,410 --> 00:02:58,930
Laird I'm sure that would probably be

59
00:03:10,350 --> 00:03:07,420
you know very welcome now go ahead boss

60
00:03:12,970 --> 00:03:10,360
well I was gonna say in a blow to a

61
00:03:15,580 --> 00:03:12,980
wackadoodle aunty do Pat anti-vaxxers

62
00:03:18,520 --> 00:03:15,590
like Jenna McCartney and a real and

63
00:03:20,560 --> 00:03:18,530

statistically powerful study on autism

64

00:03:22,870 --> 00:03:20,570

has confirmed that the disorder is

65

00:03:24,309 --> 00:03:22,880

strongly hereditary the analysis found

66

00:03:26,530 --> 00:03:24,319

that over eighty percent of autism risk

67

00:03:29,199 --> 00:03:26,540

is associated with inherited genetic

68

00:03:31,270 --> 00:03:29,209

factors a population-based multinational

69

00:03:33,880 --> 00:03:31,280

cohort study included in analytical

70

00:03:36,390 --> 00:03:33,890

sample of over 2.7 million individuals

71

00:03:39,100 --> 00:03:36,400

including full birth birth cohorts of

72

00:03:41,800 --> 00:03:39,110

children from Denmark Finland Sweden

73

00:03:44,289 --> 00:03:41,810

Israel and Western Australia born

74

00:03:49,120 --> 00:03:44,299

between January 1st 1998 and December

75

00:03:51,430 --> 00:03:49,130

31st 2011 and followed up to age 16 data

76
00:03:53,979 --> 00:03:51,440
was analyzed from September 23 2016

77
00:03:56,229 --> 00:03:53,989
through February 4th 2018 and based on

78
00:03:59,710 --> 00:03:56,239
population data from five countries the

79
00:04:01,449 --> 00:03:59,720
hereditary heredity heritability of

80
00:04:03,490 --> 00:04:01,459
ASD was estimated to be approximately

81
00:04:06,100 --> 00:04:03,500
eighty percent indicating that the

82
00:04:08,080 --> 00:04:06,110
variation in ASD occurrence in the

83
00:04:10,390 --> 00:04:08,090
population is mostly owing to inherited

84
00:04:13,539 --> 00:04:10,400
genetic influences with no support or

85
00:04:16,289 --> 00:04:13,549
contribution from material effects so

86
00:04:19,300 --> 00:04:16,299
that I think is quite interesting and

87
00:04:20,319 --> 00:04:19,310
you know whether you have thoughts about

88
00:04:23,080 --> 00:04:20,329

it one way or another ladies and

89
00:04:24,969 --> 00:04:23,090
gentlemen you know numbers numbers they

90
00:04:26,890 --> 00:04:24,979
can lie but it's very interested at

91
00:04:28,690 --> 00:04:26,900
least it's something to consider

92
00:04:30,670 --> 00:04:28,700
and finally confirming what parents

93
00:04:33,969 --> 00:04:30,680
worldwide have known for decades

94
00:04:36,159 --> 00:04:33,979
it seems that much like kids ghost crabs

95
00:04:38,890 --> 00:04:36,169
will always pick fish fingers over

96
00:04:40,510 --> 00:04:38,900
vegetables it's just quite surprising

97
00:04:42,700 --> 00:04:40,520
it's true actually one of our most

98
00:04:44,409 --> 00:04:42,710
common Beach crabs eats just like a

99
00:04:46,589 --> 00:04:44,419
picky two-year-old according to a new

100
00:04:49,120 --> 00:04:46,599
research from Edith crown University

101
00:04:52,040 --> 00:04:49,130
researchers examined the diet of golden

102
00:04:54,409 --> 00:04:52,050
ghost crabs living on sandy beaches in

103
00:04:56,480 --> 00:04:54,419
Washington State's Midwest the ghost

104
00:04:58,219 --> 00:04:56,490
crabs diet is mainly made up of algae

105
00:04:59,570 --> 00:04:58,229
and other plant materials but the

106
00:05:02,059 --> 00:04:59,580
researchers found that when given the

107
00:05:04,820 --> 00:05:02,069
choice in a lab setting the crabs would

108
00:05:07,730 --> 00:05:04,830
opt always to eat for fish in fact

109
00:05:10,189 --> 00:05:07,740
during the lab tests the crab consumed

110
00:05:13,460 --> 00:05:10,199
55 times more fish than plant matter and

111
00:05:15,710 --> 00:05:13,470
17 times more fish than s-- then snails

112
00:05:18,260 --> 00:05:15,720
their second favorite food source on

113
00:05:20,240 --> 00:05:18,270

average of the crabs consumed fish at an

114

00:05:22,640 --> 00:05:20,250

impressive rate of seventeen point five

115

00:05:25,249 --> 00:05:22,650

two milligrams per hour per gram of body

116

00:05:27,320 --> 00:05:25,259

weight which is insane now that is

117

00:05:30,499 --> 00:05:27,330

basically the equivalent of 88 kilograms

118

00:05:33,559 --> 00:05:30,509

or an 88 kilogram human eating 1.4

119

00:05:36,230 --> 00:05:33,569

kilograms of fish every hour during the

120

00:05:37,850 --> 00:05:36,240

study period now there's no still word

121

00:05:39,320 --> 00:05:37,860

on yet as to whether the researchers

122

00:05:41,270 --> 00:05:39,330

will conduct a full up study on whether

123

00:05:43,309 --> 00:05:41,280

the crabs like two-year-olds also annoy

124

00:05:50,510 --> 00:05:43,319

the hell out of parents on airplanes so

125

00:05:51,740 --> 00:05:50,520

we are waiting for that next oh yeah I

126
00:05:53,540 --> 00:05:51,750
know that that's way up there but there

127
00:05:57,230 --> 00:05:53,550
there is supposed to be discontinued now

128
00:05:59,850 --> 00:05:59,520
yeah no they're gonna it's gonna come

129
00:06:04,020 --> 00:05:59,860
back

130
00:06:05,160 --> 00:06:04,030
so also again I've actually missed this

131
00:06:06,480 --> 00:06:05,170
part right here now if you like the show

132
00:06:08,130 --> 00:06:06,490
and you like to support independent

133
00:06:10,770 --> 00:06:08,140
broadcasting so what does a patreon.com

134
00:06:12,600 --> 00:06:10,780
forward slash then of lore for as little

135
00:06:15,390 --> 00:06:12,610
as a dollar a month you can ensure that

136
00:06:17,640 --> 00:06:15,400
this free show stays free of obnoxious

137
00:06:19,230 --> 00:06:17,650
ads besides this one randomly sprinkled

138
00:06:21,270 --> 00:06:19,240

throughout the program trying to sell

139

00:06:24,030 --> 00:06:21,280

you coffee or magic plates or whatever

140

00:06:24,990 --> 00:06:24,040

other you know hoodoo nonsense that

141

00:06:28,440 --> 00:06:25,000

people are trying to get you to buy

142

00:06:29,670 --> 00:06:28,450

nowadays on this type of program so you

143

00:06:30,990 --> 00:06:29,680

know you can go there a patron ah come

144

00:06:33,090 --> 00:06:31,000

forward slash denna flora support the

145

00:06:34,770 --> 00:06:33,100

show you get tons of perks to support

146

00:06:36,510 --> 00:06:34,780

just like a show at the top of the

147

00:06:38,910 --> 00:06:36,520

program which I kind of missed but you

148

00:06:40,980 --> 00:06:38,920

know there's the text is small and the

149

00:06:42,780 --> 00:06:40,990

monitor is far away and I forgot to make

150

00:06:44,820 --> 00:06:42,790

it larger so again a special shout-out

151
00:06:47,850 --> 00:06:44,830
to our den mother Ellen Pat from

152
00:06:49,170 --> 00:06:47,860
Brooklyn mrs. Fox and Shafa so again

153
00:06:51,810 --> 00:06:49,180
thank you very much for supporting the

154
00:06:53,730 --> 00:06:51,820
relaunch to relaunched relaunched den of

155
00:06:55,890 --> 00:06:53,740
lore and we're coming up on our fourth

156
00:06:57,810 --> 00:06:55,900
year thirty or fourth year fourth year

157
00:07:00,690 --> 00:06:57,820
almost I think maybe it's the third year

158
00:07:02,400 --> 00:07:00,700
it's a long time so and again we get to

159
00:07:04,470 --> 00:07:02,410
have individuals such as yourself

160
00:07:06,810 --> 00:07:04,480
layered back on the show and I was

161
00:07:08,160 --> 00:07:06,820
joking that you're kind of the measuring

162
00:07:09,810 --> 00:07:08,170
stick as to whether I can do a good show

163
00:07:19,580 --> 00:07:09,820

or not because if I can't get a good

164

00:07:26,010 --> 00:07:23,360

well I'm assuming that this is a family

165

00:07:27,720 --> 00:07:26,020

affair we don't we do we don't even

166

00:07:29,070 --> 00:07:27,730

really swear on this show anymore people

167

00:07:30,510 --> 00:07:29,080

so it's okay

168

00:07:32,460 --> 00:07:30,520

but you know if you would like me to

169

00:07:35,280 --> 00:07:32,470

take my shirt off go to dinner floor

170

00:07:37,260 --> 00:07:35,290

comm ford slash you know and donate and

171

00:07:38,880 --> 00:07:37,270

then hit that donate button and with a

172

00:07:43,260 --> 00:07:38,890

large enough of a mountain maybe it'll

173

00:07:51,630 --> 00:07:43,270

maybe it'll happen at least not on this

174

00:07:53,880 --> 00:07:51,640

one mom maybe find out so weird oh it's

175

00:07:54,840 --> 00:07:53,890

like a community radio telephones where

176

00:07:56,340 --> 00:07:54,850

it's like we're just gonna keep talking

177

00:07:58,620 --> 00:07:56,350

until you donate when you donate then

178

00:07:59,670 --> 00:07:58,630

we'll play a song it works and it's

179

00:08:02,520 --> 00:07:59,680

raised a lot of money for very good

180

00:08:06,020 --> 00:08:02,530

causes now speaking of a good cause you

181

00:08:10,890 --> 00:08:06,030

have been doing a fair amount of work

182

00:08:14,700 --> 00:08:10,900

with studying the cosmology of the Dogon

183

00:08:19,320 --> 00:08:14,710

and the dog on the Mowery now you have

184

00:08:22,050 --> 00:08:19,330

moved on to the connections with Hindu

185

00:08:23,430 --> 00:08:22,060

cosmology and I'm you know knowing that

186

00:08:24,930 --> 00:08:23,440

you just released this book I knew that

187

00:08:25,740 --> 00:08:24,940

I had to get you on because I know that

188

00:08:30,720 --> 00:08:25,750

it's gonna be a good show

189

00:08:35,730 --> 00:08:30,730

so how like first and foremost how would

190

00:08:37,800 --> 00:08:35,740

you decide to look into the you know

191

00:09:02,320 --> 00:08:37,810

Ganesha mythos and in cosmology what was

192

00:09:06,980 --> 00:09:05,690

actually oh sorry about that Laird I

193

00:09:11,600 --> 00:09:06,990

think I'm actually having a little of an

194

00:09:13,160 --> 00:09:11,610

issue on my end with your volume I'm

195

00:09:14,270 --> 00:09:13,170

hearing you but I'm not I'm not and it's

196

00:09:18,140 --> 00:09:14,280

not coming through so give me just one

197

00:09:20,720 --> 00:09:18,150

second here this is so ladies and

198

00:09:22,610 --> 00:09:20,730

gentlemen you were seeing on the fly

199

00:09:43,640 --> 00:09:22,620

that's why I'll show you audio capture

200

00:09:47,330 --> 00:09:43,650

and we're going to do Lance I'm trying

201
00:09:49,070 --> 00:09:47,340
to get the speakers out try one let's

202
00:09:50,030 --> 00:09:49,080
let's try that one how about now Larry

203
00:09:51,920 --> 00:09:50,040
can you can you can you

204
00:09:53,360 --> 00:09:51,930
I could hear you can you hear me I can

205
00:09:55,930 --> 00:09:53,370
hear you fine sorry about that ladies

206
00:10:00,860 --> 00:09:55,940
and gentlemen again there's we have that

207
00:10:02,840 --> 00:10:00,870
sorted out okay well I so are we ready

208
00:10:07,190 --> 00:10:02,850
to have a launch here we're ready to go

209
00:10:09,140 --> 00:10:07,200
okay well I was gonna say that during 60

210
00:10:11,810 --> 00:10:09,150
years of research between when the Dogon

211
00:10:13,640 --> 00:10:11,820
started being studied when I began

212
00:10:16,340 --> 00:10:13,650
looking into them not a single

213
00:10:19,880 --> 00:10:16,350

researcher to my knowledge had any sense

214

00:10:22,520 --> 00:10:19,890

of a connection to India from the Dogon

215

00:10:27,130 --> 00:10:22,530

I haven't seen it mention of it anywhere

216

00:10:29,870 --> 00:10:27,140

it's not an obvious connection however

217

00:10:32,510 --> 00:10:29,880

there are hints of it when you look at

218

00:10:35,530 --> 00:10:32,520

Dogon language the Dogon language has is

219

00:10:39,970 --> 00:10:35,540

unclassifiable Tecna technically because

220

00:10:42,230 --> 00:10:39,980

they preserves 17 subgroups of languages

221

00:10:44,540 --> 00:10:42,240

and they're very careful about keeping

222

00:10:45,860 --> 00:10:44,550

the words pure and at the meaning is

223

00:10:48,020 --> 00:10:45,870

pure and so forth that some of those

224

00:10:51,140 --> 00:10:48,030

words are tommy'll words which come out

225

00:10:53,180 --> 00:10:51,150

of India some of them are true arguably

226

00:10:56,390 --> 00:10:53,190

Turkish words some are ancient Egyptian

227

00:11:00,070 --> 00:10:56,400

words but the Tamil words suggested

228

00:11:04,060 --> 00:11:00,080

in some contact in the past with India

229

00:11:06,230 --> 00:11:04,070

but it's not until you get into

230

00:11:08,510 --> 00:11:06,240

comparative studies between cultures

231

00:11:12,350 --> 00:11:08,520

that you start to see that there are

232

00:11:14,030 --> 00:11:12,360

potential connections between the two it

233

00:11:16,220 --> 00:11:14,040

took a while team and even sort those

234

00:11:18,130 --> 00:11:16,230

out I bet I've been wanting to write

235

00:11:20,840 --> 00:11:18,140

this book about Ganesha for a long time

236

00:11:21,620 --> 00:11:20,850

this is a material that's very close to

237

00:11:23,900 --> 00:11:21,630

my heart

238

00:11:27,290 --> 00:11:23,910

recent I have always been very fond of

239

00:11:30,830 --> 00:11:27,300

Ganesha Ganesha is one of the most

240

00:11:33,350 --> 00:11:30,840

beloved Hindu deities celebrated by

241

00:11:36,190 --> 00:11:33,360

cultures all across India and Asia there

242

00:11:40,580 --> 00:11:36,200

are millions and millions of people in

243

00:11:43,990 --> 00:11:40,590

various forms with a wide variety of

244

00:11:47,360 --> 00:11:44,000

different kinds of mythology

245

00:11:50,450 --> 00:11:47,370

wide variance in the names that the that

246

00:11:53,390 --> 00:11:50,460

Ganesh is called a lot of difference in

247

00:11:55,010 --> 00:11:53,400

the way the Ganesh is represented in one

248

00:11:57,230 --> 00:11:55,020

one culture of Ganesha is even

249

00:12:00,890 --> 00:11:57,240

represented as having a human head not

250

00:12:05,210 --> 00:12:00,900

an elephant's head in one culture

251

00:12:07,420 --> 00:12:05,220

Ganesha has multiple heads but there's

252

00:12:11,140 --> 00:12:07,430

certain identifying characteristics

253

00:12:17,270 --> 00:12:13,550

language really is the first entry point

254

00:12:21,110 --> 00:12:17,280

that makes the connection for us there's

255

00:12:24,320 --> 00:12:21,120

a well-known Yale professor by the name

256

00:12:26,540 --> 00:12:24,330

of Phyllis Granoff who wrote a famous

257

00:12:30,650 --> 00:12:26,550

article about Ganesha I called Ganesha

258

00:12:32,750 --> 00:12:30,660

as metaphor and she was working from

259

00:12:36,070 --> 00:12:32,760

Sanskrit texts that have not been

260

00:12:41,140 --> 00:12:36,080

translated to my knowledge in English a

261

00:12:43,480 --> 00:12:41,150

text called the mudgala purana it's a

262

00:12:47,660 --> 00:12:43,490

text that's devoted specifically to

263

00:12:51,610 --> 00:12:47,670

Ganesha and Ganesha origins and she

264

00:12:55,450 --> 00:12:51,620

could see working with this text that

265

00:12:57,950 --> 00:12:55,460

when they were discussing eight

266

00:12:59,960 --> 00:12:57,960

incarnations of Ganesha she could see

267

00:13:01,880 --> 00:12:59,970

that those eight incarnations were being

268

00:13:04,140 --> 00:13:01,890

presented as if they were a progressive

269

00:13:06,660 --> 00:13:04,150

stages of creation

270

00:13:08,490 --> 00:13:06,670

but she didn't have a context in which

271

00:13:10,260 --> 00:13:08,500

to understand what they were talking

272

00:13:14,460 --> 00:13:10,270

about she could see that's what they

273

00:13:16,050 --> 00:13:14,470

meant so she discusses them in her in

274

00:13:17,940 --> 00:13:16,060

her article and she presents a lot of

275

00:13:21,600 --> 00:13:17,950

the evidence as to Hawaii

276

00:13:22,290 --> 00:13:21,610

this is cosmological information but she

277

00:13:24,570 --> 00:13:22,300

doesn't really have a way of

278

00:13:27,750 --> 00:13:24,580

understanding what it is not part of the

279

00:13:29,310 --> 00:13:27,760

problem for scholars in India is that no

280

00:13:31,470 --> 00:13:29,320

matter what field of study you approach

281

00:13:35,100 --> 00:13:31,480

this material from whether it's art

282

00:13:37,170 --> 00:13:35,110

whether it's ancient texts that the

283

00:13:39,390 --> 00:13:37,180

material only goes back so far the art I

284

00:13:43,769 --> 00:13:39,400

think only goes back to around the early

285

00:13:46,670 --> 00:13:43,779

centuries ad and the texts go back as

286

00:13:50,310 --> 00:13:46,680

far as as the very late centuries BC and

287

00:13:53,550 --> 00:13:50,320

yet each researcher in his own contacts

288

00:13:55,170 --> 00:13:53,560

his or her own context is eventually

289

00:13:59,400 --> 00:13:55,180

comments well you know there are reasons

290

00:14:01,079 --> 00:13:59,410

why we understand that the material must

291

00:14:03,180 --> 00:14:01,089

be much older than that and just didn't

292

00:14:05,790 --> 00:14:03,190

survive because there are indications

293

00:14:09,930 --> 00:14:05,800

here that go way way way back that

294

00:14:12,150 --> 00:14:09,940

Ganesha was celebrated like tribal

295

00:14:15,390 --> 00:14:12,160

groups very far back in India's history

296

00:14:18,660 --> 00:14:15,400

no I know that the the common conception

297

00:14:23,820 --> 00:14:18,670

is that she had emerged as deity in

298

00:14:26,519 --> 00:14:23,830

around 200 BC or 2nd century BC so it

299

00:14:28,769 --> 00:14:26,529

you know if we're talking about you know

300

00:14:32,310 --> 00:14:28,779

deity that has been worshipped and

301
00:14:35,130 --> 00:14:32,320
venerated from ancient times that seems

302
00:14:36,510 --> 00:14:35,140
you know to your you know to your

303
00:14:38,370 --> 00:14:36,520
average think our average researcher

304
00:14:41,250 --> 00:14:38,380
that it's a little bit of a stretch can

305
00:14:44,120 --> 00:14:41,260
you speak to that well the the Dogon

306
00:14:48,329 --> 00:14:44,130
references are much older of course

307
00:14:53,910 --> 00:14:48,339
Ganesha as is this treated as the first

308
00:14:58,470 --> 00:14:53,920
son of sati or Parvati and Shiva who is

309
00:15:00,360 --> 00:14:58,480
the the male God but with very many of

310
00:15:03,090 --> 00:15:00,370
the same characteristics that Ganesha

311
00:15:06,570 --> 00:15:03,100
has but that material goes back as as we

312
00:15:11,070 --> 00:15:06,580
say to at best a few hundred years BC

313
00:15:13,770 --> 00:15:11,080

and the Dogon the trail picks up at

314

00:15:17,590 --> 00:15:13,780

around 3000 BC so we have three thousand

315

00:15:20,050 --> 00:15:17,600

year gap there in in information

316

00:15:22,080 --> 00:15:20,060

but framed in relation to many of the

317

00:15:25,930 --> 00:15:22,090

same phonetics and many of the same

318

00:15:27,160 --> 00:15:25,940

words but 3,000 years worth the time for

319

00:15:30,480 --> 00:15:27,170

the meanings of the words to have

320

00:15:33,850 --> 00:15:30,490

evolved and 3,000 years for the

321

00:15:36,610 --> 00:15:33,860

impression of the concepts to have

322

00:15:38,890 --> 00:15:36,620

changed at 3000 BC you have what looks

323

00:15:41,740 --> 00:15:38,900

like scientific descriptions you don't

324

00:15:43,840 --> 00:15:41,750

have anthropomorphize idiots

325

00:15:46,690 --> 00:15:43,850

particularly as a matter of fact with

326

00:15:48,460 --> 00:15:46,700

the Dogon we catch them in the very act

327

00:15:52,930 --> 00:15:48,470

of anthropomorphizing a cosmological

328

00:15:55,660 --> 00:15:52,940

concept with one of their diagrams that

329

00:15:57,190 --> 00:15:55,670

directly relates to Ganesha okay would

330

00:15:59,230 --> 00:15:57,200

you able to explain this a little a

331

00:16:04,090 --> 00:15:59,240

little in depth and in terms of how they

332

00:16:10,210 --> 00:16:04,100

were able to do that okay the that the

333

00:16:12,730 --> 00:16:10,220

Dogon they discuss concepts of creation

334

00:16:16,030 --> 00:16:12,740

and they associate them with drawings

335

00:16:17,860 --> 00:16:16,040

that are used to illustrate them and so

336

00:16:20,320 --> 00:16:17,870

one of the keys they're talking about

337

00:16:23,710 --> 00:16:20,330

how how particles of matter form from

338

00:16:26,230 --> 00:16:23,720

waves and they understand that matter

339

00:16:28,150 --> 00:16:26,240

begins as waves and they understand that

340

00:16:31,030 --> 00:16:28,160

it ends up like an atom and in between

341

00:16:33,040 --> 00:16:31,040

there are some significant stages and

342

00:16:37,420 --> 00:16:33,050

structures that they define and the

343

00:16:41,620 --> 00:16:37,430

first coherent structure is called the

344

00:16:43,630 --> 00:16:41,630

Popeil ooh it's represents a spiral of

345

00:16:46,630 --> 00:16:43,640

matter that supposedly exists in every

346

00:16:48,460 --> 00:16:46,640

point in space and time and that spiral

347

00:16:50,490 --> 00:16:48,470

of matter can be looked at a couple of

348

00:16:53,110 --> 00:16:50,500

different ways and these are really

349

00:16:55,540 --> 00:16:53,120

they're indications that these are our

350

00:16:57,940 --> 00:16:55,550

dimensional views from some points they

351
00:17:03,190 --> 00:16:57,950
are geometric views from one point of

352
00:17:06,699 --> 00:17:03,200
view so the structure has eight stages

353
00:17:09,250 --> 00:17:06,709
to it seven physical stages and one

354
00:17:13,090 --> 00:17:09,260
conceptual one and one way the Dogon

355
00:17:15,660 --> 00:17:13,100
represented is as seven rays of a star

356
00:17:18,550 --> 00:17:15,670
that are emitted from a single point

357
00:17:20,829 --> 00:17:18,560
these are rays of increasing length and

358
00:17:24,850 --> 00:17:20,839
so you end up with what looked like

359
00:17:27,130 --> 00:17:24,860
little line lines of rays of light

360
00:17:30,270 --> 00:17:27,140
coming out of a central point that

361
00:17:32,700 --> 00:17:30,280
because they get longer as they emerge

362
00:17:35,160 --> 00:17:32,710
you can draw you can describe a spiral

363
00:17:36,020 --> 00:17:35,170

around them a Fibonacci spiral around

364

00:17:39,780 --> 00:17:36,030

them hmm

365

00:17:42,600 --> 00:17:39,790

okay they refer to the structure as the

366

00:17:45,300 --> 00:17:42,610

Popol ooh which also means the egg of

367

00:17:48,810 --> 00:17:45,310

the world or you can think of it as the

368

00:17:51,300 --> 00:17:48,820

spiral of the world now those rays those

369

00:17:52,830 --> 00:17:51,310

seven rays there's another little game

370

00:17:55,740 --> 00:17:52,840

they like to play with those seven rays

371

00:18:00,000 --> 00:17:55,750

they like to make a little stick figure

372

00:18:02,940 --> 00:18:00,010

out of it they take the top two rays and

373

00:18:05,280 --> 00:18:02,950

make them into a head and then depending

374

00:18:07,560 --> 00:18:05,290

on one of two views they either then

375

00:18:10,350 --> 00:18:07,570

make the next two rays in the arms the

376

00:18:13,890 --> 00:18:10,360

next two rays in two legs and the last

377

00:18:16,740 --> 00:18:13,900

ray into a single task or what they it

378

00:18:19,260 --> 00:18:16,750

can be referred to as the sex of the the

379

00:18:23,010 --> 00:18:19,270

Popeil ooh but the word for sex also

380

00:18:26,760 --> 00:18:23,020

could mean tusks the second way the

381

00:18:29,580 --> 00:18:26,770

anthropomorphize it is with to raise as

382

00:18:33,030 --> 00:18:29,590

a head the next four raised as arms and

383

00:18:38,060 --> 00:18:33,040

the last ray a leg that that figure is

384

00:18:42,840 --> 00:18:40,020

quintessential representations of

385

00:18:46,200 --> 00:18:42,850

Ganesha in India in art he's represented

386

00:18:48,510 --> 00:18:46,210

primarily in two ways one is where as to

387

00:18:50,730 --> 00:18:48,520

armed with a single tusks and the other

388

00:18:52,350 --> 00:18:50,740

one is I mean as as to armed with a

389

00:18:57,630 --> 00:18:52,360

single task and the other one is s4 I'm

390

00:18:59,610 --> 00:18:57,640

dancing on one leg now so that's that's

391

00:19:02,040 --> 00:18:59,620

very suggestive from the outside just

392

00:19:04,830 --> 00:19:02,050

realizing a bit that they've somehow

393

00:19:08,480 --> 00:19:04,840

coincidentally match these two poses is

394

00:19:11,280 --> 00:19:08,490

very suggestive turns out the word P Liu

395

00:19:14,970 --> 00:19:11,290

has significance in various ancient

396

00:19:18,350 --> 00:19:14,980

languages it's in Turkish and in the

397

00:19:21,780 --> 00:19:18,360

Tamiya language in in other languages

398

00:19:25,530 --> 00:19:21,790

Pele can refer to the concept of an

399

00:19:27,870 --> 00:19:25,540

elephant the concept of a task it can

400

00:19:29,730 --> 00:19:27,880

refer to the color color white it can

401
00:19:33,770 --> 00:19:29,740
refer to the concept of a Sun these are

402
00:19:38,240 --> 00:19:33,780
all icon iconic attributes of cognition

403
00:19:42,060 --> 00:19:38,250
so now we have the two poses

404
00:19:43,890 --> 00:19:42,070
corresponding to a name Popeil ooh that

405
00:19:45,810 --> 00:19:43,900
links to all these attributes of Ganesh

406
00:19:49,290 --> 00:19:45,820
- it's more than coincidental I was

407
00:19:51,420 --> 00:19:49,300
taught by by my science teachers that

408
00:19:54,180 --> 00:19:51,430
when you bump up against the first

409
00:19:55,650 --> 00:19:54,190
coincidence it's time to start

410
00:19:58,980 --> 00:19:55,660
considering whether there's something

411
00:20:01,020 --> 00:19:58,990
going on besides coincidence that a

412
00:20:02,760 --> 00:20:01,030
coincidence is supposed to be taken as a

413
00:20:05,100 --> 00:20:02,770

thing you know one in a thousand chance

414

00:20:08,100 --> 00:20:05,110

that that two things could align with

415

00:20:10,140 --> 00:20:08,110

each other when you start getting into

416

00:20:12,299 --> 00:20:10,150

two and three coincidences you've pushed

417

00:20:14,370 --> 00:20:12,309

it beyond the point where a reasonable

418

00:20:15,870 --> 00:20:14,380

person should should believe in it's

419

00:20:17,490 --> 00:20:15,880

coincidence anymore if you have that

420

00:20:20,990 --> 00:20:17,500

much tolerance for coincidence

421

00:20:24,330 --> 00:20:21,000

you don't have a scientific mindset now

422

00:20:27,360 --> 00:20:24,340

Ganesha has close to 32 forms from

423

00:20:29,790 --> 00:20:27,370

actually 32 forms so if if we're only

424

00:20:31,620 --> 00:20:29,800

talking about one particular form you

425

00:20:34,799 --> 00:20:31,630

know that could be conceived as a little

426

00:20:39,299 --> 00:20:34,809

bit of a coincidence but how does it

427

00:20:43,350 --> 00:20:39,309

match up against 30 - well over 3,000

428

00:20:47,700 --> 00:20:43,360

years and seeing how India India's

429

00:20:51,240 --> 00:20:47,710

culture loved to play with a

430

00:20:54,810 --> 00:20:51,250

representation of things it's a the the

431

00:20:56,970 --> 00:20:54,820

audience for cosmology in India wasn't

432

00:20:59,220 --> 00:20:56,980

satisfied with just a description of

433

00:21:00,840 --> 00:20:59,230

something if there was any nuance to

434

00:21:03,900 --> 00:21:00,850

that description at all they'd want to

435

00:21:06,540 --> 00:21:03,910

know why how come how come Ganesha has

436

00:21:11,610 --> 00:21:06,550

an elephant's head how did that happen

437

00:21:13,410 --> 00:21:11,620

how come Sheba is it is said to have

438

00:21:15,090 --> 00:21:13,420

beheaded him

439

00:21:16,200 --> 00:21:15,100

how come Shiva wasn't there when he was

440

00:21:21,169 --> 00:21:16,210

born how could she would not know

441

00:21:24,600 --> 00:21:21,179

Ganesha was the son of sati or Parvati

442

00:21:26,040 --> 00:21:24,610

so every time the audience would ask one

443

00:21:29,790 --> 00:21:26,050

of those questions you'd see another

444

00:21:32,940 --> 00:21:29,800

mythic form mythical storyline of a myth

445

00:21:36,090 --> 00:21:32,950

pop up whose purpose seemed to be to

446

00:21:38,250 --> 00:21:36,100

explain in that next question and so

447

00:21:43,169 --> 00:21:38,260

it's easy to imagine over time how what

448

00:21:48,210 --> 00:21:43,179

began as to descriptive poses ended up

449

00:21:50,430 --> 00:21:48,220

as 30 or more descriptive poses and even

450

00:21:51,870 --> 00:21:50,440

more if you consider what artists will

451
00:21:56,000 --> 00:21:51,880
tend to do with the figure even in terms

452
00:22:01,190 --> 00:21:57,740
any popular figure in modern art that's

453
00:22:02,750 --> 00:22:01,200
been around for 2,000 years you see how

454
00:22:04,190 --> 00:22:02,760
many different presentations there are

455
00:22:06,410 --> 00:22:04,200
of the same thing that have evolved over

456
00:22:08,960 --> 00:22:06,420
time you can't imagine that all of those

457
00:22:11,300 --> 00:22:08,970
were original so part of what we're

458
00:22:13,430 --> 00:22:11,310
trying to do is arrive at original forms

459
00:22:16,430 --> 00:22:13,440
and the Dogon are our next excellent

460
00:22:20,150 --> 00:22:16,440
place to do that because the Dogon as a

461
00:22:22,430 --> 00:22:20,160
culture prioritize the preservation of

462
00:22:28,070 --> 00:22:22,440
original forms with everything with

463
00:22:31,810 --> 00:22:28,080

language with word meanings with myths

464

00:22:34,550 --> 00:22:31,820

myths storylines of myths with diagrams

465

00:22:36,710 --> 00:22:34,560

that go along with their cosmology even

466

00:22:39,020 --> 00:22:36,720

with their civic practices you can

467

00:22:41,030 --> 00:22:39,030

predict what ancient Egyptians were

468

00:22:44,690 --> 00:22:41,040

doing at 3,000 BC if you know what the

469

00:22:47,000 --> 00:22:44,700

Dogon are doing now there's a predictive

470

00:22:48,500 --> 00:22:47,010

element there I have a high degree of

471

00:22:50,480 --> 00:22:48,510

confidence that anything the element

472

00:22:52,430 --> 00:22:50,490

that the Dogon are doing today

473

00:22:54,380 --> 00:22:52,440

will be able to find produce evidence

474

00:23:00,630 --> 00:22:54,390

that the ancient Egyptians did it at

475

00:23:06,159 --> 00:23:04,390

Comparative cosmology and you know if

476
00:23:10,120 --> 00:23:06,169
you you had mentioned that there were

477
00:23:11,860 --> 00:23:10,130
multiple you know crosses or or

478
00:23:16,000 --> 00:23:11,870
references that could be attributed back

479
00:23:17,620 --> 00:23:16,010
from the Arkin ography of Ganesha to the

480
00:23:19,360 --> 00:23:17,630
Dogon what are some of the other ones

481
00:23:24,310 --> 00:23:19,370
that that that you were found within

482
00:23:28,810 --> 00:23:24,320
your studies that many of the Dogon

483
00:23:34,270 --> 00:23:28,820
words let's back us up a little bit okay

484
00:23:39,870 --> 00:23:34,280
we see in Hinduism we see deities

485
00:23:43,149 --> 00:23:39,880
presented in relation to dual phonetics

486
00:23:46,000 --> 00:23:43,159
Ganesha's mother's name is sati these

487
00:23:48,100 --> 00:23:46,010
are in English two letter syllables that

488
00:23:50,950 --> 00:23:48,110

are combined together and the Dogon

489

00:23:52,779 --> 00:23:50,960

language preserves those original

490

00:23:54,010 --> 00:23:52,789

syllables and provides us with clear

491

00:23:58,690 --> 00:23:54,020

definitions of what each of those

492

00:24:00,490 --> 00:23:58,700

syllables means it's also true that many

493

00:24:03,820 --> 00:24:00,500

of the ancient Egyptian words are built

494

00:24:06,730 --> 00:24:03,830

on the same phonetics many of the Dogon

495

00:24:08,409 --> 00:24:06,740

words I mean also predictably many of

496

00:24:10,000 --> 00:24:08,419

the Dogon cosmological words you can go

497

00:24:12,220 --> 00:24:10,010

to an Egyptian hieroglyphic dictionary

498

00:24:14,080 --> 00:24:12,230

and find the same cluster of meanings

499

00:24:15,610 --> 00:24:14,090

that go with the Dogon word in the

500

00:24:19,720 --> 00:24:15,620

Egyptian hieroglyphic dictionary under

501
00:24:22,930 --> 00:24:19,730
the same phonetics the particular form

502
00:24:27,070 --> 00:24:22,940
the Duggan's phonetics are in happen to

503
00:24:29,350 --> 00:24:27,080
be sort of root building blocks in Maori

504
00:24:31,149 --> 00:24:29,360
language in New Zealand looking at the

505
00:24:33,399 --> 00:24:31,159
Maori dictionary I can predict what a

506
00:24:35,590 --> 00:24:33,409
Maori word is going to represent based

507
00:24:37,210 --> 00:24:35,600
on its phonetics because it's made it's

508
00:24:40,990 --> 00:24:37,220
constructed from the same building

509
00:24:43,419 --> 00:24:41,000
blocks I know that the phonetic saw

510
00:24:44,830 --> 00:24:43,429
refers to knowledge and there are

511
00:24:46,330 --> 00:24:44,840
multiple meanings that can go with these

512
00:24:50,020 --> 00:24:46,340
phonetics they also have clusters of

513
00:24:52,539 --> 00:24:50,030

meanings but the phonetics define root

514

00:24:55,659 --> 00:24:52,549

concepts and so when you put the

515

00:24:57,460 --> 00:24:55,669

phonetics together you can use them as

516

00:25:02,080 --> 00:24:57,470

building blocks to construct the meaning

517

00:25:03,669 --> 00:25:02,090

of a more complicated word now if the if

518

00:25:06,909 --> 00:25:03,679

these words had been originated with in

519

00:25:09,130 --> 00:25:06,919

3000 BC obviously human migration can be

520

00:25:12,580 --> 00:25:09,140

done fairly quickly I think I once

521

00:25:13,250 --> 00:25:12,590

calculated you could walk from Cairo if

522

00:25:17,930 --> 00:25:13,260

I figured it was

523

00:25:20,630 --> 00:25:17,940

was Cairo too uh was it like Cairo to

524

00:25:22,580 --> 00:25:20,640

Spain and it would take you like

525

00:25:25,910 --> 00:25:22,590

something stupid like 25 hours maybe

526

00:25:28,400 --> 00:25:25,920

baby was Cairo to to Jerusalem and it

527

00:25:29,660 --> 00:25:28,410

was like a 25 hour walk or light not 25

528

00:25:32,510 --> 00:25:29,670

hour walk but it you know it would take

529

00:25:34,310 --> 00:25:32,520

you about like 25 days instead of like

530

00:25:35,990 --> 00:25:34,320

you know going around in circles for 40

531

00:25:37,880 --> 00:25:36,000

years it's it's a very very short

532

00:25:42,500 --> 00:25:37,890

distance all right

533

00:25:45,530 --> 00:25:42,510

so how how did these Dogon terms like

534

00:25:47,600 --> 00:25:45,540

what is the the progression from the

535

00:25:50,480 --> 00:25:47,610

middle of Africa sub sub sub Saharan

536

00:25:53,780 --> 00:25:50,490

Africa to the the subcontinent

537

00:25:57,970 --> 00:25:53,790

it seems that there you know there may

538

00:26:00,560 --> 00:25:57,980

have been an ample opportunity for

539

00:26:02,600 --> 00:26:00,570

exchange of ideas especially with the

540

00:26:07,310 --> 00:26:02,610

Indus Valley having a tremendous amount

541

00:26:09,890 --> 00:26:07,320

of influence with trade in Mesopotamia

542

00:26:13,520 --> 00:26:09,900

during meal 6000 BC and up until its

543

00:26:15,920 --> 00:26:13,530

disappearance how you know were these

544

00:26:18,770 --> 00:26:15,930

concepts gradual over time or did they

545

00:26:20,780 --> 00:26:18,780

appear originally within the

546

00:26:24,310 --> 00:26:20,790

subcontinent at about the same time as

547

00:26:27,020 --> 00:26:24,320

with the Dogon from my point of view

548

00:26:29,510 --> 00:26:27,030

that I'm tracking the cosmological

549

00:26:32,690 --> 00:26:29,520

tradition which is a symbolic tradition

550

00:26:34,730 --> 00:26:32,700

but it's associated with civilizing

551
00:26:39,980 --> 00:26:34,740
skills it's associated with agriculture

552
00:26:43,340 --> 00:26:39,990
with stone masonry metallurgy animal

553
00:26:44,960 --> 00:26:43,350
husbandry pottery there's a whole

554
00:26:47,390 --> 00:26:44,970
cluster of skills that make their first

555
00:26:50,560 --> 00:26:47,400
appearance in the region of Gobekli Tepe

556
00:26:54,770 --> 00:26:50,570
and in the Fertile Crescent at around

557
00:26:56,830 --> 00:26:54,780
9,000 BC and they migrate outward from

558
00:26:59,180 --> 00:26:56,840
there sort of radially you can try

559
00:27:02,270 --> 00:26:59,190
researchers have tracked them following

560
00:27:04,310 --> 00:27:02,280
DNA following language following

561
00:27:07,640 --> 00:27:04,320
civilizing skills they can demonstrate

562
00:27:09,020 --> 00:27:07,650
what directions they moved in and how

563
00:27:11,870 --> 00:27:09,030

quickly they arrived at certain places

564

00:27:15,590 --> 00:27:11,880

they move by one path transmission they

565

00:27:19,310 --> 00:27:15,600

move south and eastward down through

566

00:27:23,210 --> 00:27:19,320

what became India as far as as far south

567

00:27:26,390 --> 00:27:23,220

and east as Australia actually that's

568

00:27:30,590 --> 00:27:26,400

one path of transmission another path of

569

00:27:35,450 --> 00:27:30,600

mission flows down from turkey into the

570

00:27:40,310 --> 00:27:35,460

region of Palestine and then seems to

571

00:27:43,720 --> 00:27:40,320

make a jump by sea hmm from Palestine to

572

00:27:47,930 --> 00:27:43,730

the tip of northern Africa and on to

573

00:27:49,700 --> 00:27:47,940

northern Scotland there are other stops

574

00:27:51,170 --> 00:27:49,710

in between actually this would be the

575

00:27:55,010 --> 00:27:51,180

subject matter of a book I'm presently

576
00:27:57,530 --> 00:27:55,020
working on is tracking precisely how it

577
00:28:00,730 --> 00:27:57,540
got from the Fertile Crescent region to

578
00:28:03,620 --> 00:28:00,740
Orkney and with what stops in between

579
00:28:04,880 --> 00:28:03,630
and in our past interviews and you can

580
00:28:06,260 --> 00:28:04,890
go check those out on our YouTube

581
00:28:09,110 --> 00:28:06,270
channel and fairly certainly I still

582
00:28:13,190 --> 00:28:09,120
have them up we had discussed a

583
00:28:15,620 --> 00:28:13,200
considerable amount of the the teaching

584
00:28:18,760 --> 00:28:15,630
methods or at least the theorized

585
00:28:21,020 --> 00:28:18,770
teaching methods that were used within

586
00:28:22,430 --> 00:28:21,030
certain cultures or certain groups that

587
00:28:23,630 --> 00:28:22,440
were brought to a certain location and

588
00:28:27,140 --> 00:28:23,640

then basically thoughts

589

00:28:28,430 --> 00:28:27,150

you know all the things I talked about

590

00:28:29,830 --> 00:28:28,440

right exactly all those things you

591

00:28:33,740 --> 00:28:29,840

talked about so it's primarily

592

00:28:35,810 --> 00:28:33,750

agriculture and symbolic cosmology so it

593

00:28:40,720 --> 00:28:35,820

is that is there something very similar

594

00:28:45,410 --> 00:28:43,790

yes it is an extension of a Treaty of

595

00:28:49,730 --> 00:28:45,420

the tradition that began a gobekli tepe

596

00:28:51,410 --> 00:28:49,740

it was carried into India by way of the

597

00:28:53,480 --> 00:28:51,420

of a group called the Shakti cult which

598

00:28:55,880 --> 00:28:53,490

is a make matriarchal called an archaic

599

00:29:00,650 --> 00:28:55,890

called that still exists actually they

600

00:29:03,680 --> 00:29:00,660

they have a center of worship in on the

601
00:29:08,380 --> 00:29:03,690
sort of the east flank of the peninsula

602
00:29:13,910 --> 00:29:08,390
of India in a region called Orissa who

603
00:29:16,100 --> 00:29:13,920
now they also celebrate Ganesha but from

604
00:29:18,920 --> 00:29:16,110
their perspective Ganesha was the son of

605
00:29:23,690 --> 00:29:18,930
two mothers there are two mother

606
00:29:25,910 --> 00:29:23,700
goddesses who are explicitly claimed to

607
00:29:27,860 --> 00:29:25,920
have been the mothers tomb of the two

608
00:29:31,360 --> 00:29:27,870
mothers of Ganesha in Dogon tradition

609
00:29:33,000 --> 00:29:31,370
the Dogon say that if it were possible

610
00:29:35,039 --> 00:29:33,010
[Music]

611
00:29:36,740 --> 00:29:35,049
to take the DNA from two women and

612
00:29:41,700 --> 00:29:36,750
combine it you would create the perfect

613
00:29:43,380 --> 00:29:41,710

being that to their mode of thinking the

614

00:29:46,950 --> 00:29:43,390

perfect transmission of DNA would be

615

00:29:52,320 --> 00:29:46,960

from two mothers not from a mother and a

616

00:29:54,510 --> 00:29:52,330

father and how were they well is there a

617

00:29:56,760 --> 00:29:54,520

certain basis that they ascribe to this

618

00:30:02,909 --> 00:29:56,770

is there certain traits that they

619

00:30:05,250 --> 00:30:02,919

believe would lead to this they don't

620

00:30:07,350 --> 00:30:05,260

really explain the details of that they

621

00:30:09,930 --> 00:30:07,360

just make this statement that the

622

00:30:11,430 --> 00:30:09,940

observation that by the way if you could

623

00:30:14,460 --> 00:30:11,440

do that you'd produce the perfect being

624

00:30:17,299 --> 00:30:14,470

well we might see that as a carryover of

625

00:30:19,590 --> 00:30:17,309

the tradition from the Shakti cult where

626

00:30:21,810 --> 00:30:19,600

Ganesha has pretty much treated as the

627

00:30:26,190 --> 00:30:21,820

perfect being and he is in their

628

00:30:28,500 --> 00:30:26,200

estimation the son of two mothers in the

629

00:30:30,780 --> 00:30:28,510

Shakti cult the two goddesses are

630

00:30:37,350 --> 00:30:30,790

invariably pictured in the present in

631

00:30:39,919 --> 00:30:37,360

the in the company of Ganesha now the

632

00:30:42,299 --> 00:30:39,929

names of the the Hindu deities are

633

00:30:43,770 --> 00:30:42,309

formed to go back to language or form

634

00:30:45,180 --> 00:30:43,780

from the building blocks which I was

635

00:30:48,900 --> 00:30:45,190

talking about the phonetic building

636

00:30:50,940 --> 00:30:48,910

blocks that the Dogon preserve and from

637

00:30:56,980 --> 00:30:50,950

my perspective the Dogon preserve

638

00:30:58,570 --> 00:30:56,990

original meanings for those fanatics so

639

00:31:00,700 --> 00:30:58,580

when we start looking at attributes of

640

00:31:03,460 --> 00:31:00,710

Ganesha or our attributes of Ganesha's

641

00:31:07,750 --> 00:31:03,470

origins story that relate to those kinds

642

00:31:10,840 --> 00:31:07,760

of phonetics India has its take on what

643

00:31:13,090 --> 00:31:10,850

the word means but the word can also be

644

00:31:14,889 --> 00:31:13,100

examined in terms of what the the

645

00:31:17,590 --> 00:31:14,899

phonetic roots the Dogon phonetic roots

646

00:31:20,409 --> 00:31:17,600

represented to me so it's interesting

647

00:31:22,779 --> 00:31:20,419

that in India one of the names for

648

00:31:25,269 --> 00:31:22,789

Ganesha is Ganapati that's actually his

649

00:31:27,310 --> 00:31:25,279

alternate name in India he's known as as

650

00:31:28,950 --> 00:31:27,320

well as often by Ganapati as by a

651

00:31:34,060 --> 00:31:28,960

Ganesh

652

00:31:35,860 --> 00:31:34,070

Ganapati in sanskrit refers to the

653

00:31:37,930 --> 00:31:35,870

concept of the lord of the ganas that's

654

00:31:40,990 --> 00:31:37,940

the way it's interpreted with the gana

655

00:31:44,500 --> 00:31:41,000

as being an obscure concept it has its

656

00:31:46,539 --> 00:31:44,510

own detailed explanations for the Dogon

657

00:31:48,100 --> 00:31:46,549

if we trace back to this figure the

658

00:31:50,200 --> 00:31:48,110

Popey knew that I'm talking about which

659

00:31:54,000 --> 00:31:50,210

is the spiral of the world or the egg of

660

00:31:56,610 --> 00:31:54,010

the world the word gana means world and

661

00:32:00,490 --> 00:31:56,620

the word and the phonetic value PHA

662

00:32:01,960 --> 00:32:00,500

refers to the concept of rotating and

663

00:32:06,820 --> 00:32:01,970

extending which is the definition of a

664

00:32:09,399 --> 00:32:06,830

spiral so Ganapati in Dogon in terms of

665

00:32:13,779 --> 00:32:09,409

Dogon phonetics refers to the one of the

666

00:32:16,060 --> 00:32:13,789

world spiral in other words if we

667

00:32:18,159 --> 00:32:16,070

examine the Indian word in terms of the

668

00:32:20,220 --> 00:32:18,169

Dogon roots we hit precisely the Dogon

669

00:32:22,269 --> 00:32:20,230

definition of what the thing represents

670

00:32:24,210 --> 00:32:22,279

which is kind of mind-blowing if you

671

00:32:26,889 --> 00:32:24,220

think about it and that goes to the

672

00:32:28,600 --> 00:32:26,899

concept of well if you run into more

673

00:32:30,639 --> 00:32:28,610

than one coincidence and you have to

674

00:32:33,970 --> 00:32:30,649

start thinking about what that actually

675

00:32:38,110 --> 00:32:33,980

means right at some point of the process

676
00:32:40,180 --> 00:32:38,120
you have to sincerely consider is there

677
00:32:41,350 --> 00:32:40,190
linkage here and then start to pursue it

678
00:32:43,149 --> 00:32:41,360
and test it and see what are the

679
00:32:45,039 --> 00:32:43,159
boundaries of those of the

680
00:32:47,110 --> 00:32:45,049
correspondence between the two what I've

681
00:32:50,340 --> 00:32:47,120
discovered is there's pretty much

682
00:32:53,169 --> 00:32:50,350
complete correspondence here that that

683
00:32:56,830 --> 00:32:53,179
the symbolism that survives in India for

684
00:32:59,200 --> 00:32:56,840
Ganesha goes quite well hand in hand

685
00:33:01,570 --> 00:32:59,210
with the scientifically based symbolism

686
00:33:06,430 --> 00:33:01,580
that the Dogon represent that there are

687
00:33:10,750 --> 00:33:06,440
root concepts of energy that pertain to

688
00:33:13,659 --> 00:33:10,760

Ganesha and part of the process of

689

00:33:17,170 --> 00:33:13,669

sorting that out is understanding how

690

00:33:18,940 --> 00:33:17,180

how this very well it's

691

00:33:22,170 --> 00:33:18,950

to explain but in the end it's a very

692

00:33:26,160 --> 00:33:22,180

simple set of dynamics of how energy

693

00:33:29,110 --> 00:33:26,170

moves from the domain of wave-like

694

00:33:31,360 --> 00:33:29,120

existence to the domain of particle like

695

00:33:33,400 --> 00:33:31,370

existence that was the subject of my

696

00:33:37,540 --> 00:33:33,410

book seek from the primordial which is

697

00:33:39,130 --> 00:33:37,550

the previous selfish book trying to get

698

00:33:42,130 --> 00:33:39,140

down to the roots of what those that

699

00:33:45,240 --> 00:33:42,140

energy was well the Dogon say with their

700

00:33:47,530 --> 00:33:45,250

diagrams they begin their process begins

701

00:33:50,920 --> 00:33:47,540

one of the first one of the first major

702

00:33:52,180 --> 00:33:50,930

forms is a circle with the dot in the

703

00:33:56,490 --> 00:33:52,190

middle of it sort of that's the

704

00:33:59,260 --> 00:33:56,500

equivalent of the Egyptian Sun glyph and

705

00:34:01,450 --> 00:33:59,270

the Dogon refer to it as the egg and a

706

00:34:04,630 --> 00:34:01,460

ball the dot is the egg and the circle

707

00:34:06,940 --> 00:34:04,640

around it is the ball but what it

708

00:34:09,040 --> 00:34:06,950

actually represents when you get in into

709

00:34:10,570 --> 00:34:09,050

the detail descriptions that they don't

710

00:34:13,150 --> 00:34:10,580

give and what they're talking about how

711

00:34:15,850 --> 00:34:13,160

energy works you realize what it

712

00:34:19,060 --> 00:34:15,860

represents is the concept of angular

713

00:34:20,680 --> 00:34:19,070

momentum which is a concept of physics

714

00:34:24,390 --> 00:34:20,690

that pertains to spinning energy

715

00:34:30,250 --> 00:34:28,480

the way an astrophysicist diagrams an

716

00:34:32,740 --> 00:34:30,260

angular momentum is as a circuit as a

717

00:34:38,490 --> 00:34:32,750

circle with a sinner a circle with a dot

718

00:34:43,930 --> 00:34:41,590

starting at that point we then try to

719

00:34:45,700 --> 00:34:43,940

connect the the dots to the next Dogon

720

00:34:48,250 --> 00:34:45,710

figure the next conceptual figure for

721

00:34:52,090 --> 00:34:48,260

the Dogon is the spiral I was talking

722

00:34:54,280 --> 00:34:52,100

about which has the seven rays that can

723

00:34:58,210 --> 00:34:54,290

be conceptualized either as a spiral or

724

00:35:01,030 --> 00:34:58,220

as seven rays of a star there's an eight

725

00:35:04,750 --> 00:35:01,040

conceptual stage where the the longest

726

00:35:06,160 --> 00:35:04,760

rays ray of the star Pierce's an egg the

727

00:35:08,890 --> 00:35:06,170

shell of an egg that surrounds that

728

00:35:09,700 --> 00:35:08,900

spiral or those rays and when it

729

00:35:12,670 --> 00:35:09,710

Pierce's it

730

00:35:15,070 --> 00:35:12,680

that's the conceptual end of the first

731

00:35:17,530 --> 00:35:15,080

egg and it's the initiating point of the

732

00:35:19,330 --> 00:35:17,540

next egg and these eggs supposedly exist

733

00:35:22,660 --> 00:35:19,340

at every point in space and time this is

734

00:35:24,700 --> 00:35:22,670

how how what matter is based on

735

00:35:26,740 --> 00:35:24,710

well when we look into the concept of

736

00:35:30,039 --> 00:35:26,750

angular momentum from the standpoint of

737

00:35:35,349 --> 00:35:30,049

science the spinning energy we discover

738

00:35:38,109 --> 00:35:35,359

that spinning energy evokes a series of

739

00:35:40,000 --> 00:35:38,119

seven vectors in a plane that sits

740

00:35:41,769 --> 00:35:40,010

perpendicular to the spinning energy so

741

00:35:43,900 --> 00:35:41,779

if you may imagine a circle with a dot

742

00:35:47,789 --> 00:35:43,910

in the middle of it and the circle is

743

00:35:54,640 --> 00:35:51,730

suddenly that evokes what in fact are

744

00:35:56,259 --> 00:35:54,650

rays of light or rays of energy that are

745

00:35:58,509 --> 00:35:56,269

in a plan that sits perpendicular to

746

00:36:00,160 --> 00:35:58,519

that spinning energy seven rays that

747

00:36:03,039 --> 00:36:00,170

increase in length this time goes on the

748

00:36:06,309 --> 00:36:03,049

reason they increase is because as the

749

00:36:08,829 --> 00:36:06,319

energy is spinning it attains mass

750

00:36:11,829 --> 00:36:08,839

Einstein says that if you accelerate

751

00:36:15,039 --> 00:36:11,839

energy it becomes more massive as it

752

00:36:19,529 --> 00:36:15,049

becomes more massive you slow down its

753

00:36:26,319 --> 00:36:22,089

Einstein says that well the example

754

00:36:27,999 --> 00:36:26,329

Einstein gives is if you had a team of

755

00:36:29,829 --> 00:36:28,009

astronauts who were travelling in a

756

00:36:32,819 --> 00:36:29,839

spaceship at very close to the speed of

757

00:36:35,950 --> 00:36:32,829

light traveling away from the earth and

758

00:36:38,799 --> 00:36:35,960

then they returned back they would

759

00:36:40,539 --> 00:36:38,809

discover when they got here that all of

760

00:36:42,789 --> 00:36:40,549

their friends had aged much more than

761

00:36:45,099 --> 00:36:42,799

they had their friends might be old men

762

00:36:46,930 --> 00:36:45,109

and women now whereas for them only a

763

00:36:48,609 --> 00:36:46,940

few years had passed many years would

764

00:36:53,710 --> 00:36:48,619

have passed for the people on earth it's

765

00:36:55,569 --> 00:36:53,720

because when you accelerate a body it's

766

00:36:57,970 --> 00:36:55,579

the same thing as making it more massive

767

00:36:59,859 --> 00:36:57,980

and both things will cause this time

768

00:37:02,079 --> 00:36:59,869

frame to slow down a relative time frame

769

00:37:05,829 --> 00:37:02,089

to slow down time basically runs slower

770

00:37:10,390 --> 00:37:05,839

for a thing that's more massive so why

771

00:37:13,140 --> 00:37:10,400

would the dogon and you know the the

772

00:37:16,269 --> 00:37:13,150

shanti n' for that matter why would this

773

00:37:20,319 --> 00:37:16,279

information be encoded in allegory in

774

00:37:22,779 --> 00:37:20,329

you know diac trying to find the proper

775

00:37:25,180 --> 00:37:22,789

term in in the symbolism and iconography

776

00:37:27,819 --> 00:37:25,190

of a deity and and therefore you know if

777

00:37:29,890 --> 00:37:27,829

what you're saying is true then it's

778

00:37:31,299 --> 00:37:29,900

linked back to what the Dogon have said

779

00:37:33,970 --> 00:37:31,309

what you know I know that we've again

780

00:37:36,010 --> 00:37:33,980

talked at length on what

781

00:37:40,780 --> 00:37:36,020

the potential for material versus an

782

00:37:41,859 --> 00:37:40,790

immaterial world based on you know based

783

00:37:44,010 --> 00:37:41,869

on their their teaching in their

784

00:37:45,670 --> 00:37:44,020

cosmology but this seems to go into

785

00:37:48,070 --> 00:37:45,680

trying to be able to teach the

786

00:37:50,290 --> 00:37:48,080

fundamentals of the universe which we're

787

00:37:51,970 --> 00:37:50,300

starting to learn and have been you know

788

00:37:54,430 --> 00:37:51,980

researching for the last hundred or so

789

00:37:58,420 --> 00:37:54,440

years and trying to be able to you know

790

00:38:01,450 --> 00:37:58,430

produce spaceships with it or you know

791

00:38:02,800 --> 00:38:01,460

use it to peer across the galaxy at

792

00:38:06,970 --> 00:38:02,810

stars that are billions of light-years

793

00:38:10,060 --> 00:38:06,980

away what would what would a relatively

794

00:38:13,780 --> 00:38:10,070

you know nomadic people in the middle of

795

00:38:15,609 --> 00:38:13,790

of Africa or you know people in the

796

00:38:19,349 --> 00:38:15,619

middle of the subcontinent

797

00:38:21,870 --> 00:38:19,359

need with which is which is essentially

798

00:38:25,030 --> 00:38:21,880

you know Einstein's general relativity

799

00:38:27,220 --> 00:38:25,040

theorem right well I'll explain that

800

00:38:29,859 --> 00:38:27,230

there's actually there is a sensible

801
00:38:32,770 --> 00:38:29,869
rationale a sensible sensible motive for

802
00:38:35,380 --> 00:38:32,780
why that was done you sort of have to

803
00:38:37,000 --> 00:38:35,390
break it down into pieces I to give you

804
00:38:38,590 --> 00:38:37,010
the to give you the whole rationale

805
00:38:41,320 --> 00:38:38,600
right now I would be speaking at an

806
00:38:42,700 --> 00:38:41,330
entire book but let's start with the

807
00:38:46,030 --> 00:38:42,710
rationale of the people who are teaching

808
00:38:47,920 --> 00:38:46,040
this what they're teaching along with

809
00:38:51,640 --> 00:38:47,930
that they had they had two goals from

810
00:38:55,690 --> 00:38:51,650
what the comparative view tells us the

811
00:38:57,370 --> 00:38:55,700
first goal was to move humanity from a

812
00:39:00,190 --> 00:38:57,380
status of hunting and gathering to a

813
00:39:02,290 --> 00:39:00,200

status of farming pretty pretty doable

814

00:39:04,510 --> 00:39:02,300

goal so they were instructing they were

815

00:39:08,140 --> 00:39:04,520

teaching skills of Agriculture and

816

00:39:10,380 --> 00:39:08,150

skills of community how to organize a

817

00:39:13,630 --> 00:39:10,390

community how to live among other people

818

00:39:19,599 --> 00:39:13,640

okay now that instruction was tagged to

819

00:39:24,570 --> 00:39:19,609

a bunch of scientific concepts from the

820

00:39:27,670 --> 00:39:24,580

perspective of the teachers that science

821

00:39:31,710 --> 00:39:27,680

ok that sense was not given as theory it

822

00:39:34,950 --> 00:39:31,720

was given as fact this is

823

00:39:37,290 --> 00:39:34,960

factual information about how material

824

00:39:40,290 --> 00:39:37,300

creation happens and it was aimed at

825

00:39:43,290 --> 00:39:40,300

ultimately was aimed at a future

826
00:39:45,750 --> 00:39:43,300
audience that was scientifically enough

827
00:39:47,700 --> 00:39:45,760
minded directly that's what it was there

828
00:39:50,819 --> 00:39:47,710
is no point in having a hunter-gatherer

829
00:39:54,040 --> 00:39:50,829
know about

830
00:39:56,710 --> 00:39:54,050
the route dynamics of energy

831
00:39:58,840 --> 00:39:56,720
the target audience was essentially us a

832
00:40:00,850 --> 00:39:58,850
Korra culture like us one that had a

833
00:40:02,410 --> 00:40:00,860
sense of science enough to be able to

834
00:40:04,390 --> 00:40:02,420
recognize hey that looks like an atom

835
00:40:07,720 --> 00:40:04,400
hey that looks like an electron orbital

836
00:40:10,630 --> 00:40:07,730
hey that looks like a whatever the most

837
00:40:13,270 --> 00:40:10,640
essential of the Buddhist symbols called

838
00:40:15,610 --> 00:40:13,280

adequate symbols are precisely that and

839

00:40:19,000 --> 00:40:15,620

they're admittedly that they are images

840

00:40:21,250 --> 00:40:19,010

of things in nature that cannot lose

841

00:40:23,500 --> 00:40:21,260

their meaning because the meaning in

842

00:40:25,240 --> 00:40:23,510

here's and what their picturing is if

843

00:40:28,000 --> 00:40:25,250

you're picturing the image of an

844

00:40:28,720 --> 00:40:28,010

electron orbit those take specific

845

00:40:30,370 --> 00:40:28,730

shapes

846

00:40:32,350 --> 00:40:30,380

anybody who's scientifically minded is

847

00:40:34,210 --> 00:40:32,360

going to recognize that shape and say

848

00:40:36,490 --> 00:40:34,220

wow there's an electron orbit and they

849

00:40:37,840 --> 00:40:36,500

go do some research and discovered the

850

00:40:42,340 --> 00:40:37,850

Buddhists describe it just like an

851

00:40:45,700 --> 00:40:42,350

electron orbit this is science now so

852

00:40:48,790 --> 00:40:45,710

the motivation was to try to put this

853

00:40:53,800 --> 00:40:48,800

highly technical scientific information

854

00:40:56,770 --> 00:40:53,810

into a form that was so mnemonic so

855

00:40:59,200 --> 00:40:56,780

intuitive that all of the intervening

856

00:41:01,980 --> 00:40:59,210

generations between when it was taught

857

00:41:04,990 --> 00:41:01,990

and the generation that was the target

858

00:41:09,100 --> 00:41:05,000

audience would be able to keep it

859

00:41:10,630 --> 00:41:09,110

straight in other words someone was

860

00:41:13,330 --> 00:41:10,640

aiming this stuff with the hope that

861

00:41:16,090 --> 00:41:13,340

someone like me would see it recognize

862

00:41:18,100 --> 00:41:16,100

it and sort of deconstructed and realize

863

00:41:20,230 --> 00:41:18,110

here's here's what we're talking about

864

00:41:23,050 --> 00:41:20,240

and we're not just talking about it in

865

00:41:24,910 --> 00:41:23,060

an incidental way it's point after point

866

00:41:27,850 --> 00:41:24,920

after point after point not only that it

867

00:41:29,770 --> 00:41:27,860

tells us things in a way that is much

868

00:41:33,700 --> 00:41:29,780

more intuitively understandable than the

869

00:41:36,210 --> 00:41:33,710

way science teaches it and so Stephen

870

00:41:38,680 --> 00:41:36,220

Hawking's doesn't even attempt to

871

00:41:42,400 --> 00:41:38,690

explain how a wave turns it into a

872

00:41:43,900 --> 00:41:42,410

particle the Dogon explain it fairly

873

00:41:45,790 --> 00:41:43,910

easily once you understand what the root

874

00:41:48,070 --> 00:41:45,800

dynamics are it's completely

875

00:41:52,420 --> 00:41:48,080

understandable to me how a wave turns

876

00:41:53,950 --> 00:41:52,430

into a particle but to get it you have

877

00:41:56,020 --> 00:41:53,960

to look out of the way the Dogon look at

878

00:41:59,180 --> 00:41:56,030

it

879

00:42:00,830 --> 00:41:59,190

so from the perspective of the teachers

880

00:42:02,480 --> 00:42:00,840

the motive wasn't to have the

881

00:42:04,310 --> 00:42:02,490

intervening generations understand that

882

00:42:07,250 --> 00:42:04,320

the motive was to have somebody like us

883

00:42:10,400 --> 00:42:07,260

understand it as a matter of fact Thomas

884

00:42:13,090 --> 00:42:10,410

young the British polymath who tried to

885

00:42:17,390 --> 00:42:13,100

decipher the Egyptian hieroglyphs first

886

00:42:18,860 --> 00:42:17,400

was so convinced that there was more to

887

00:42:22,820 --> 00:42:18,870

the Egyptian hieroglyphs than just

888

00:42:24,050 --> 00:42:22,830

phonetics that he struggled with it for

889

00:42:25,370 --> 00:42:24,060

months and months and months and just

890

00:42:27,530 --> 00:42:25,380

and just didn't have enough of a

891

00:42:30,010 --> 00:42:27,540

perspective on the science to be able to

892

00:42:33,970 --> 00:42:30,020

sort out what they were talking about

893

00:42:38,090 --> 00:42:33,980

Shampoo Yan who took up the task after

894

00:42:40,100 --> 00:42:38,100

after Thomas dead delayed publishing his

895

00:42:41,060 --> 00:42:40,110

findings he had comparative text and he

896

00:42:43,550 --> 00:42:41,070

was able to do a word-for-word

897

00:42:45,620 --> 00:42:43,560

translation and knew he had the

898

00:42:47,390 --> 00:42:45,630

word-for-word translation right but he

899

00:42:50,810 --> 00:42:47,400

still held up publishing for a number of

900

00:42:52,400 --> 00:42:50,820

months because he had an abiding sense

901
00:42:56,660 --> 00:42:52,410
that there was more to this stuff than

902
00:43:00,020 --> 00:42:56,670
just now those word translations he was

903
00:43:03,160 --> 00:43:00,030
right he was just a century too soon to

904
00:43:05,840 --> 00:43:03,170
be able to have a clue about what it was

905
00:43:08,240 --> 00:43:05,850
and as you know we've we've discussed on

906
00:43:11,270 --> 00:43:08,250
this show and on many other shows at

907
00:43:15,650 --> 00:43:11,280
least when talking with the magical

908
00:43:17,450 --> 00:43:15,660
Egypt's film team which I know that

909
00:43:19,640 --> 00:43:17,460
you're you're part of that project as

910
00:43:21,980 --> 00:43:19,650
well men matter leadership to write

911
00:43:25,700 --> 00:43:21,990
which is available you can stream that

912
00:43:27,800 --> 00:43:25,710
right now on online as well I think it's

913
00:43:31,970 --> 00:43:27,810

very very quick story about my

914

00:43:33,530 --> 00:43:31,980

involvement with magical Egypt I had so

915

00:43:35,270 --> 00:43:33,540

published my first book and send out

916

00:43:36,470 --> 00:43:35,280

targeted emails to people I thought

917

00:43:38,630 --> 00:43:36,480

might have an interest in the book

918

00:43:41,240 --> 00:43:38,640

what's called hidden meanings it became

919

00:43:43,970 --> 00:43:41,250

the science of the Dogon so one of those

920

00:43:45,740 --> 00:43:43,980

emails happened to find John Anthony

921

00:43:48,460 --> 00:43:45,750

West in Egypt eyes he was conducting a

922

00:43:50,780 --> 00:43:48,470

tour and he wanted to read the book but

923

00:43:53,600 --> 00:43:50,790

I had only told him where he could buy

924

00:43:55,160 --> 00:43:53,610

the book he was the sort of guy who had

925

00:43:56,870 --> 00:43:55,170

authors lined up you know down the block

926
00:43:59,390 --> 00:43:56,880
and around the corner waiting to hand

927
00:44:01,880 --> 00:43:59,400
him books so he got back to the United

928
00:44:04,070 --> 00:44:01,890
States realized that he lived 45 minutes

929
00:44:05,360 --> 00:44:04,080
south of me and he ended up calling me

930
00:44:06,560 --> 00:44:05,370
one night on the phone and kept me on

931
00:44:08,359 --> 00:44:06,570
the phone long enough till I finally

932
00:44:10,670 --> 00:44:08,369
offered to send him a book

933
00:44:12,829 --> 00:44:10,680
well so then he invited me down to his

934
00:44:15,140 --> 00:44:12,839
house to meet him but didn't tell me

935
00:44:19,430 --> 00:44:15,150
that he was going to film the entire

936
00:44:21,170 --> 00:44:19,440
meeting and that episode the filming of

937
00:44:24,529 --> 00:44:21,180
that entire meeting became episode 8 of

938
00:44:28,009 --> 00:44:24,539

the first magical Egypt series and

939

00:44:30,109 --> 00:44:28,019

that's how I became connected to that I

940

00:44:33,440 --> 00:44:30,119

had no clue I was walking into a filmed

941

00:44:36,380 --> 00:44:33,450

interview yeah I've heard stories of

942

00:44:38,180 --> 00:44:36,390

John Anthony West having well that that

943

00:44:40,430 --> 00:44:38,190

kind of add is just ago it's gonna

944

00:44:42,049 --> 00:44:40,440

spring this on and see what happens you

945

00:44:44,959 --> 00:44:42,059

know and I I know that from from

946

00:44:46,579 --> 00:44:44,969

watching episode 8 which again you can

947

00:44:48,349 --> 00:44:46,589

find that pretty well anywhere but you

948

00:44:50,289 --> 00:44:48,359

can also purchased and you remastered HD

949

00:44:54,589 --> 00:44:50,299

version no they do not sponsor the show

950

00:44:56,150 --> 00:44:54,599

but I I love chance and Vinnie Singh you

951
00:44:59,839 --> 00:44:56,160
can go check it out because it looks

952
00:45:01,670 --> 00:44:59,849
fantastic and you know I know from that

953
00:45:03,289 --> 00:45:01,680
interview it kind of set me on on the

954
00:45:06,499 --> 00:45:03,299
path to getting to know your work and

955
00:45:10,309 --> 00:45:06,509
and you know the the similarities seem

956
00:45:12,469 --> 00:45:10,319
to be you know kind of mind-boggling

957
00:45:13,459 --> 00:45:12,479
because it's it's a it's a matter of it

958
00:45:16,370 --> 00:45:13,469
like fundamentally I trying to

959
00:45:18,859 --> 00:45:16,380
understand the nature of the world

960
00:45:20,150 --> 00:45:18,869
around us you know it's one thing to to

961
00:45:21,529 --> 00:45:20,160
know the path it's another thing to walk

962
00:45:24,140 --> 00:45:21,539
the path I know that's kind of a bad

963
00:45:29,120 --> 00:45:24,150

analogy in this case but hey I've

964

00:45:32,930 --> 00:45:29,130

studied as a layperson astrophysics

965

00:45:35,539 --> 00:45:32,940

physics chemistry you know astronomy and

966

00:45:38,839 --> 00:45:35,549

you know yes like a you know string

967

00:45:40,640 --> 00:45:38,849

theory and quantum you know quantum

968

00:45:45,170 --> 00:45:40,650

mechanics is something that's very very

969

00:45:46,430 --> 00:45:45,180

interesting to me and to there seems to

970

00:45:49,549 --> 00:45:46,440

be an in the scientific community which

971

00:45:52,940 --> 00:45:49,559

I I do greatly respect that there are

972

00:45:54,079 --> 00:45:52,950

two modes of teaching which is the long

973

00:45:55,459 --> 00:45:54,089

drawn out well you need to be able to

974

00:45:57,049 --> 00:45:55,469

understand the fundamentals and you know

975

00:45:59,019 --> 00:45:57,059

there's a very very complicated process

976

00:46:02,180 --> 00:45:59,029

there's no attempt to try and

977

00:46:06,680 --> 00:46:02,190

necessarily talk to people like you and

978

00:46:08,239 --> 00:46:06,690

me who can can get it as it were with

979

00:46:10,940 --> 00:46:08,249

just a little bit of nudging and you

980

00:46:12,259 --> 00:46:10,950

know kind of explore I should say a

981

00:46:15,529 --> 00:46:12,269

difference in explaining the situation

982

00:46:16,969 --> 00:46:15,539

and then there is that mess you're being

983

00:46:18,140 --> 00:46:16,979

able to are Canada like well you're

984

00:46:19,339 --> 00:46:18,150

surely shortcut it like you don't take

985

00:46:21,140 --> 00:46:19,349

out the fluff and just like you know

986

00:46:21,740 --> 00:46:21,150

give give me the understand like give me

987

00:46:29,090 --> 00:46:21,750

the

988

00:46:34,400 --> 00:46:29,100

plain and simple you know I'm trying

989

00:46:38,750 --> 00:46:34,410

trying to not be demeaning beer but very

990

00:46:40,460 --> 00:46:38,760

flashy pictures on TV to basically try

991

00:46:42,290 --> 00:46:40,470

and explain a very complicated subject

992

00:46:43,610 --> 00:46:42,300

but you're it's like they're talking to

993

00:46:45,680 --> 00:46:43,620

five-year-olds if it feels kind of

994

00:46:47,870 --> 00:46:45,690

demeaning and it's like no I I can I can

995

00:46:52,820 --> 00:46:47,880

sit back and you know let's say listen

996

00:46:54,200 --> 00:46:52,830

to you know Leonard Susskind lecture you

997

00:46:56,420 --> 00:46:54,210

know that he gives to university

998

00:46:57,740 --> 00:46:56,430

students I don't understand about 99% of

999

00:46:58,490 --> 00:46:57,750

everything that he says because you know

1000

00:46:59,840 --> 00:46:58,500

you're basically learning like you

1001
00:47:03,650 --> 00:46:59,850
weren't at school but you have to you

1002
00:47:05,810 --> 00:47:03,660
have to consume be a 1.5 to 3 hours

1003
00:47:07,820 --> 00:47:05,820
times like a you know 100 classes to

1004
00:47:09,890 --> 00:47:07,830
able to get a deeper understanding where

1005
00:47:12,980 --> 00:47:09,900
it's like okay well how does a wave turn

1006
00:47:15,080 --> 00:47:12,990
into a particle well okay what can you

1007
00:47:17,590 --> 00:47:15,090
explain that process of nobody is really

1008
00:47:20,960 --> 00:47:17,600
doing that it kind of frustrates me

1009
00:47:22,820 --> 00:47:20,970
right I mean you can say that somebody

1010
00:47:24,470 --> 00:47:22,830
if you know what their frame of

1011
00:47:26,450 --> 00:47:24,480
reference is you can say to somebody

1012
00:47:30,590 --> 00:47:26,460
that angular momentum is the dynamic of

1013
00:47:32,180 --> 00:47:30,600

a spinning top now if they have that

1014

00:47:35,260 --> 00:47:32,190

frame of reference now they have the

1015

00:47:37,970 --> 00:47:35,270

entire concept in one in one statement

1016

00:47:41,180 --> 00:47:37,980

because they know what a spinning top is

1017

00:47:44,990 --> 00:47:41,190

if you say to them these these two

1018

00:47:47,390 --> 00:47:45,000

processes are parallel then they may not

1019

00:47:50,150 --> 00:47:47,400

know the nuances of difference but they

1020

00:47:53,390 --> 00:47:50,160

have their arms around the concept with

1021

00:47:56,000 --> 00:47:53,400

that one image well one of the goals of

1022

00:47:57,680 --> 00:47:56,010

the ancient tradition was they were okay

1023

00:47:58,880 --> 00:47:57,690

they were aiming this information at an

1024

00:48:00,230 --> 00:47:58,890

audience that they didn't know what

1025

00:48:02,990 --> 00:48:00,240

their frame of reference was going to be

1026

00:48:06,650 --> 00:48:03,000

and so how do you come up with that

1027

00:48:08,900 --> 00:48:06,660

intuitive reference for somebody who you

1028

00:48:11,600 --> 00:48:08,910

don't know what the reference is and so

1029

00:48:15,080 --> 00:48:11,610

what the symbolic system does is it

1030

00:48:20,270 --> 00:48:15,090

frames the same idea in multiple

1031

00:48:21,590 --> 00:48:20,280

metaphors out of the hope is from what I

1032

00:48:24,230 --> 00:48:21,600

can see it looks like it was the hope

1033

00:48:25,910 --> 00:48:24,240

that one of those multiple metaphors was

1034

00:48:28,190 --> 00:48:25,920

going to resonate with the audience that

1035

00:48:30,290 --> 00:48:28,200

was it was aimed at if they don't get

1036

00:48:32,450 --> 00:48:30,300

that this relates to how a plant grows

1037

00:48:34,100 --> 00:48:32,460

maybe they'll relate they'll get that it

1038

00:48:35,660 --> 00:48:34,110

relates to how the animal kingdom works

1039

00:48:38,120 --> 00:48:35,670

or maybe they'll get

1040

00:48:41,539 --> 00:48:38,130

it relates to the process in which you

1041

00:48:43,700 --> 00:48:41,549

build a constructor structure so they

1042

00:48:45,920 --> 00:48:43,710

pick these multiple metaphors and say

1043

00:48:48,289 --> 00:48:45,930

look these men are these metaphors are

1044

00:48:50,329 --> 00:48:48,299

parallel to each other they're parallel

1045

00:48:52,400 --> 00:48:50,339

to a process I want you to understand if

1046

00:48:54,020 --> 00:48:52,410

you understand any one of these things

1047

00:48:56,480 --> 00:48:54,030

you understand the process I'm trying to

1048

00:48:58,760 --> 00:48:56,490

tell you and that Orient's you and now

1049

00:49:00,589 --> 00:48:58,770

we're in a position to evaluate the

1050

00:49:02,510 --> 00:49:00,599

thing they're telling it and you know

1051
00:49:03,680 --> 00:49:02,520
that goes to the one of my favorite

1052
00:49:05,720 --> 00:49:03,690
metaphor is herding cats

1053
00:49:09,890 --> 00:49:05,730
what's you know you're trying to be able

1054
00:49:11,539 --> 00:49:09,900
to corral a very large force in a

1055
00:49:13,910 --> 00:49:11,549
certain direction and it you know if

1056
00:49:16,010 --> 00:49:13,920
anybody knows trying to get your cat to

1057
00:49:18,589 --> 00:49:16,020
do anything they're either just gonna

1058
00:49:20,359 --> 00:49:18,599
look at you funny and just go like or

1059
00:49:21,740 --> 00:49:20,369
ask for treatment or they're gonna run

1060
00:49:23,359 --> 00:49:21,750
away or they're gonna go in the exact

1061
00:49:26,839 --> 00:49:23,369
opposite direction so that that's if a

1062
00:49:28,490 --> 00:49:26,849
concept is not foreign you're but you're

1063
00:49:30,319 --> 00:49:28,500

taking terms and putting it into as you

1064

00:49:32,150 --> 00:49:30,329

said things that people can can

1065

00:49:34,099 --> 00:49:32,160

understand relate to and write because

1066

00:49:36,140 --> 00:49:34,109

if you had to add to describe that kind

1067

00:49:37,819 --> 00:49:36,150

of chaos and word and see if you go on

1068

00:49:39,650 --> 00:49:37,829

pages and pages and the person might not

1069

00:49:42,680 --> 00:49:39,660

be getting what you're really talking

1070

00:49:44,630 --> 00:49:42,690

about or they might fall asleep race its

1071

00:49:48,460 --> 00:49:44,640

certain certain I'm gonna say like I

1072

00:49:50,839 --> 00:49:48,470

will listen to podcasts on on

1073

00:49:53,059 --> 00:49:50,849

astrophysics or strong near future ISM

1074

00:49:55,370 --> 00:49:53,069

and it's just like the nice deep voice

1075

00:49:56,599 --> 00:49:55,380

and just a calm demeanor just kind of

1076

00:49:57,740 --> 00:49:56,609

lulls me to sleep and I try and learn

1077

00:50:00,950 --> 00:49:57,750

while I'm sleeping but I get about five

1078

00:50:04,160 --> 00:50:00,960

minutes in and I'm you know I'm out

1079

00:50:05,000 --> 00:50:04,170

whereas this this type of exchange it's

1080

00:50:06,980 --> 00:50:05,010

very similar to the way that the

1081

00:50:08,329 --> 00:50:06,990

information was was transmitted back

1082

00:50:09,799 --> 00:50:08,339

then where it was person-to-person and

1083

00:50:12,230 --> 00:50:09,809

saying well hey this is what I'm trying

1084

00:50:14,059 --> 00:50:12,240

to teach you but you know this is the

1085

00:50:16,120 --> 00:50:14,069

you know this is how you can relate to

1086

00:50:19,160 --> 00:50:16,130

it based on your frame of reference and

1087

00:50:21,260 --> 00:50:19,170

if we're talking thousands of years of

1088

00:50:24,740 --> 00:50:21,270

of transmission and you would mention

1089

00:50:27,319 --> 00:50:24,750

the the Shakti cults in it wasn't on the

1090

00:50:29,660 --> 00:50:27,329

east coast or the west coast they're on

1091

00:50:32,030 --> 00:50:29,670

the east coast of India okay so if these

1092

00:50:35,990 --> 00:50:32,040

cults had brought this information Ford

1093

00:50:38,059 --> 00:50:36,000

do you go into any length about how the

1094

00:50:41,620 --> 00:50:38,069

information was transferred how it was

1095

00:50:44,059 --> 00:50:41,630

brought along from gobekli tepe from I

1096

00:50:45,950 --> 00:50:44,069

do to a certain extent in the book point

1097

00:50:49,370 --> 00:50:45,960

of origin I talked about the Shakti cult

1098

00:50:50,870 --> 00:50:49,380

and in what forms they brought up for

1099

00:50:54,289 --> 00:50:50,880

and how we can tell it was brought

1100

00:50:56,059 --> 00:50:54,299

forward things get tricky before 3,000

1101

00:51:00,170 --> 00:50:56,069

BC because you don't have written texts

1102

00:51:02,029 --> 00:51:00,180

to rely on but you do have some dynamics

1103

00:51:04,489 --> 00:51:02,039

of language that are really helpful one

1104

00:51:06,460 --> 00:51:04,499

is that the further back in time you go

1105

00:51:10,130 --> 00:51:06,470

from there the more common the words are

1106

00:51:14,479 --> 00:51:10,140

so the ad the other effect of language

1107

00:51:16,489 --> 00:51:14,489

is that significant words tend to stay

1108

00:51:20,059 --> 00:51:16,499

within a language for very very long

1109

00:51:23,509 --> 00:51:20,069

periods of time so what that means is

1110

00:51:25,190 --> 00:51:23,519

that ancient Turkish words were

1111

00:51:27,380 --> 00:51:25,200

pronounced and had pretty much the same

1112

00:51:30,920 --> 00:51:27,390

meanings as ancient Egyptian words do

1113

00:51:33,529 --> 00:51:30,930

and many of those words are still in the

1114

00:51:34,910 --> 00:51:33,539

Turkish language so if I want to

1115

00:51:36,890 --> 00:51:34,920

understand the concept from ancient

1116

00:51:39,769 --> 00:51:36,900

Turkey I can use a modern Turkish

1117

00:51:42,710 --> 00:51:39,779

dictionary and compare it to an ancient

1118

00:51:44,029 --> 00:51:42,720

Egyptian dictionary and where I find

1119

00:51:46,219 --> 00:51:44,039

points of an hour overlap

1120

00:51:48,140 --> 00:51:46,229

I've likely triangulated on what the

1121

00:51:50,150 --> 00:51:48,150

ancient concept was even though I didn't

1122

00:51:54,109 --> 00:51:50,160

don't have an ancient Turkish dictionary

1123

00:51:56,029 --> 00:51:54,119

from 9000 BC so it's it's techniques

1124

00:52:00,019 --> 00:51:56,039

like that being able to infer things

1125

00:52:02,209 --> 00:52:00,029

find ways of inferring things that we we

1126
00:52:04,370 --> 00:52:02,219
don't have an explicit reference for but

1127
00:52:08,239 --> 00:52:04,380
we can triangulate on in a way that is

1128
00:52:09,769 --> 00:52:08,249
absolutely not to go with now there are

1129
00:52:12,259 --> 00:52:09,779
other individuals no no there there will

1130
00:52:14,299 --> 00:52:12,269
be doubters there's always push back and

1131
00:52:15,799 --> 00:52:14,309
I'm not trying to get negative but again

1132
00:52:19,759 --> 00:52:15,809
I do have to do my due diligence and

1133
00:52:20,420 --> 00:52:19,769
sure being what's the term um that's

1134
00:52:22,099 --> 00:52:20,430
kept me correct

1135
00:52:23,989 --> 00:52:22,109
that's gross skeptical like you know I I

1136
00:52:27,140 --> 00:52:23,999
have to I have to be fair I have to be

1137
00:52:28,789 --> 00:52:27,150
fair so there there will be people who

1138
00:52:30,259 --> 00:52:28,799

sent stream academic community would be

1139

00:52:34,099 --> 00:52:30,269

able to say okay well what credible

1140

00:52:36,170 --> 00:52:34,109

evidence do you have that this is you

1141

00:52:39,229 --> 00:52:36,180

know that there is a link what you know

1142

00:52:42,289 --> 00:52:39,239

is is there a linguistic map or

1143

00:52:44,569 --> 00:52:42,299

evolution that you can point to or that

1144

00:52:46,459 --> 00:52:44,579

you can lay out to somebody who has this

1145

00:52:48,079 --> 00:52:46,469

type of push back and say well no you

1146

00:52:50,660 --> 00:52:48,089

know here is a link from let's say like

1147

00:52:57,440 --> 00:52:50,670

ancient you know it Dogon to Egyptian to

1148

00:53:06,059 --> 00:53:03,420

yes and no okay if I'm a linguist most

1149

00:53:07,950 --> 00:53:06,069

linguists only allow a relationship

1150

00:53:10,680 --> 00:53:07,960

between words a claim of a relationship

1151
00:53:12,210 --> 00:53:10,690
between words if you can trace a clear

1152
00:53:15,690 --> 00:53:12,220
etymology between the two words in the

1153
00:53:16,829 --> 00:53:15,700
two languages it started here it ended

1154
00:53:18,420 --> 00:53:16,839
up there passed through these

1155
00:53:20,370 --> 00:53:18,430
modifications here's how this word

1156
00:53:23,359 --> 00:53:20,380
became that word they're related

1157
00:53:26,460 --> 00:53:23,369
now I accept that they're related words

1158
00:53:30,059 --> 00:53:26,470
dealing with comparative cosmology it's

1159
00:53:34,349 --> 00:53:30,069
a different ballgame innate

1160
00:53:36,059 --> 00:53:34,359
these ancient words don't carry a single

1161
00:53:39,180 --> 00:53:36,069
meaning they carry a cluster of meanings

1162
00:53:41,670 --> 00:53:39,190
and those meanings are logically

1163
00:53:44,819 --> 00:53:41,680

disconnected from each other in such a

1164

00:53:46,380 --> 00:53:44,829

way that I can't reasonably guess the

1165

00:53:50,190 --> 00:53:46,390

secondary meanings by knowing the first

1166

00:53:51,870 --> 00:53:50,200

me but the clusters hold true from

1167

00:53:54,750 --> 00:53:51,880

culture to culture from language to

1168

00:53:57,960 --> 00:53:54,760

language and the clusters flow with the

1169

00:54:00,599 --> 00:53:57,970

concepts not with the phonetics and so

1170

00:54:03,870 --> 00:54:00,609

when I take two very different languages

1171

00:54:06,089 --> 00:54:03,880

like the Egyptian hieroglyphic language

1172

00:54:08,460 --> 00:54:06,099

of the Dogon language and compare that

1173

00:54:10,859 --> 00:54:08,470

to sand sand square which outwardly is

1174

00:54:13,769 --> 00:54:10,869

very different there's no there aren't

1175

00:54:17,490 --> 00:54:13,779

obvious points of overlap between those

1176

00:54:19,559 --> 00:54:17,500

three languages I can point to a concept

1177

00:54:22,079 --> 00:54:19,569

that is one of these clustered concepts

1178

00:54:23,940 --> 00:54:22,089

and demonstrate that it's the same the

1179

00:54:26,150 --> 00:54:23,950

same cluster existed in Sanskrit that

1180

00:54:29,309 --> 00:54:26,160

exists in the Dogon language

1181

00:54:32,490 --> 00:54:29,319

that can't happen randomly when you have

1182

00:54:34,710 --> 00:54:32,500

half a dozen logically disconnected

1183

00:54:37,470 --> 00:54:34,720

elements associated with each other

1184

00:54:39,539 --> 00:54:37,480

you've got to match a linguist wouldn't

1185

00:54:41,490 --> 00:54:39,549

agree that it was a match but any

1186

00:54:45,059 --> 00:54:41,500

reasonable thinking person would I'll

1187

00:54:46,910 --> 00:54:45,069

give you an example in Dogon culture you

1188

00:54:50,059 --> 00:54:46,920

have

1189

00:54:53,690 --> 00:54:50,069

a creator god named amma actually

1190

00:54:56,390 --> 00:54:53,700

originally with symbolic reversals the

1191

00:54:58,039 --> 00:54:56,400

signs art was a goddess gamma is the

1192

00:55:00,910 --> 00:54:58,049

affectionate name the ganesh used to

1193

00:55:08,359 --> 00:55:04,930

amma is the Dogon hidden god or goddess

1194

00:55:12,620 --> 00:55:08,369

the word also means to grasp or to hold

1195

00:55:15,980 --> 00:55:12,630

firm or to establish he go to ancient

1196

00:55:19,460 --> 00:55:15,990

Egypt you have a men who has many of the

1197

00:55:21,859 --> 00:55:19,470

same icons as Amma holds the same

1198

00:55:24,019 --> 00:55:21,869

relationship in the overall cosmology to

1199

00:55:27,039 --> 00:55:24,029

the other deities that Amma has two

1200

00:55:29,359 --> 00:55:27,049

characters in Dogon mythology is

1201
00:55:32,480 --> 00:55:29,369
attributed with similar actions as Amma

1202
00:55:35,839 --> 00:55:32,490
and Dogon mythology and the name also

1203
00:55:38,019 --> 00:55:35,849
means to be hidden it means to grasp it

1204
00:55:41,599 --> 00:55:38,029
means to hold for a means to establish

1205
00:55:45,049 --> 00:55:41,609
now from my standpoint as a causal

1206
00:55:47,210 --> 00:55:45,059
comparative researcher I have an ample

1207
00:55:49,750 --> 00:55:47,220
cluster of elements there to insist that

1208
00:55:53,450 --> 00:55:49,760
there those two things are related a

1209
00:55:58,099 --> 00:55:53,460
linguist would say they're not but I say

1210
00:56:00,410 --> 00:55:58,109
you're really gonna tell me that I can

1211
00:56:02,089 --> 00:56:00,420
positively identify that these two gods

1212
00:56:03,799 --> 00:56:02,099
hold the same role in the sitting in

1213
00:56:06,680 --> 00:56:03,809

parallel cosmology is doing the same

1214

00:56:10,190 --> 00:56:06,690

thing in relation to the same phonetics

1215

00:56:12,109 --> 00:56:10,200

all the icons match all of their actions

1216

00:56:14,150 --> 00:56:12,119

match but you're going to insist that

1217

00:56:17,180 --> 00:56:14,160

the names aren't related and I say

1218

00:56:20,269 --> 00:56:17,190

that's not that no reasonable

1219

00:56:21,950 --> 00:56:20,279

person will accept that the same cluster

1220

00:56:24,559 --> 00:56:21,960

that allows me to correlate the deities

1221

00:56:26,900 --> 00:56:24,569

allows me to correlate the words and a

1222

00:56:30,529 --> 00:56:26,910

linguist won't like that because it's

1223

00:56:32,210 --> 00:56:30,539

not according to their rules no and I

1224

00:56:34,130 --> 00:56:32,220

can understand that coming from a

1225

00:56:36,349 --> 00:56:34,140

linguistic family and being in a

1226

00:56:38,960 --> 00:56:36,359

linguistic profession you know the I can

1227

00:56:40,309 --> 00:56:38,970

understand that that perspective and you

1228

00:56:42,470 --> 00:56:40,319

know I have a question actually from Lee

1229

00:56:44,390 --> 00:56:42,480

which may be touching a little bit far

1230

00:56:46,940 --> 00:56:44,400

outside of what we normally know that

1231

00:56:48,799 --> 00:56:46,950

the subject matter here but hey this is

1232

00:56:50,779 --> 00:56:48,809

what we do here on the show so why not

1233

00:56:52,789 --> 00:56:50,789

he's asking if there are any

1234

00:56:56,269 --> 00:56:52,799

similarities with the Inca or Aztec

1235

00:56:59,329 --> 00:56:56,279

pathologies I'm not sure if he means you

1236

00:57:00,900 --> 00:56:59,339

know in that well obviously between Inca

1237

00:57:02,819 --> 00:57:00,910

nastic there are similarities but

1238

00:57:06,269 --> 00:57:02,829

you know are there any to the subject

1239

00:57:10,380 --> 00:57:06,279

that we're talking to you tonight okay I

1240

00:57:12,180 --> 00:57:10,390

haven't studied Inca and Aztec symbolism

1241

00:57:14,670 --> 00:57:12,190

to the depth that I've studied some

1242

00:57:17,599 --> 00:57:14,680

other cultures but I have seen it enough

1243

00:57:19,559 --> 00:57:17,609

to understand that they're related and

1244

00:57:21,960 --> 00:57:19,569

the way I can make that kind of a

1245

00:57:24,539 --> 00:57:21,970

positive statement is with any culture

1246

00:57:30,690 --> 00:57:24,549

okay that the the cosmology rests on

1247

00:57:33,599 --> 00:57:30,700

certain signature elements I can give

1248

00:57:35,789 --> 00:57:33,609

you the examples of that circumcision is

1249

00:57:37,710 --> 00:57:35,799

one of the signatures of the tradition

1250

00:57:39,990 --> 00:57:37,720

I'm pursuing any culture that

1251
00:57:42,690 --> 00:57:40,000
circumsized I know immediately was

1252
00:57:45,930 --> 00:57:42,700
probably influenced by the system I'm

1253
00:57:47,759 --> 00:57:45,940
talking about any culture that measured

1254
00:57:49,790 --> 00:57:47,769
with cubits is likely to be connected to

1255
00:57:52,130 --> 00:57:49,800
the same system

1256
00:57:55,430 --> 00:57:52,140
any culture that imagines that there's

1257
00:57:58,090 --> 00:57:55,440
oh we're their deities flipped from

1258
00:58:00,980 --> 00:57:58,100
matriarchal from goddesses to gods

1259
00:58:02,510 --> 00:58:00,990
sometime after 3,000 BC is likely

1260
00:58:05,540 --> 00:58:02,520
related to the same tradition and that's

1261
00:58:06,830 --> 00:58:05,550
a function of the the tradition I'm

1262
00:58:08,420 --> 00:58:06,840
talking about there are symbolic

1263
00:58:12,590 --> 00:58:08,430

reversals midway through the tradition

1264

00:58:19,150 --> 00:58:12,600

that occur for a reason we have some

1265

00:58:23,300 --> 00:58:21,500

parallel development that any culture

1266

00:58:24,650 --> 00:58:23,310

that the builds out of stone is

1267

00:58:26,060 --> 00:58:24,660

eventually going to figure out to stack

1268

00:58:29,480 --> 00:58:26,070

them up into a pyramid there are only so

1269

00:58:32,690 --> 00:58:29,490

many things you can do with stone my

1270

00:58:34,970 --> 00:58:32,700

answer to that is yes the structures

1271

00:58:36,860 --> 00:58:34,980

could be a example of parallel

1272

00:58:38,480 --> 00:58:36,870

development but there is calm very

1273

00:58:40,160 --> 00:58:38,490

complicated symbolism that goes along

1274

00:58:41,450 --> 00:58:40,170

with the structures that doesn't

1275

00:58:44,990 --> 00:58:41,460

automatically accrue from the choice to

1276

00:58:47,150 --> 00:58:45,000

sack up stones and that symbolism is the

1277

00:58:49,160 --> 00:58:47,160

kind of linkage that argues there's got

1278

00:58:54,740 --> 00:58:49,170

to be a connection back to the same same

1279

00:58:56,660 --> 00:58:54,750

source so I know from Aztec and Incas I

1280

00:58:57,680 --> 00:58:56,670

know enough about them to be able to say

1281

00:58:59,150 --> 00:58:57,690

with confidence that they were

1282

00:59:01,340 --> 00:58:59,160

absolutely influenced by the same

1283

00:59:02,870 --> 00:59:01,350

tradition I just haven't explored it far

1284

00:59:05,210 --> 00:59:02,880

enough to be able to give you chapter

1285

00:59:06,560 --> 00:59:05,220

and verse as to why that has to be and

1286

00:59:08,930 --> 00:59:06,570

obviously for that there may be a book

1287

00:59:10,430 --> 00:59:08,940

up coming at some point to the future

1288

00:59:12,080 --> 00:59:10,440

about that and I'm sure that if even

1289

00:59:14,930 --> 00:59:12,090

when that comes you'll hear about it

1290

00:59:16,550 --> 00:59:14,940

here and leered it's it's a top the hour

1291

00:59:19,160 --> 00:59:16,560

and I know that with with the new show

1292

00:59:21,710 --> 00:59:19,170

format and you know being a busy parent

1293

00:59:26,660 --> 00:59:21,720

myself with tons of responsibilities

1294

00:59:28,520 --> 00:59:26,670

like you know laundry and diapers we

1295

00:59:29,540 --> 00:59:28,530

don't do the three and a half hour shows

1296

00:59:32,480 --> 00:59:29,550

like we used to

1297

00:59:34,640 --> 00:59:32,490

way back in the day so I'd like to at

1298

00:59:35,840 --> 00:59:34,650

least close it with allowing you the

1299

00:59:38,930 --> 00:59:35,850

opportunity to be able to tell the

1300

00:59:40,250 --> 00:59:38,940

people at home or on whatever spaceship

1301
00:59:42,260 --> 00:59:40,260
or you know if you're listening in the

1302
00:59:44,180 --> 00:59:42,270
car or I'd keep your eye on the road

1303
00:59:46,390 --> 00:59:44,190
keep your eyes not on the phone you're

1304
00:59:51,050 --> 00:59:46,400
on the road where can they get the book

1305
00:59:53,480 --> 00:59:51,060
how much is it in American rubles and is

1306
00:59:56,540 --> 00:59:53,490
it available in hardcover digital copy

1307
00:59:58,490 --> 00:59:56,550
what what's the deal well this book is

1308
01:00:02,120 --> 00:59:58,500
self-published what I've been doing the

1309
01:00:03,979 --> 01:00:02,130
past couple of years is because the

1310
01:00:06,339 --> 01:00:03,989
the lead time is so long for the

1311
01:00:08,719 --> 01:00:06,349
traditionally public published books and

1312
01:00:11,420 --> 01:00:08,729
I have so much material that I'm working

1313
01:00:13,999 --> 01:00:11,430

with because I can finish writing a

1314

01:00:15,589 --> 01:00:14,009

second book and sell publish it you know

1315

01:00:17,210 --> 01:00:15,599

six months or more before the

1316

01:00:18,920 --> 01:00:17,220

traditionally published book comes out

1317

01:00:21,529 --> 01:00:18,930

and so that's what I've been doing is

1318

01:00:23,120 --> 01:00:21,539

I've been traditionally publishing one

1319

01:00:25,430 --> 01:00:23,130

and then self-publishing a second one

1320

01:00:28,299 --> 01:00:25,440

the same year so this is self-published

1321

01:00:31,519 --> 01:00:28,309

it's available through any of the Amazon

1322

01:00:34,130 --> 01:00:31,529

sites worldwide right now

1323

01:00:37,099 --> 01:00:34,140

it can be ordered through any of the any

1324

01:00:38,599 --> 01:00:37,109

any bookstore it's available to any of

1325

01:00:41,569 --> 01:00:38,609

the retail outlets if they wanted to

1326

01:00:43,700 --> 01:00:41,579

stock it they could question is whether

1327

01:00:45,890 --> 01:00:43,710

they I have enough awareness that the

1328

01:00:47,450 --> 01:00:45,900

books out to do that but you could walk

1329

01:00:50,930 --> 01:00:47,460

into a Barnes & Noble and order it and

1330

01:00:54,829 --> 01:00:50,940

they could get it for you the H wheel

1331

01:00:58,029 --> 01:00:54,839

it's it's 1595 on Amazon I'm not sure

1332

01:01:00,799 --> 01:00:58,039

what that translates to in euros but

1333

01:01:02,839 --> 01:01:00,809

euros probably run like 12 euros and

1334

01:01:05,329 --> 01:01:02,849

Canadian dollars your firstborn and

1335

01:01:07,999 --> 01:01:05,339

immortal soul because the exchange rate

1336

01:01:10,729 --> 01:01:08,009

sucks still so you know and I have no

1337

01:01:13,039 --> 01:01:10,739

idea what it is in centigrade well yeah

1338

01:01:13,400 --> 01:01:13,049

it's it's it's hot layered it's hot up

1339

01:01:15,499 --> 01:01:13,410

here

1340

01:01:20,029 --> 01:01:15,509

for 40 of what is it like 40 degrees

1341

01:01:21,739 --> 01:01:20,039

it's a 120 125 even it don't matter

1342

01:01:23,209 --> 01:01:21,749

that's well we're gonna go to a hundred

1343

01:01:25,249 --> 01:01:23,219

and sixty degree heat index down here

1344

01:01:27,620 --> 01:01:25,259

tomorrow oh good luck with that

1345

01:01:29,059 --> 01:01:27,630

kakie keep jumping you know get your

1346

01:01:30,440 --> 01:01:29,069

pool out get the beer with a little

1347

01:01:32,059 --> 01:01:30,450

kiddie pool and put your feet in there

1348

01:01:37,640 --> 01:01:32,069

and just you know way for the people as

1349

01:01:38,839 --> 01:01:37,650

they drive by alright so this is this is

1350

01:01:40,579 --> 01:01:38,849

the end of the show this is the end of

1351

01:01:44,630 --> 01:01:40,589

the show go go check out the patreon

1352

01:01:47,900 --> 01:01:44,640

page it is up we're still working on if

1353

01:01:50,420 --> 01:01:47,910

you've been following the lunch hangouts

1354

01:01:53,719 --> 01:01:50,430

there's going to be a series of them and

1355

01:01:55,670 --> 01:01:53,729

I if you like to go to sleep during

1356

01:01:58,729 --> 01:01:55,680

lunch time come watch me build a website

1357

01:02:00,890 --> 01:01:58,739

I think I can guarantee you I am

1358

01:02:03,319 --> 01:02:00,900

considerably less entertaining on those

1359

01:02:09,150 --> 01:02:03,329

hangouts but you learn a lot especially

1360

01:02:12,450 --> 01:02:09,160

about WordPress and CSS programming

1361

01:02:15,750 --> 01:02:12,460

it's good times people so you get it you

1362

01:02:17,670 --> 01:02:15,760

get in on those so yes I'm gonna play

1363

01:02:19,260 --> 01:02:17,680

the outro music let's see if the actual

1364

01:02:20,330 --> 01:02:19,270

otra music plays how about that that's

1365

01:02:26,010 --> 01:02:20,340

good

1366

01:02:29,280 --> 01:02:26,020

does he suspect in our are my friend Abe

1367

01:02:32,100 --> 01:02:29,290

Van Damme who wrote or the remix for our

1368

01:02:34,500 --> 01:02:32,110

outro music there we go

1369

01:02:35,880 --> 01:02:34,510

he has a new L or EP coming out soon

1370

01:02:37,740 --> 01:02:35,890

whatever that drops that let you guys

1371

01:02:41,310 --> 01:02:37,750

know about it cuz support your local

1372

01:02:43,140 --> 01:02:41,320

artists yeah and you know go go to the

1373

01:02:45,090 --> 01:02:43,150

show don't ask for guest list pay the

1374

01:02:47,070 --> 01:02:45,100

cover charge because chances are the

1375

01:02:50,460 --> 01:02:47,080

beer tickets are coming out of his pay

1376

01:02:54,270 --> 01:02:50,470

so just do your thing people alright

1377

01:02:56,610 --> 01:02:54,280

ladies and gentlemen I am the host of

1378

01:02:58,830 --> 01:02:56,620

denna floor we are back yet again and

1379

01:03:00,180 --> 01:02:58,840

hopefully next week I will not be

1380

01:03:03,090 --> 01:03:00,190

delayed Laird thank you very much for

1381

01:03:05,850 --> 01:03:03,100

this makeup time it's it's much

1382

01:03:08,850 --> 01:03:05,860

appreciated you are a gentleman and a

1383

01:03:12,210 --> 01:03:08,860

scholar as always thank you very much

1384

01:03:13,800 --> 01:03:12,220

alright and stay on the line so I can

1385

01:03:16,070 --> 01:03:13,810

give you the the good handshake goodbye

1386

01:03:22,790 --> 01:03:16,080

off camera but to all of you out there

1387

01:03:29,590 --> 01:03:26,420

screenshare split-screen outro outro