



1
00:00:05,990 --> 00:00:03,039
got to talk about finding genes for ESP

2
00:00:09,470 --> 00:00:06,000
so most psychological traits have

3
00:00:11,390 --> 00:00:09,480
genetic basis normal s experience and

4
00:00:13,580 --> 00:00:11,400
shamanism probably have genetic basis

5
00:00:16,220 --> 00:00:13,590
shamanism shamanism has been practiced

6
00:00:18,920 --> 00:00:16,230
for last 60,000 years that's plenty of

7
00:00:21,980 --> 00:00:18,930
time for it to have had evolutionary

8
00:00:24,620 --> 00:00:21,990
effects many folklore traditions say

9
00:00:26,779 --> 00:00:24,630
that ESP is inherited and here's a

10
00:00:29,990 --> 00:00:26,789
Scottish study that shows that's the

11
00:00:32,690 --> 00:00:30,000
case so here's a gene hunting strategy

12
00:00:34,790 --> 00:00:32,700
and you and I could use this and we

13
00:00:36,680 --> 00:00:34,800

could use this to determine whether

14

00:00:38,869 --> 00:00:36,690

there's ESP genes I'm not going to ask

15

00:00:41,030 --> 00:00:38,879

any research questions that I can't

16

00:00:43,490 --> 00:00:41,040

answer so we could if we want to we

17

00:00:47,650 --> 00:00:43,500

could answer the question are is there

18

00:00:50,930 --> 00:00:47,660

genetic basis for ESP here's our recipe

19

00:00:52,520 --> 00:00:50,940

okay we need an evolutionary theory

20

00:00:54,470 --> 00:00:52,530

explaining the gene I'm going to present

21

00:00:56,200 --> 00:00:54,480

two theories we're going to think about

22

00:01:01,189 --> 00:00:56,210

them at the end I'm going to revise them

23

00:01:02,779 --> 00:01:01,199

ok identify phono typic markers in my

24

00:01:05,920 --> 00:01:02,789

case is going to be questionnaire items

25

00:01:10,130 --> 00:01:05,930

this is in relationship to the genes

26
00:01:12,350 --> 00:01:10,140
conduct a community survey ok regular

27
00:01:14,270 --> 00:01:12,360
people from the community analyze the

28
00:01:17,510 --> 00:01:14,280
results using correlational mapping

29
00:01:19,880 --> 00:01:17,520
what's that that's that's mapping where

30
00:01:21,770 --> 00:01:19,890
your we arrange the data points each

31
00:01:24,590 --> 00:01:21,780
data point in relation to all the other

32
00:01:26,899 --> 00:01:24,600
data points on the basis with to their

33
00:01:29,240 --> 00:01:26,909
correlation with each other so that the

34
00:01:31,730 --> 00:01:29,250
data points that are closest have the

35
00:01:35,140 --> 00:01:31,740
highest correlation is correlational

36
00:01:37,640 --> 00:01:35,150
mapping and the theory is if your

37
00:01:39,950 --> 00:01:37,650
evolutionary theory is correct and

38
00:01:42,499 --> 00:01:39,960

you're selecting the variables from the

39

00:01:44,899 --> 00:01:42,509

theory then you do this correlational

40

00:01:48,020 --> 00:01:44,909

mapping where there's clusters that's

41

00:01:52,370 --> 00:01:48,030

going to signify an underlying allele or

42

00:01:55,429 --> 00:01:52,380

a gene that varies by by the nature of

43

00:01:57,950 --> 00:01:55,439

the process ok then when you're finished

44

00:01:59,420 --> 00:01:57,960

you revise the theories in response to

45

00:02:00,920 --> 00:01:59,430

your findings that's the present state

46

00:02:02,870 --> 00:02:00,930

that's what I'm going to be reporting on

47

00:02:05,090 --> 00:02:02,880

right now in order to find the genes you

48

00:02:08,479 --> 00:02:05,100

obtain DNA from the individuals who have

49

00:02:10,100 --> 00:02:08,489

the phenotypic markers or who respond

50

00:02:12,920 --> 00:02:10,110

and the way that you want to the

51
00:02:13,400 --> 00:02:12,930
questionnaire item you obtain DNA from

52
00:02:16,310 --> 00:02:13,410
first

53
00:02:18,380 --> 00:02:16,320
relatives you give it to your biological

54
00:02:19,640 --> 00:02:18,390
friends they compare they come up but

55
00:02:22,760 --> 00:02:19,650
they what they would do is I come up

56
00:02:24,650 --> 00:02:22,770
with a candidate list of alleles okay

57
00:02:26,450 --> 00:02:24,660
then you replicate the study with

58
00:02:29,260 --> 00:02:26,460
another ethnic group and with another

59
00:02:33,560 --> 00:02:29,270
ethnic group and you've found your ESP

60
00:02:35,450 --> 00:02:33,570
gene okay once you have it you can use

61
00:02:37,780 --> 00:02:35,460
reverse phenotyping you figure out what

62
00:02:40,010 --> 00:02:37,790
it actually does you can make progress

63
00:02:42,800 --> 00:02:40,020

we've been going to these meetings for

64

00:02:44,450 --> 00:02:42,810

decades this is a way we can make real

65

00:02:46,070 --> 00:02:44,460

progress if you had a gene you'd have

66

00:02:49,880 --> 00:02:46,080

something real it would put pair of

67

00:02:52,640 --> 00:02:49,890

psychology on the map okay so here's our

68

00:02:55,040 --> 00:02:52,650

plan we're going to make theories we're

69

00:02:56,330 --> 00:02:55,050

going to find common unusual experiences

70

00:02:57,170 --> 00:02:56,340

we're going to devise questionnaire

71

00:02:59,630 --> 00:02:57,180

items we're going to give a

72

00:03:01,670 --> 00:02:59,640

questionnaire to community sample got to

73

00:03:04,850 --> 00:03:01,680

do correlational mappings going to

74

00:03:08,240 --> 00:03:04,860

revise the theory long time ago in the

75

00:03:11,120 --> 00:03:08,250

1980s I did a study of shamans okay I

76

00:03:15,020 --> 00:03:11,130

interviewed about three dozen shamans

77

00:03:18,020 --> 00:03:15,030

what's the pattern that unifies all the

78

00:03:19,640 --> 00:03:18,030

stories well the one thing I would just

79

00:03:22,370 --> 00:03:19,650

wanted to look at you a little bit

80

00:03:24,699 --> 00:03:22,380

the one thing that unifies all those

81

00:03:27,380 --> 00:03:24,709

stories of the shamans I interviewed was

82

00:03:29,180 --> 00:03:27,390

anomalous experience that's how their

83

00:03:31,580 --> 00:03:29,190

life started off then they were

84

00:03:33,800 --> 00:03:31,590

socialized to become shamans the other

85

00:03:35,840 --> 00:03:33,810

thing was that all the shamanic rituals

86

00:03:38,210 --> 00:03:35,850

involved hypnotic suggestion and placebo

87

00:03:40,100 --> 00:03:38,220

effects that's why it worked I mean

88

00:03:41,210 --> 00:03:40,110

there's there could be paranormal

89

00:03:43,699 --> 00:03:41,220

phenomena but when they do the

90

00:03:46,460 --> 00:03:43,709

ceremonies hypnotic suggestion and

91

00:03:48,110 --> 00:03:46,470

placebo effects were what seemed to make

92

00:03:50,840 --> 00:03:48,120

it work so that led to what I call a

93

00:03:51,760 --> 00:03:50,850

ritual healing theory here's how it

94

00:03:55,070 --> 00:03:51,770

works

95

00:03:56,900 --> 00:03:55,080

childhood shamah leads to and I call

96

00:03:59,330 --> 00:03:56,910

these shamanic variables absorption

97

00:04:02,720 --> 00:03:59,340

dissociation hypnosis and some other

98

00:04:07,190 --> 00:04:02,730

variables all of these areas are

99

00:04:08,930 --> 00:04:07,200

axiomatic the variables lead to a normal

100

00:04:11,900 --> 00:04:08,940

experience this is a correlation there's

101
00:04:14,090 --> 00:04:11,910
about a dozen studies the correlations

102
00:04:16,430 --> 00:04:14,100
in the neighborhood of 0.3 or 0.4

103
00:04:18,349 --> 00:04:16,440
it's a very replicable experiment the

104
00:04:20,900 --> 00:04:18,359
anomalous experiences lead to shamanic

105
00:04:23,810 --> 00:04:20,910
beliefs this is known as the

106
00:04:26,330 --> 00:04:23,820
experiential source theory okay people

107
00:04:26,790 --> 00:04:26,340
have the experiences that leads to some

108
00:04:28,980 --> 00:04:26,800
powerful

109
00:04:30,629 --> 00:04:28,990
police how do you test that theory right

110
00:04:33,450 --> 00:04:30,639
here in this room there's people in this

111
00:04:35,939 --> 00:04:33,460
room who have had many many extra

112
00:04:40,140 --> 00:04:35,949
sensory experiences that has produced

113
00:04:43,850 --> 00:04:40,150

powerful beliefs belief in spirits Souls

114

00:04:46,559 --> 00:04:43,860

life after death magical abilities

115

00:04:48,570 --> 00:04:46,569

spirits Souls life after death magical

116

00:04:51,570 --> 00:04:48,580

abilities it's not really a matter of

117

00:04:54,689 --> 00:04:51,580

belief for these people they know they

118

00:04:57,480 --> 00:04:54,699

know and that capacity of knowing if

119

00:05:00,059 --> 00:04:57,490

they are socialized to be a shaman they

120

00:05:03,629 --> 00:05:00,069

can be a shaman & perdue rituals the

121

00:05:05,909 --> 00:05:03,639

rituals produce the placebo and hypnotic

122

00:05:08,790 --> 00:05:05,919

effects and you have a cycle the people

123

00:05:11,459 --> 00:05:08,800

who respond to the rituals have certain

124

00:05:14,670 --> 00:05:11,469

genetic the according to the theory this

125

00:05:17,969 --> 00:05:14,680

has genetic basis people who respond to

126

00:05:20,100 --> 00:05:17,979

the shaman rituals survive people who

127

00:05:23,490 --> 00:05:20,110

don't respond have a lower potential for

128

00:05:26,279 --> 00:05:23,500

survival so over the last sixty thousand

129

00:05:29,820 --> 00:05:26,289

years the cycle has been going around

130

00:05:32,010 --> 00:05:29,830

we have been selecting four genes okay

131

00:05:33,689 --> 00:05:32,020

now I haven't defined exactly how to

132

00:05:38,330 --> 00:05:33,699

measure these we're going to look into

133

00:05:41,580 --> 00:05:38,340

that that's how the study works so

134

00:05:44,519 --> 00:05:41,590

parapsychologists didn't like the theory

135

00:05:47,670 --> 00:05:44,529

so much because you don't really where's

136

00:05:50,760 --> 00:05:47,680

the ESP or you haven't not buying into

137

00:05:54,510 --> 00:05:50,770

this well in offer so you know so here's

138

00:05:58,170 --> 00:05:54,520

a another theory of sheep theory sheep

139

00:06:01,619 --> 00:05:58,180

theory says you've got your ESP alleles

140

00:06:06,980 --> 00:06:01,629

at least two experiences that provides

141

00:06:09,300 --> 00:06:06,990

benefit the alleles are selected for

142

00:06:11,700 --> 00:06:09,310

you've got a sheep theory so now we have

143

00:06:15,450 --> 00:06:11,710

two theories we're in business we can

144

00:06:19,379 --> 00:06:15,460

continue our research project okay in

145

00:06:21,209 --> 00:06:19,389

1980s of 1996 I had my students ask

146

00:06:22,469 --> 00:06:21,219

respondents if you've had a very unusual

147

00:06:25,980 --> 00:06:22,479

experience would you describe it

148

00:06:28,350 --> 00:06:25,990

collected over 1,500 narratives we

149

00:06:30,899 --> 00:06:28,360

categorized the narratives we got

150

00:06:32,640 --> 00:06:30,909

apparitions waking ESP paranormal dreams

151
00:06:33,749 --> 00:06:32,650
out about experience near-death sleep

152
00:06:36,779 --> 00:06:33,759
paralysis spiritual healing

153
00:06:40,230 --> 00:06:36,789
psychokinesis UFOs religious experiences

154
00:06:42,540 --> 00:06:40,240
and then we created another category

155
00:06:44,309 --> 00:06:42,550
okay these are our questionnaire

156
00:06:46,140 --> 00:06:44,319
variables how often have you had the

157
00:06:48,480 --> 00:06:46,150
exploring experiences there's no list

158
00:06:50,460 --> 00:06:48,490
then we ask the people melissa is

159
00:06:52,230 --> 00:06:50,470
dependent on empirical research so we

160
00:06:55,499 --> 00:06:52,240
know that large number of people have

161
00:06:58,740 --> 00:06:55,509
had all those things this is what led me

162
00:07:01,409 --> 00:06:58,750
to do the present study in 1989 Morosky

163
00:07:03,360 --> 00:07:01,419

and Ross did a study where they used

164

00:07:04,800 --> 00:07:03,370

correlational mapping which I plan to

165

00:07:07,770 --> 00:07:04,810

use okay

166

00:07:09,990 --> 00:07:07,780

they measured 81 psychological variables

167

00:07:11,790 --> 00:07:10,000

which they categorize at 11 diagnostic

168

00:07:13,999 --> 00:07:11,800

categories example paranoia

169

00:07:17,520 --> 00:07:14,009

schizophrenia phobia depression anxiety

170

00:07:20,279 --> 00:07:17,530

okay and they they had a method for

171

00:07:22,740 --> 00:07:20,289

analyzing this data and the method

172

00:07:25,529 --> 00:07:22,750

involved the configuration of the data

173

00:07:27,839 --> 00:07:25,539

did it fall into a galaxy pattern a

174

00:07:30,330 --> 00:07:27,849

nebula pattern or spectrum pattern when

175

00:07:32,820 --> 00:07:30,340

you did the correlational analysis okay

176

00:07:34,589 --> 00:07:32,830

because it falls into a galaxy pattern

177

00:07:37,800 --> 00:07:34,599

that suggests that the variables don't

178

00:07:40,080 --> 00:07:37,810

share alleles okay it's a nebula pattern

179

00:07:43,290 --> 00:07:40,090

that's like a sceptical argue but they

180

00:07:46,499 --> 00:07:43,300

do share alleles and so maybe the

181

00:07:49,950 --> 00:07:46,509

psychiatric diagnosis ease aren't valid

182

00:07:51,839 --> 00:07:49,960

if they're all mixed together spectrum

183

00:07:53,339 --> 00:07:51,849

pattern they're overlaying on each other

184

00:07:55,020 --> 00:07:53,349

that would imply that some other

185

00:07:57,300 --> 00:07:55,030

variable causes them to be highly

186

00:07:59,730 --> 00:07:57,310

correlated well in my present study I'll

187

00:08:02,520 --> 00:07:59,740

just use that same method of analysis

188

00:08:04,980 --> 00:08:02,530

I got x equals anomalous experience Oh

189

00:08:07,620 --> 00:08:04,990

will be the psychological symptoms plus

190

00:08:09,959 --> 00:08:07,630

will be the shamanic variables okay if

191

00:08:12,059 --> 00:08:09,969

it falls in a galaxy pattern that

192

00:08:13,559 --> 00:08:12,069

supports the sheep hypothesis because

193

00:08:15,450 --> 00:08:13,569

the Sheep they believe that the

194

00:08:17,459 --> 00:08:15,460

wonderful extrasensory perception is not

195

00:08:20,129 --> 00:08:17,469

the same as psychosis they're separate

196

00:08:21,629 --> 00:08:20,139

they shouldn't be mixed together if they

197

00:08:23,129 --> 00:08:21,639

are mixed together if they're the same

198

00:08:25,170 --> 00:08:23,139

thing that would be a skeptical

199

00:08:26,670 --> 00:08:25,180

hypothesis if they're layered on each

200

00:08:28,649 --> 00:08:26,680

other that means some other variable

201

00:08:30,659 --> 00:08:28,659

calls them be highly correlated that

202

00:08:31,950 --> 00:08:30,669

would support the ritual healing theory

203

00:08:36,240 --> 00:08:31,960

which is the first one I put on the

204

00:08:39,120 --> 00:08:36,250

board okay so here's what mirowski came

205

00:08:42,540 --> 00:08:39,130

up with there was a nebula configuration

206

00:08:44,370 --> 00:08:42,550

the psychiatric variables are mixed up

207

00:08:48,240 --> 00:08:44,380

with each other so that challenges the

208

00:08:49,769 --> 00:08:48,250

DSM paradigm so even though this is the

209

00:08:52,920 --> 00:08:49,779

study is presented to all graduate

210

00:08:53,910 --> 00:08:52,930

students the DSM paradigm or our method

211

00:08:57,750 --> 00:08:53,920

of diagnose

212

00:08:59,310 --> 00:08:57,760

I'm using diagnostic categories we use

213

00:09:02,280 --> 00:08:59,320

it anyway even though it's not really

214

00:09:05,910 --> 00:09:02,290

very suitable for research but my

215

00:09:07,829 --> 00:09:05,920

question is where are wears ESP on the

216

00:09:09,780 --> 00:09:07,839

spectrum wears out-of-body experience

217

00:09:12,900 --> 00:09:09,790

where's our list how are these variables

218

00:09:14,370 --> 00:09:12,910

if we did a correlational analysis where

219

00:09:16,829 --> 00:09:14,380

would they fall where they fall in the

220

00:09:20,189 --> 00:09:16,839

center would they be mixed up would they

221

00:09:24,750 --> 00:09:20,199

be how would it be arranged and I don't

222

00:09:27,300 --> 00:09:24,760

think I really did not know okay one

223

00:09:30,030 --> 00:09:27,310

never knows does one so it's the great

224

00:09:32,310 --> 00:09:30,040

blues musician math Fats Waller you

225

00:09:35,220 --> 00:09:32,320

don't we don't really know but we can

226

00:09:38,160 --> 00:09:35,230

find out okay here's how we do it we

227

00:09:41,430 --> 00:09:38,170

have a study questionnaire first item is

228

00:09:43,410 --> 00:09:41,440

going to be the unusual variables we've

229

00:09:45,629 --> 00:09:43,420

already went over will use Morosky and

230

00:09:47,720 --> 00:09:45,639

Ross's psychological symptoms here's

231

00:09:50,970 --> 00:09:47,730

what I call shamanic variables telegin

232

00:09:53,460 --> 00:09:50,980

absorption scale to associate experience

233

00:09:55,319 --> 00:09:53,470

scale trance liminality scale boundary

234

00:09:57,090 --> 00:09:55,329

questionnaire how to use selected very

235

00:10:00,569 --> 00:09:57,100

oldest because I've limiters finite

236

00:10:03,630 --> 00:10:00,579

space available there the variables were

237

00:10:05,280 --> 00:10:03,640

selected due to their correlation with

238

00:10:08,550 --> 00:10:05,290

hypnotizability which I thought was

239

00:10:10,380 --> 00:10:08,560

central to my theory okay variables

240

00:10:11,790 --> 00:10:10,390

predicted of psychopathology I threw

241

00:10:13,439 --> 00:10:11,800

them because I wanted to get a scale I

242

00:10:16,350 --> 00:10:13,449

wanted to get a reference someone to see

243

00:10:18,780 --> 00:10:16,360

the correlational mapping would show how

244

00:10:20,400 --> 00:10:18,790

strong my variables were compared the

245

00:10:22,740 --> 00:10:20,410

things which were supposed to predict be

246

00:10:25,230 --> 00:10:22,750

predictive of psychopathology childhood

247

00:10:27,810 --> 00:10:25,240

difficulty it's not a special life scale

248

00:10:29,790 --> 00:10:27,820

John Henry scale is designed for African

249

00:10:31,560 --> 00:10:29,800

Americans and my my sample is

250

00:10:34,050 --> 00:10:31,570

predominantly African Americans I'm in

251
00:10:37,680 --> 00:10:34,060
northeastern North Carolina gender age

252
00:10:39,269 --> 00:10:37,690
ethnicity employment somewhere there's

253
00:10:41,880 --> 00:10:39,279
incomes got it there it is there's the

254
00:10:45,449 --> 00:10:41,890
income income is known to be perhaps the

255
00:10:48,860 --> 00:10:45,459
best predictor of mental disorder so we

256
00:10:55,920 --> 00:10:53,280
questionnaires so given to 865 people

257
00:10:58,019 --> 00:10:55,930
over a number of years 73 percent were

258
00:11:01,220 --> 00:10:58,029
African American these are poor people's

259
00:11:03,389 --> 00:11:01,230
Northeast North Carolina whoops

260
00:11:06,660 --> 00:11:03,399
here's the pret the incidence of

261
00:11:07,750 --> 00:11:06,670
experienced paranormal dream 66% UFOs

262
00:11:10,090 --> 00:11:07,760
10%

263
00:11:15,610 --> 00:11:10,100

and you see the spectrum the question is

264

00:11:16,930 --> 00:11:15,620

is this particular sample different from

265

00:11:19,000 --> 00:11:16,940

other groups

266

00:11:20,590 --> 00:11:19,010

well I previously had done a random

267

00:11:23,380 --> 00:11:20,600

sample study of Elizabeth City State

268

00:11:24,940 --> 00:11:23,390

University students my college so we

269

00:11:27,820 --> 00:11:24,950

knew the incidence this is the same

270

00:11:29,320 --> 00:11:27,830

incidence as the students had that's the

271

00:11:31,990 --> 00:11:29,330

same incidence are very similar to

272

00:11:33,540 --> 00:11:32,000

University of Maryland students and to

273

00:11:35,770 --> 00:11:33,550

University of North Carolina Greensboro

274

00:11:37,500 --> 00:11:35,780

students there's no reason to think

275

00:11:40,290 --> 00:11:37,510

these students are radically different

276

00:11:41,740 --> 00:11:40,300

except for sleep paralysis

277

00:11:43,630 --> 00:11:41,750

african-americans have a higher

278

00:11:45,460 --> 00:11:43,640

incidence of sleep paralysis for some

279

00:11:47,380 --> 00:11:45,470

reason now as part of my study

280

00:11:49,420 --> 00:11:47,390

hypotheses relate to another study

281

00:11:50,920 --> 00:11:49,430

because we're interested in sleep

282

00:11:53,770 --> 00:11:50,930

paralysis and high blood pressure

283

00:11:56,550 --> 00:11:53,780

whether there would be a correlation and

284

00:12:01,420 --> 00:11:56,560

there was not to our surprise

285

00:12:03,460 --> 00:12:01,430

well they replicated we this my study

286

00:12:06,040 --> 00:12:03,470

replicated Morosky and what Ross's

287

00:12:08,050 --> 00:12:06,050

symptom wheel it had a nebula

288

00:12:10,810 --> 00:12:08,060

configuration and then the question is

289

00:12:12,610 --> 00:12:10,820

where will the unusual experiences be

290

00:12:14,800 --> 00:12:12,620

located on this map so here's the answer

291

00:12:18,640 --> 00:12:14,810

our first answer to a research question

292

00:12:22,360 --> 00:12:18,650

here's what it looks like let's see how

293

00:12:25,240 --> 00:12:22,370

my laser will do here are the unusual

294

00:12:28,620 --> 00:12:25,250

experiences my ladies are clear enough

295

00:12:34,180 --> 00:12:28,630

for you here's all the psychological

296

00:12:38,500 --> 00:12:34,190

variables here's all the psychiatric the

297

00:12:41,290 --> 00:12:38,510

schizophrenia variables all our unusual

298

00:12:47,200 --> 00:12:41,300

experiences are clustered together right

299

00:12:48,270 --> 00:12:47,210

above the schizophrenia symptoms okay so

300

00:12:54,630 --> 00:12:48,280

there's your answer

301
00:12:58,330 --> 00:12:54,640
so that's strange but uh Chris you see

302
00:12:59,920 --> 00:12:58,340
William Everett in his previous study

303
00:13:03,250 --> 00:12:59,930
talking about childhood trauma and

304
00:13:06,220 --> 00:13:03,260
mediums showed a correlation and so he

305
00:13:09,420 --> 00:13:06,230
shouldn't be too surprised and alexandre

306
00:13:11,440 --> 00:13:09,430
para that I talked about mediumship and

307
00:13:14,110 --> 00:13:11,450
schizotypy saying there's a correlation

308
00:13:17,260 --> 00:13:14,120
there's a lot of evidence shows showing

309
00:13:19,360 --> 00:13:17,270
that propensity for unusual experiences

310
00:13:21,519 --> 00:13:19,370
is correlated with these symptoms which

311
00:13:23,499 --> 00:13:21,529
are related to psychosis

312
00:13:26,829 --> 00:13:23,509
and so this is what the data shows and

313
00:13:29,290 --> 00:13:26,839

so I'm I need to adjust it my brain

314

00:13:30,999 --> 00:13:29,300

thinking okay better start thinking

315

00:13:33,280 --> 00:13:31,009

along these lines is a real connection

316

00:13:34,749 --> 00:13:33,290

between the things were most interested

317

00:13:36,329 --> 00:13:34,759

in here's our eat whoops let's see I

318

00:13:40,840 --> 00:13:36,339

messed up my thing

319

00:13:42,759 --> 00:13:40,850

here's ESP right here okay

320

00:13:46,449 --> 00:13:42,769

there's apparitions here's paranormal

321

00:13:48,939 --> 00:13:46,459

dreams all lying above the schizophrenia

322

00:13:50,710 --> 00:13:48,949

let's continue our analysis here's

323

00:13:52,989 --> 00:13:50,720

another chart schizophrenia symptoms

324

00:13:54,999 --> 00:13:52,999

show manic burials unusual experiences

325

00:13:58,119 --> 00:13:55,009

this is this has a spectrum

326

00:13:59,739 --> 00:13:58,129

configuration okay that supports the

327

00:14:04,809 --> 00:13:59,749

ritual healing theory that was our plan

328

00:14:08,799 --> 00:14:04,819

right here's our unusual experiences

329

00:14:11,439 --> 00:14:08,809

here's our schizophrenia symptoms here's

330

00:14:14,079 --> 00:14:11,449

our Shaw Matic variables forming a very

331

00:14:16,179 --> 00:14:14,089

tight cluster all grouped together

332

00:14:18,249 --> 00:14:16,189

here's difficulty in childhood and

333

00:14:19,989 --> 00:14:18,259

difficulty in adolescence these two

334

00:14:22,410 --> 00:14:19,999

places here's the UFOs down here so how

335

00:14:26,350 --> 00:14:22,420

this wraps around let's look at another

336

00:14:28,299 --> 00:14:26,360

analysis well here's our funny the

337

00:14:30,579 --> 00:14:28,309

spectrum configuration supports the

338

00:14:32,559 --> 00:14:30,589

ritual healing Theory childhood trauma

339

00:14:34,809 --> 00:14:32,569

stress probably causes high correlations

340

00:14:37,150 --> 00:14:34,819

among schizophrenia symptoms shamanic

341

00:14:39,160 --> 00:14:37,160

variables prevent propensity for unusual

342

00:14:41,920 --> 00:14:39,170

experiences that causes that kind of

343

00:14:43,600 --> 00:14:41,930

layering phenomena unusual experiences

344

00:14:45,910 --> 00:14:43,610

to not share alleles with traumatic

345

00:14:48,879 --> 00:14:45,920

variables or schizophrenia symptoms so

346

00:14:51,490 --> 00:14:48,889

it doesn't really support the you know

347

00:14:54,030 --> 00:14:51,500

the skeptic hypothesis here's the here's

348

00:14:55,900 --> 00:14:54,040

the big picture which will look at

349

00:15:00,369 --> 00:14:55,910

correlational clusters

350

00:15:02,619 --> 00:15:00,379

what's clustered with ESP okay there's

351

00:15:05,470 --> 00:15:02,629

our cluster right here waking ESP

352

00:15:06,490 --> 00:15:05,480

paranormal dreams apparitions possible

353

00:15:08,169 --> 00:15:06,500

share that allele

354

00:15:10,889 --> 00:15:08,179

not a very tight cluster let's look at

355

00:15:14,829 --> 00:15:10,899

another analogy whole configuration

356

00:15:18,970 --> 00:15:14,839

there's another cluster the the small

357

00:15:20,530 --> 00:15:18,980

clusters has waking ESP apparitions out

358

00:15:23,110 --> 00:15:20,540

about experience and then we look at a

359

00:15:25,059 --> 00:15:23,120

larger cluster here as waking SP so

360

00:15:27,400 --> 00:15:25,069

here's our phenotypic markers perhaps

361

00:15:29,980 --> 00:15:27,410

waking SP apparitions paranormal dreams

362

00:15:31,569 --> 00:15:29,990

OBE that kind of fits in with the ritual

363

00:15:33,220 --> 00:15:31,579

hearing theory it's not a very tight

364

00:15:35,350 --> 00:15:33,230

cluster but I don't I will

365

00:15:39,310 --> 00:15:35,360

talk about this later oh here's a note

366

00:15:42,460 --> 00:15:39,320

ESP and PK are not clustered so our

367

00:15:44,080 --> 00:15:42,470

variable size not a valid variable it's

368

00:15:46,450 --> 00:15:44,090

not a truce and that doesn't cluster

369

00:15:47,980 --> 00:15:46,460

together naturally that was just a cut

370

00:15:49,360 --> 00:15:47,990

something of convenience I'm not sure

371

00:15:51,340 --> 00:15:49,370

what you can say about that

372

00:15:53,590 --> 00:15:51,350

here's the big picture we'll look at all

373

00:15:57,160 --> 00:15:53,600

the variables in the study and you'll

374

00:15:59,470 --> 00:15:57,170

notice here on the left is age income

375

00:16:02,110 --> 00:15:59,480

it's they're correlated its correlated

376

00:16:04,690 --> 00:16:02,120

here's our our psychiatric variables

377

00:16:06,520 --> 00:16:04,700

that are variables our ESP and other

378

00:16:09,840 --> 00:16:06,530

things like that and our shamanic

379

00:16:13,360 --> 00:16:09,850

variables are highly clustered with

380

00:16:17,980 --> 00:16:13,370

symptom variables here with surrounded

381

00:16:20,110 --> 00:16:17,990

by the Circle Line okay now here's the

382

00:16:22,810 --> 00:16:20,120

twist in the story the story has a

383

00:16:25,660 --> 00:16:22,820

strange twist to it well I'm working on

384

00:16:27,250 --> 00:16:25,670

this I'm thinking wow extrasensory

385

00:16:29,050 --> 00:16:27,260

perception seems to be related to

386

00:16:30,700 --> 00:16:29,060

psychosis and millions of dollars are

387

00:16:32,290 --> 00:16:30,710

being spent to locate the genes

388

00:16:34,900 --> 00:16:32,300

connected with psychosis they're gonna

389

00:16:36,940 --> 00:16:34,910

come across our ESP genes for us

390

00:16:43,170 --> 00:16:36,950

naturally we won't have to pay a penny

391

00:16:46,120 --> 00:16:43,180

okay all during the 1990s 2000 2010

392

00:16:48,010 --> 00:16:46,130

they're not finding major out Leal's

393

00:16:50,200 --> 00:16:48,020

connected with schizophrenia now they're

394

00:16:52,450 --> 00:16:50,210

telling us that maybe there's hundreds

395

00:16:55,150 --> 00:16:52,460

of genes connected to schizophrenia

396

00:16:57,100 --> 00:16:55,160

none of them particular importance it's

397

00:17:00,550 --> 00:16:57,110

a heartbreaking finding for these

398

00:17:03,190 --> 00:17:00,560

researchers okay they failed to locate

399

00:17:05,260 --> 00:17:03,200

major schizophrenia alleles but they did

400

00:17:07,030 --> 00:17:05,270

find a gene connected with at eligible

401
00:17:08,950 --> 00:17:07,040
sorption scale and of course my ritual

402
00:17:10,690 --> 00:17:08,960
healing theory predicts that I predict

403
00:17:13,390 --> 00:17:10,700
that I'll find some more I pretty this

404
00:17:15,160 --> 00:17:13,400
is available for us to find here's a

405
00:17:19,330 --> 00:17:15,170
theory which explains this phenomenon

406
00:17:21,580 --> 00:17:19,340
the Keller and Miller polygenic mutation

407
00:17:23,920 --> 00:17:21,590
selection theory the hypothesize that

408
00:17:26,560 --> 00:17:23,930
consciousness has an evolutionary had it

409
00:17:28,660 --> 00:17:26,570
on factor others were going through this

410
00:17:31,530 --> 00:17:28,670
progression a small brain larger brain

411
00:17:34,000 --> 00:17:31,540
consciousness is evolving and layers of

412
00:17:35,980 --> 00:17:34,010
modules are being added on over time

413
00:17:38,500 --> 00:17:35,990

like the ability to symbolize and to use

414

00:17:39,490 --> 00:17:38,510

linguistic ability series of modules

415

00:17:42,730 --> 00:17:39,500

have been added on during the

416

00:17:45,760 --> 00:17:42,740

evolutionary process random mutations

417

00:17:46,660 --> 00:17:45,770

disrupting earlier modules cause

418

00:17:48,310 --> 00:17:46,670

dysfunction

419

00:17:51,850 --> 00:17:48,320

some later modules because the brains

420

00:17:55,480 --> 00:17:51,860

are really interconnected hold okay the

421

00:17:57,310 --> 00:17:55,490

theory of module hasn't been proven but

422

00:17:59,020 --> 00:17:57,320

it allows me I can make a schematic

423

00:18:00,640 --> 00:17:59,030

diagram to illustrate what they're

424

00:18:03,010 --> 00:18:00,650

saying say there's a random mutation

425

00:18:04,720 --> 00:18:03,020

here in the earlier module that's going

426

00:18:07,180 --> 00:18:04,730

to cost disruptions in a later module

427

00:18:09,580 --> 00:18:07,190

more disruptions say there's an

428

00:18:12,250 --> 00:18:09,590

absorption shamanic module here that

429

00:18:14,470 --> 00:18:12,260

leads to maybe will have ESP and PK if

430

00:18:16,120 --> 00:18:14,480

not maybe we'll have psychosis or maybe

431

00:18:19,060 --> 00:18:16,130

other disorders in the later modules

432

00:18:21,310 --> 00:18:19,070

it's caused by random mutations from not

433

00:18:23,230 --> 00:18:21,320

specific genes so there's an alternate

434

00:18:28,120 --> 00:18:23,240

theory random mutations are the source

435

00:18:30,160 --> 00:18:28,130

possible source of ESP and pk okay here

436

00:18:33,100 --> 00:18:30,170

this I explained the polygenic mutation

437

00:18:34,900 --> 00:18:33,110

selection theory and say well we need to

438

00:18:37,510 --> 00:18:34,910

make a revised theory you know I read

439

00:18:39,430 --> 00:18:37,520

them the middle one here the apologetic

440

00:18:40,900 --> 00:18:39,440

mutation selection theory explains the

441

00:18:43,540 --> 00:18:40,910

genetic basis Universal features

442

00:18:45,370 --> 00:18:43,550

sporadic nature ongoing incidents and

443

00:18:47,470 --> 00:18:45,380

correlation with psychosis of unknown

444

00:18:48,960 --> 00:18:47,480

anomalous experiences assuming that a

445

00:18:51,850 --> 00:18:48,970

disruption of normal consciousness

446

00:18:53,830 --> 00:18:51,860

facilitates anomalous perception and

447

00:18:55,360 --> 00:18:53,840

that's what Morris Friedman is saying to

448

00:18:58,570 --> 00:18:55,370

you and at all his or his group are

449

00:19:01,360 --> 00:18:58,580

saying this morning disruption and

450

00:19:05,080 --> 00:19:01,370

normal consciousness make be that what

451
00:19:07,030 --> 00:19:05,090
really is going on here let's look at a

452
00:19:08,410 --> 00:19:07,040
revised theory sheep theory we'll just

453
00:19:10,600 --> 00:19:08,420
leave it the way it is because we

454
00:19:13,750 --> 00:19:10,610
haven't really generated evidence to to

455
00:19:16,290 --> 00:19:13,760
refute it if if this theory is valid it

456
00:19:19,270 --> 00:19:16,300
should be very easy to find these genes

457
00:19:21,250 --> 00:19:19,280
okay that's something to think about

458
00:19:23,710 --> 00:19:21,260
we could get together and pass out

459
00:19:26,560 --> 00:19:23,720
questions or identify people find the

460
00:19:28,510 --> 00:19:26,570
gene okay let's think about the gods

461
00:19:30,460 --> 00:19:28,520
fell in Eastern traditions normal

462
00:19:32,910 --> 00:19:30,470
consciousness and inhibits of reception

463
00:19:35,980 --> 00:19:32,920

of extrasensory information

464

00:19:38,290 --> 00:19:35,990

Eastern mystical traditions argue that

465

00:19:41,980 --> 00:19:38,300

normal consciousness clouds perception

466

00:19:44,250 --> 00:19:41,990

of ultimate reality so random mutations

467

00:19:46,780 --> 00:19:44,260

disrupt normal consciousness and

468

00:19:49,600 --> 00:19:46,790

sometimes these corruption disruptions

469

00:19:51,820 --> 00:19:49,610

are sporadic and temporary shamanic

470

00:19:53,560 --> 00:19:51,830

pretent propensity have evolved to cope

471

00:19:55,330 --> 00:19:53,570

with these structured disruptions we

472

00:19:57,460 --> 00:19:55,340

have like the wounded hinder hill or

473

00:19:59,320 --> 00:19:57,470

syndrome a problem too many random

474

00:20:00,620 --> 00:19:59,330

mutations what do you do about it you

475

00:20:02,600 --> 00:20:00,630

become a shaman

476

00:20:04,820 --> 00:20:02,610

okay so let's come up with a revised

477

00:20:07,310 --> 00:20:04,830

theory here's the revised ritual healing

478

00:20:11,690 --> 00:20:07,320

theory we've got the random mutations

479

00:20:13,400 --> 00:20:11,700

here stress trauma here's our psychosis

480

00:20:15,560 --> 00:20:13,410

another ski so tippy

481

00:20:19,610 --> 00:20:15,570

we'll make a little bar here you know

482

00:20:21,890 --> 00:20:19,620

our previous people like you know Ingo

483

00:20:23,660 --> 00:20:21,900

I am Brett he talked about a continuum of

484

00:20:26,210 --> 00:20:23,670

the mastery of voices here's our

485

00:20:28,670 --> 00:20:26,220

continuum Chris Rowe talked about

486

00:20:31,180 --> 00:20:28,680

experiencing leading you know experience

487

00:20:33,620 --> 00:20:31,190

led to practice so here we have

488

00:20:35,600 --> 00:20:33,630

socialization shamanism dramatic

489

00:20:39,770 --> 00:20:35,610

variables around here's our cycle going

490

00:20:41,630 --> 00:20:39,780

on for 60,000 years Chris Rowe talked

491

00:20:43,610 --> 00:20:41,640

about experiencing process William

492

00:20:45,860 --> 00:20:43,620

Everest talked about childhood trauma

493

00:20:47,630 --> 00:20:45,870

and mediums the papers were presenting

494

00:20:50,750 --> 00:20:47,640

coincide with this theory so here's my

495

00:20:53,860 --> 00:20:50,760

revised ritual healing theory and I'm

496

00:20:53,870 --> 00:21:02,680

[Applause]

497

00:21:07,760 --> 00:21:05,420

okay first really briefly I would

498

00:21:09,740 --> 00:21:07,770

caution you in being surprised that ESP

499

00:21:12,290 --> 00:21:09,750

and PK don't cluster cuz they may be

500

00:21:13,520 --> 00:21:12,300

very very different things just because

501
00:21:15,500 --> 00:21:13,530
there are two things we can't explain

502
00:21:19,460 --> 00:21:15,510
doesn't mean they're not in their own

503
00:21:21,680 --> 00:21:19,470
right very different but moving on all

504
00:21:24,110 --> 00:21:21,690
of the alleles that you're talking about

505
00:21:27,160 --> 00:21:24,120
are defined like by the mapping the

506
00:21:29,870 --> 00:21:27,170
human genome mapping project right oh

507
00:21:33,050 --> 00:21:29,880
that's how these alleles are defined the

508
00:21:35,540 --> 00:21:33,060
ones that have names and but the alleles

509
00:21:37,730 --> 00:21:35,550
I'm talking about have not been found we

510
00:21:39,470 --> 00:21:37,740
haven't we haven't found a gene for ESP

511
00:21:41,030 --> 00:21:39,480
but when you were saying like will

512
00:21:44,030 --> 00:21:41,040
question people and then we'll look at

513
00:21:47,090 --> 00:21:44,040

their DNA and okay well we'll pass out

514

00:21:49,520 --> 00:21:47,100

questionnaires we'll identify a category

515

00:21:51,470 --> 00:21:49,530

of individuals who have a high incidence

516

00:21:55,100 --> 00:21:51,480

of extrasensory perception out-of-body

517

00:21:57,770 --> 00:21:55,110

experience like that will give them take

518

00:21:59,450 --> 00:21:57,780

DNA samples from this people will give

519

00:22:01,520 --> 00:21:59,460

the questionnaire to the family members

520

00:22:05,330 --> 00:22:01,530

and locate a family member who has had

521

00:22:07,520 --> 00:22:05,340

no experiences take their DNA that then

522

00:22:10,700 --> 00:22:07,530

becomes a case and then you're just

523

00:22:12,800 --> 00:22:10,710

comparing the whole genome the whole all

524

00:22:14,100 --> 00:22:12,810

of the DNA and in the people who do have

525

00:22:15,810 --> 00:22:14,110

the experience compared to

526

00:22:17,490 --> 00:22:15,820

the DNA compared in the people that

527

00:22:21,180 --> 00:22:17,500

don't have the experience and will need

528

00:22:23,490 --> 00:22:21,190

to gather a number of cases yeah but

529

00:22:26,280 --> 00:22:23,500

when you do that you're using primers

530

00:22:30,539 --> 00:22:26,290

and things based on known gene sequences

531

00:22:33,390 --> 00:22:30,549

right I assume so yes and all we know

532

00:22:37,080 --> 00:22:33,400

all the genes we know are genes that

533

00:22:39,240 --> 00:22:37,090

code proteins right okay I'm not an

534

00:22:41,070 --> 00:22:39,250

expert I'm going to give this DNA to the

535

00:22:45,780 --> 00:22:41,080

but my biological friends and let them

536

00:22:48,330 --> 00:22:45,790

do this okay oh we know our genes that

537

00:22:51,960 --> 00:22:48,340

code for proteins but every cell in

538

00:22:56,520 --> 00:22:51,970

every body for eons have spent the

539

00:22:59,659 --> 00:22:56,530

cellular energy copying and and making

540

00:23:03,780 --> 00:22:59,669

sure that the daughter cells have this

541

00:23:06,210 --> 00:23:03,790

95% junk DNA that doesn't code for any

542

00:23:09,390 --> 00:23:06,220

proteins so but it does something we

543

00:23:13,830 --> 00:23:09,400

keep we keep bringing it along to every

544

00:23:16,770 --> 00:23:13,840

new cell so if it is where if it's

545

00:23:19,110 --> 00:23:16,780

holding information about ESP that

546

00:23:22,140 --> 00:23:19,120

doesn't code for proteins

547

00:23:24,330 --> 00:23:22,150

we never know we'd never call it a gene

548

00:23:27,659 --> 00:23:24,340

because we just say it's junk DNA and

549

00:23:31,650 --> 00:23:27,669

throw it out so if you're looking at the

550

00:23:33,150 --> 00:23:31,660

whole sequence but that's yeah I've know

551

00:23:34,980 --> 00:23:33,160

you're like a byte you're a geneticist

552

00:23:36,780 --> 00:23:34,990

is gonna do that and that well seems

553

00:23:40,710 --> 00:23:36,790

like you're never gonna find it because

554

00:23:43,289 --> 00:23:40,720

if it's not a protein and which I don't

555

00:23:45,539 --> 00:23:43,299

think it's going to be you're the

556

00:23:47,580 --> 00:23:45,549

problem you're describing as a problem

557

00:23:49,890 --> 00:23:47,590

there's a schizophrenia researchers are

558

00:23:51,810 --> 00:23:49,900

facing right now and others they thought

559

00:23:54,210 --> 00:23:51,820

they could find a gene but they did not

560

00:23:56,580 --> 00:23:54,220

find it so now they're doing but now

561

00:23:59,039 --> 00:23:56,590

that that entail that that does this it

562

00:24:01,860 --> 00:23:59,049

hasn't worked for them because it also

563

00:24:03,240 --> 00:24:01,870

might be in that junk DNA not coding

564

00:24:06,090 --> 00:24:03,250

another protein may not work for us

565

00:24:07,710 --> 00:24:06,100

correct might not find a gene I'm just

566

00:24:10,799 --> 00:24:07,720

saying keep that in mind there's a lot

567

00:24:13,440 --> 00:24:10,809

we don't understand about the 95 percent

568

00:24:17,730 --> 00:24:13,450

of the genome we keep around through

569

00:24:21,149 --> 00:24:17,740

evolution so it must do something that's

570

00:24:26,799 --> 00:24:24,190

hello but from reading the literature

571

00:24:29,590 --> 00:24:26,809

they're telling me okay if the gene

572

00:24:31,860 --> 00:24:29,600

exists you can find it if the gene

573

00:24:34,630 --> 00:24:31,870

exists you can find it okay go ahead

574

00:24:36,820 --> 00:24:34,640

early on in your talk you referenced and

575

00:24:37,539 --> 00:24:36,830

used the term placebo effect several

576
00:24:39,940 --> 00:24:37,549
times

577
00:24:42,430 --> 00:24:39,950
I've been doing some maverick research

578
00:24:44,950 --> 00:24:42,440
for many years in the rely were found a

579
00:24:47,680 --> 00:24:44,960
verifiable repeatable what I refer to as

580
00:24:49,690 --> 00:24:47,690
a sin tropic effect in the sweet zone of

581
00:24:51,399 --> 00:24:49,700
receive effect now what you're talking

582
00:24:54,130 --> 00:24:51,409
about you seem too sweet to possible

583
00:24:56,529 --> 00:24:54,140
effect which is the outcome of many of

584
00:24:58,149 --> 00:24:56,539
these shamanic mystical experiences you

585
00:25:01,000 --> 00:24:58,159
just kind of seem to sweep it away as

586
00:25:02,470 --> 00:25:01,010
it's an anomalous effect perhaps all on

587
00:25:07,240 --> 00:25:02,480
your head type of experience it has no

588
00:25:08,770 --> 00:25:07,250

physiology or actual well physiological

589

00:25:10,630 --> 00:25:08,780

effect to it other than imagine a Tori

590

00:25:13,180 --> 00:25:10,640

effect as well Lucido effect which gets

591

00:25:15,510 --> 00:25:13,190

dismissed I call it the placebo Saurus

592

00:25:17,980 --> 00:25:15,520

kind of like to grill it in the room

593

00:25:19,180 --> 00:25:17,990

okay I don't

594

00:25:22,029 --> 00:25:19,190

I didn't mean to sweep anything under

595

00:25:23,950 --> 00:25:22,039

the rug I don't know I do not never

596

00:25:25,480 --> 00:25:23,960

really could figure it out or understand

597

00:25:28,510 --> 00:25:25,490

exactly what it is or define it

598

00:25:31,990 --> 00:25:28,520

perfectly and hypnosis has a similar

599

00:25:34,210 --> 00:25:32,000

problem I think but there are people who

600

00:25:36,100 --> 00:25:34,220

are delving into this the question as to

601
00:25:38,860 --> 00:25:36,110
the genetic basis of the placebo effect

602
00:25:41,080 --> 00:25:38,870
that's beyond my understanding also and

603
00:25:43,299 --> 00:25:41,090
I'm not sure about that but the genetic

604
00:25:46,750 --> 00:25:43,309
basis of hypnosis it's pretty clear that

605
00:25:48,430 --> 00:25:46,760
vadik that it is findable yeah it's

606
00:25:51,549 --> 00:25:48,440
congratulation for your paper my

607
00:25:55,659 --> 00:25:51,559
question is about the parental is tail

608
00:25:58,480 --> 00:25:55,669
in many channels and because we have

609
00:26:01,930 --> 00:25:58,490
certain Argentina many studies in groups

610
00:26:05,350 --> 00:26:01,940
with mediums psychics healers and also

611
00:26:08,340 --> 00:26:05,360
dowsers for example and the childhood

612
00:26:10,659 --> 00:26:08,350
trauma is a variable that impact in the

613
00:26:13,720 --> 00:26:10,669

development of this kind of abilities

614

00:26:16,510 --> 00:26:13,730

but we observed for example that the

615

00:26:19,270 --> 00:26:16,520

parent ala style the treatment of the

616

00:26:23,680 --> 00:26:19,280

parents in the childhood of the psychics

617

00:26:28,480 --> 00:26:23,690

healers and and so on produce some kind

618

00:26:31,299 --> 00:26:28,490

of effect of the produce of that this

619

00:26:32,170 --> 00:26:31,309

kind of experience in the adult life

620

00:26:35,530 --> 00:26:32,180

right

621

00:26:37,960 --> 00:26:35,540

my question is what is your opinion

622

00:26:41,830 --> 00:26:37,970

instead the genetic theory the

623

00:26:45,220 --> 00:26:41,840

transgenerational styles or the parental

624

00:26:49,510 --> 00:26:45,230

style in this kind of people that

625

00:26:52,540 --> 00:26:49,520

produce experience or paranormal

626
00:26:55,690 --> 00:26:52,550
phenomena in the adult life well I don't

627
00:26:57,730 --> 00:26:55,700
know about that I don't I I work in a

628
00:27:00,610 --> 00:26:57,740
psychiatric hospital and I know that

629
00:27:04,450 --> 00:27:00,620
childhood trauma leads to psychiatric

630
00:27:06,250 --> 00:27:04,460
problems but I and I have talked to so

631
00:27:09,550 --> 00:27:06,260
many shamans but they generally don't

632
00:27:14,670 --> 00:27:09,560
talk about their so much the the

633
00:27:18,070 --> 00:27:14,680
childhood trauma so I I'm not sure okay

634
00:27:22,540 --> 00:27:18,080
but we observed the negligent parents

635
00:27:24,670 --> 00:27:22,550
maybe is it variable that module between

636
00:27:28,720 --> 00:27:24,680
the paranormal phenomena and the

637
00:27:31,240 --> 00:27:28,730
childhood trauma was some kind of effect

638
00:27:33,640 --> 00:27:31,250

right borrowing my theory and borrowing

639

00:27:35,980 --> 00:27:33,650

from the psych psychiatric literature

640

00:27:39,000 --> 00:27:35,990

and borrowing from the stress diet

641

00:27:41,560 --> 00:27:39,010

diocese theory with regard to psychosis

642

00:27:43,150 --> 00:27:41,570

but that was when they thought there was

643

00:27:45,190 --> 00:27:43,160

a gene so they thought that gene would

644

00:27:47,680 --> 00:27:45,200

explain the genetic basis now there

645

00:27:49,390 --> 00:27:47,690

isn't any so this must be the rant maybe

646

00:27:51,790 --> 00:27:49,400

you know the random but yeah the

647

00:27:54,220 --> 00:27:51,800

certainly the way a person is raised as

648

00:27:55,990 --> 00:27:54,230

a person as a genetic propensity and the

649

00:27:57,940 --> 00:27:56,000

way they are raised determined whether a

650

00:28:01,410 --> 00:27:57,950

disorder are manifest I would assume it

651
00:28:04,330 --> 00:28:01,420
would determine how whether the psyche

652
00:28:06,340 --> 00:28:04,340
paranormal experience due to the

653
00:28:09,580 --> 00:28:06,350
shortness of our time I'll limit myself

654
00:28:12,700 --> 00:28:09,590
to commenting that your argument about

655
00:28:14,260 --> 00:28:12,710
halfway through the talk for which type

656
00:28:16,870 --> 00:28:14,270
of clustering would support which

657
00:28:18,670 --> 00:28:16,880
hypothesis ignores the fact that's been

658
00:28:21,310 --> 00:28:18,680
repeatedly mentioned in this conference

659
00:28:23,620 --> 00:28:21,320
that many kinds of anomalous experiences

660
00:28:31,540 --> 00:28:23,630
will lead to a misdiagnosis of

661
00:28:34,810 --> 00:28:31,550
psychopathology that's what they found

662
00:28:36,940 --> 00:28:34,820
is all these overlapping symptoms so I

663
00:28:39,950 --> 00:28:36,950

don't see where there's a dilemma or a

664

00:28:39,960 --> 00:28:47,900

Oh

665

00:28:47,910 --> 00:28:54,999

I'm sorry

666

00:29:00,549 --> 00:28:57,319

Stevan Kessler's book describes the

667

00:29:02,839 --> 00:29:00,559

relationship between certain kinds of

668

00:29:05,599 --> 00:29:02,849

pathologies and/or gifts including

669

00:29:07,669 --> 00:29:05,609

psychic gifts related to the stage of

670

00:29:09,439 --> 00:29:07,679

development at which child develops the