



1
00:00:07,509 --> 00:00:05,360
so this is a replication study of the PM

2
00:00:12,589 --> 00:00:07,519
mega ring experiments which were done

3
00:00:13,789 --> 00:00:12,599
and 1990s just early 2000s so I'll just

4
00:00:16,730 --> 00:00:13,799
give you a little bit of background of

5
00:00:18,890 --> 00:00:16,740
what they came up with first the whole

6
00:00:20,810 --> 00:00:18,900
idea of these studies which John's

7
00:00:22,910 --> 00:00:20,820
already pointed out to you is that the

8
00:00:26,089 --> 00:00:22,920
volunteers try to influence a random

9
00:00:28,250 --> 00:00:26,099
number generator the random number

10
00:00:30,859 --> 00:00:28,260
generators produce zeros and ones and

11
00:00:31,970 --> 00:00:30,869
the expectation from charts is that

12
00:00:33,650 --> 00:00:31,980
you're gonna get half of them will be

13
00:00:36,229 --> 00:00:33,660

zeros and half of them are ones and what

14

00:00:39,229 --> 00:00:36,239

you're trying to do is to influence that

15

00:00:44,150 --> 00:00:39,239

so you get more zeros or more ones so U

16

00:00:46,130 --> 00:00:44,160

is the volunteer or the operator first

17

00:00:48,049 --> 00:00:46,140

of all choose how many what you want you

18

00:00:50,029 --> 00:00:48,059

want more zeros or ones and then you

19

00:00:54,590 --> 00:00:50,039

said about trying to influence it to get

20

00:00:56,930 --> 00:00:54,600

what you see it your mind on each trial

21

00:01:01,490 --> 00:00:56,940

lasts about one second and you usually

22

00:01:04,509 --> 00:01:01,500

have a group of trials and a thousand of

23

00:01:08,300 --> 00:01:04,519

them will take about about 17 minutes

24

00:01:12,170 --> 00:01:08,310

and what they found at Pier for most of

25

00:01:14,480 --> 00:01:12,180

the ordinary rig experiments is that

26
00:01:15,710 --> 00:01:14,490
after they've done many many thousands

27
00:01:19,640 --> 00:01:15,720
for the lots and lots of people there's

28
00:01:22,969 --> 00:01:19,650
always a little residual of effects

29
00:01:24,920 --> 00:01:22,979
beyond chance that was actually showing

30
00:01:26,780 --> 00:01:24,930
that it's in line with human intention

31
00:01:29,929 --> 00:01:26,790
so people could influence it in the

32
00:01:34,280 --> 00:01:29,939
direction that they wanted okay so most

33
00:01:37,190 --> 00:01:34,290
of the trials at at Pier were at 200

34
00:01:39,530 --> 00:01:37,200
bits to trial that is it's as if you

35
00:01:42,109 --> 00:01:39,540
tossed a coin in the spine around 200

36
00:01:43,969 --> 00:01:42,119
times and you caught it again and you're

37
00:01:46,190 --> 00:01:43,979
hoping the hint or tails so this it's

38
00:01:56,389 --> 00:01:46,200

really all you're trying to do but they

39

00:01:58,310 --> 00:01:56,399

also did some at 20 and 20 but most of

40

00:02:01,370 --> 00:01:58,320

them work 200 you can see the arrow bars

41

00:02:02,720 --> 00:02:01,380

here because they've got very many

42

00:02:05,700 --> 00:02:02,730

trials

43

00:02:07,590 --> 00:02:05,710

bits per second you got very small pair

44

00:02:10,139 --> 00:02:07,600

of ourselves a lot of precision there at

45

00:02:13,140 --> 00:02:10,149

2010 much less and a 20 they had much

46

00:02:15,540 --> 00:02:13,150

less but they begin to think well what

47

00:02:17,910 --> 00:02:15,550

looking looking at this looks as if you

48

00:02:20,130 --> 00:02:17,920

can draw a line there and it looks as if

49

00:02:21,960 --> 00:02:20,140

as you get a higher and higher frequency

50

00:02:23,880 --> 00:02:21,970

the more bits per second you're gonna

51
00:02:25,020 --> 00:02:23,890
get a bigger and a bigger fit so that

52
00:02:26,699 --> 00:02:25,030
you know if you can get out here

53
00:02:30,150 --> 00:02:26,709
somewhere you're gonna have a much

54
00:02:32,040 --> 00:02:30,160
bigger effect and that's obvious that an

55
00:02:33,660 --> 00:02:32,050
engineer like Bob John would think that

56
00:02:35,210 --> 00:02:33,670
you know I can amplify it this is gonna

57
00:02:37,740 --> 00:02:35,220
be great we're going to get more

58
00:02:41,280 --> 00:02:37,750
amplification more signal for what we're

59
00:02:43,440 --> 00:02:41,290
putting in so he they decided well let

60
00:02:45,420 --> 00:02:43,450
let's have a look at how far we can go

61
00:02:47,760 --> 00:02:45,430
what can we get what happens to say up

62
00:02:49,770 --> 00:02:47,770
here it's two million bits per second

63
00:02:51,990 --> 00:02:49,780

are we going to get up to here or what's

64

00:02:54,510 --> 00:02:52,000

going to happen so their machine

65

00:02:56,760 --> 00:02:54,520

wouldn't do that so they hired an intern

66

00:02:59,729 --> 00:02:56,770

and the intern worked on it spent lots

67

00:03:02,490 --> 00:02:59,739

of money lots of time went through a

68

00:03:04,650 --> 00:03:02,500

number of prostrations but built the

69

00:03:07,199 --> 00:03:04,660

renminbi generator and connected with

70

00:03:09,180 --> 00:03:07,209

the machine and ran some tests and then

71

00:03:11,759 --> 00:03:09,190

what sort of results today did they get

72

00:03:14,250 --> 00:03:11,769

up here or not well actually they didn't

73

00:03:16,320 --> 00:03:14,260

and this was a big surprise and a big

74

00:03:20,640 --> 00:03:16,330

frustration so there's a couple of

75

00:03:22,860 --> 00:03:20,650

things about this is the effect itself

76

00:03:25,229 --> 00:03:22,870

was actually bigger so filled with the

77

00:03:26,640 --> 00:03:25,239

distance from the air down to here well

78

00:03:28,590 --> 00:03:26,650

that's in the wrong direction that

79

00:03:32,190 --> 00:03:28,600

distance is bigger than in what they had

80

00:03:34,259 --> 00:03:32,200

for the vast quantity of data of 200

81

00:03:36,060 --> 00:03:34,269

bits per second so two million bits per

82

00:03:39,410 --> 00:03:36,070

second the bigger effect but in the

83

00:03:43,170 --> 00:03:39,420

reverse direction pretty frustrating so

84

00:03:45,720 --> 00:03:43,180

the main findings in was the opposite

85

00:03:50,580 --> 00:03:45,730

direction don't know why that is big

86

00:03:53,220 --> 00:03:50,590

frustration the effect size was larger

87

00:03:55,949 --> 00:03:53,230

and in the end they did some

88

00:03:57,630 --> 00:03:55,959

replications to see if it was stable and

89

00:03:59,250 --> 00:03:57,640

it seemed to be pretty stable these two

90

00:04:01,740 --> 00:03:59,260

replications and they still got

91

00:04:03,870 --> 00:04:01,750

essentially the same effect and so then

92

00:04:05,520 --> 00:04:03,880

they wrote a paper on it

93

00:04:07,620 --> 00:04:05,530

conclusions was the cause of this

94

00:04:10,050 --> 00:04:07,630

increase in effect size and the

95

00:04:11,630 --> 00:04:10,060

inversion with respect to intention is

96

00:04:13,920 --> 00:04:11,640

unknown we don't know what's going on

97

00:04:15,390 --> 00:04:13,930

then the machine broke so they couldn't

98

00:04:17,330 --> 00:04:15,400

do it anymore and they said right we've

99

00:04:21,720 --> 00:04:17,340

had enough of this and they moved on

100

00:04:25,650 --> 00:04:21,730

well several years later I picked up

101
00:04:27,360 --> 00:04:25,660
their paper and I thought this to my way

102
00:04:30,990 --> 00:04:27,370
of thinking because I'm an engineer this

103
00:04:33,300 --> 00:04:31,000
is really interesting I all I want to do

104
00:04:37,200 --> 00:04:33,310
is amplify this effect so people can get

105
00:04:39,690 --> 00:04:37,210
lots more replicable experimental

106
00:04:41,220 --> 00:04:39,700
results so I I could see that there was

107
00:04:42,630 --> 00:04:41,230
a signal amplification it wasn't very

108
00:04:45,000 --> 00:04:42,640
much but what happens if you increase

109
00:04:47,820 --> 00:04:45,010
the frequency it appeared to be

110
00:04:50,240 --> 00:04:47,830
frequency dependent so I'm gonna try and

111
00:04:53,340 --> 00:04:50,250
quit so frequency quite a bit more

112
00:04:54,780 --> 00:04:53,350
because there was this inversion it

113
00:04:56,280 --> 00:04:54,790

suggested they might be an optimum

114

00:05:01,500 --> 00:04:56,290

somewhere maybe it goes up to a peak and

115

00:05:05,420 --> 00:05:01,510

then comes down again I didn't know what

116

00:05:08,760 --> 00:05:05,430

happens between what happens between

117

00:05:10,680 --> 00:05:08,770

what does it go down I don't know I had

118

00:05:13,170 --> 00:05:10,690

the opportunity to be in the US and I

119

00:05:16,080 --> 00:05:13,180

went to Princeton and talked to to give

120

00:05:17,550 --> 00:05:16,090

Debra and Bob and said you know what's

121

00:05:19,650 --> 00:05:17,560

going on here is anyone else doing this

122

00:05:22,590 --> 00:05:19,660

experiment and they said no and I said

123

00:05:24,060 --> 00:05:22,600

well you know is there anything that I

124

00:05:25,650 --> 00:05:24,070

might be able to get out of it but what

125

00:05:27,330 --> 00:05:25,660

if I go further and what if I use two

126

00:05:29,340 --> 00:05:27,340

random number generators we had a bit of

127

00:05:31,170 --> 00:05:29,350

a discussion they said no one else is

128

00:05:34,400 --> 00:05:31,180

working in this area so I thought right

129

00:05:38,070 --> 00:05:34,410

I'm gonna give it a go so that was 2008

130

00:05:40,820 --> 00:05:38,080

and so I went away and started thinking

131

00:05:44,280 --> 00:05:40,830

about how I might be able to reproduce

132

00:05:46,230 --> 00:05:44,290

these points here one of the things that

133

00:05:48,000 --> 00:05:46,240

keeps coming up in the literature as

134

00:05:51,120 --> 00:05:48,010

it's that people talk about resonance

135

00:05:52,380 --> 00:05:51,130

I'm an engineer resonance means to me is

136

00:05:54,150 --> 00:05:52,390

there isn't its current standard

137

00:05:56,130 --> 00:05:54,160

resonance curve and you get the

138

00:05:59,100 --> 00:05:56,140

frequency right that's how that's how

139

00:06:00,960 --> 00:05:59,110

Wireless works you have a frequency

140

00:06:03,210 --> 00:06:00,970

mentioned to get a big big implication

141

00:06:06,150 --> 00:06:03,220

and I could fit that curve there by

142

00:06:08,430 --> 00:06:06,160

shifting it off zero it wouldn't usually

143

00:06:10,230 --> 00:06:08,440

go below zero zero line to be down here

144

00:06:12,659 --> 00:06:10,240

but what if something like that was

145

00:06:15,130 --> 00:06:12,669

happening between two thousand and two

146

00:06:18,100 --> 00:06:15,140

million we wouldn't know unless I did

147

00:06:21,310 --> 00:06:18,110

yes and what happens past here well

148

00:06:22,630 --> 00:06:21,320

maybe I can fit this curb put the curb

149

00:06:25,600 --> 00:06:22,640

upside down you see I've got the same

150

00:06:27,580 --> 00:06:25,610

resonance curve is there happening so I

151
00:06:29,410 --> 00:06:27,590
was getting pretty excited and thinking

152
00:06:31,420 --> 00:06:29,420
if I can come up with it you know I'd be

153
00:06:35,980 --> 00:06:31,430
famous that everyone here would think I

154
00:06:40,530 --> 00:06:35,990
was pretty clear important to me you

155
00:06:43,030 --> 00:06:40,540
know well so I went ahead and started to

156
00:06:44,590 --> 00:06:43,040
design machine so here's the

157
00:06:48,130 --> 00:06:44,600
specification you can't see all the

158
00:06:51,010 --> 00:06:48,140
detail did this is the Princeton rigged

159
00:06:52,480 --> 00:06:51,020
machines here all the specifications I

160
00:06:54,880 --> 00:06:52,490
had to go through and keep the

161
00:06:57,780 --> 00:06:54,890
understand how each bit of it worked and

162
00:07:00,400 --> 00:06:57,790
then the the mega rig experiment million

163
00:07:02,980 --> 00:07:00,410

millions and cycles is two million here

164

00:07:05,590 --> 00:07:02,990

so this line here really shows the main

165

00:07:07,690 --> 00:07:05,600

difference they could do twenty one

166

00:07:10,390 --> 00:07:07,700

hundred two hundred one thousand and two

167

00:07:12,340 --> 00:07:10,400

thousand we talked about that twenty two

168

00:07:15,370 --> 00:07:12,350

hundred and two thousand and then they

169

00:07:18,430 --> 00:07:15,380

added this two million my machine beer

170

00:07:20,800 --> 00:07:18,440

has got a lot more frequencies in

171

00:07:23,500 --> 00:07:20,810

between and otherwise I can do pretty

172

00:07:27,250 --> 00:07:23,510

well everything that the Princeton

173

00:07:29,350 --> 00:07:27,260

machine would do so here's my random

174

00:07:32,170 --> 00:07:29,360

event generator it's a much more

175

00:07:34,090 --> 00:07:32,180

reliable one than the head if appear

176
00:07:35,980 --> 00:07:34,100
they had to make their own one and it

177
00:07:37,840 --> 00:07:35,990
was a it was a little bit unstable so

178
00:07:40,510 --> 00:07:37,850
they they needed to have protocols that

179
00:07:42,340 --> 00:07:40,520
handled it I was doing at ten fifteen

180
00:07:44,800 --> 00:07:42,350
years later so I can I can buy these

181
00:07:46,660 --> 00:07:44,810
here with quantum random number

182
00:07:49,060 --> 00:07:46,670
generators they're certified they youth

183
00:07:50,710 --> 00:07:49,070
they use them for encryption and they

184
00:07:52,720 --> 00:07:50,720
had ways of putting together to give

185
00:07:55,270 --> 00:07:52,730
quite a lot of higher frequencies so

186
00:07:58,450 --> 00:07:55,280
this would go up to 16 megabits which

187
00:08:03,250 --> 00:07:58,460
was eight times what frequency the peer

188
00:08:07,060 --> 00:08:03,260

could give so it was my his here's a

189

00:08:08,920 --> 00:08:07,070

picture comparing the two the two

190

00:08:10,360 --> 00:08:08,930

machines so here's the PM machine here

191

00:08:14,380 --> 00:08:10,370

who seen some photos of it already

192

00:08:17,260 --> 00:08:14,390

here's the output on the screen it's got

193

00:08:18,940 --> 00:08:17,270

lots of knobs and buttons here I could

194

00:08:21,880 --> 00:08:18,950

reproduce those and I put them all on a

195

00:08:22,960 --> 00:08:21,890

window so they all up here this here is

196

00:08:24,530 --> 00:08:22,970

the main difference this is the

197

00:08:26,330 --> 00:08:24,540

different free

198

00:08:28,880 --> 00:08:26,340

see that I could run at it and here's

199

00:08:30,440 --> 00:08:28,890

some output that they could to appear

200

00:08:32,540 --> 00:08:30,450

that they did it's not a net picture

201
00:08:36,680 --> 00:08:32,550
here so what this is looking at is I've

202
00:08:39,230 --> 00:08:36,690
got a thousand trials is it's done just

203
00:08:41,090 --> 00:08:39,240
56 of them and it's got 944 to go it's

204
00:08:44,060 --> 00:08:41,100
keeping an account of it it's the same

205
00:08:46,760 --> 00:08:44,070
numbers that there are here and you can

206
00:08:48,770 --> 00:08:46,770
follow the individual trial results are

207
00:08:50,330 --> 00:08:48,780
the blue line and then the running

208
00:08:51,770 --> 00:08:50,340
average is this red line and if you're

209
00:08:54,350 --> 00:08:51,780
sitting looking at that you're trying to

210
00:08:55,970 --> 00:08:54,360
influence it if you wanted it to go up

211
00:08:57,380 --> 00:08:55,980
you're trying to make this red line go

212
00:08:59,720 --> 00:08:57,390
up so that by the time it gets to the

213
00:09:02,270 --> 00:08:59,730

end it's above zero and then you could

214

00:09:03,830 --> 00:09:02,280

say yeah I've won and the school will be

215

00:09:06,050 --> 00:09:03,840

here and you can see that how well

216

00:09:11,320 --> 00:09:06,060

you're doing so that's the essence of

217

00:09:13,550 --> 00:09:11,330

the machine so what did I get out of it

218

00:09:16,940 --> 00:09:13,560

well the other just first of all the

219

00:09:19,010 --> 00:09:16,950

overview of my project was I had ten

220

00:09:21,590 --> 00:09:19,020

different frequencies from 200 after 16

221

00:09:24,710 --> 00:09:21,600

million 13 volunteers not nearly as many

222

00:09:26,930 --> 00:09:24,720

as people using five of those were over

223

00:09:32,030 --> 00:09:26,940

10,000 files each so there were several

224

00:09:34,100 --> 00:09:32,040

people who did a lot of work 18 months

225

00:09:35,930 --> 00:09:34,110

it's taking a long time I was protecting

226

00:09:41,020 --> 00:09:35,940

my career I'm a university professor I

227

00:09:45,500 --> 00:09:43,670

most of the runs were of a thousand

228

00:09:47,780 --> 00:09:45,510

trials each and people would come and

229

00:09:49,640 --> 00:09:47,790

they would do three or four trials I'd

230

00:09:51,140 --> 00:09:49,650

pay them for the hours would have a bit

231

00:09:53,330 --> 00:09:51,150

of a chat about how it went and then

232

00:09:55,520 --> 00:09:53,340

send them on their way and the processes

233

00:09:57,410 --> 00:09:55,530

were largely similar to those of peers

234

00:09:59,180 --> 00:09:57,420

so they write down the intention at

235

00:10:02,680 --> 00:09:59,190

first in their work for an hour next

236

00:10:06,470 --> 00:10:02,690

week the thing that was different from

237

00:10:07,970 --> 00:10:06,480

polar protic Home Instead I trusted my

238

00:10:09,830 --> 00:10:07,980

random number generators that they were

239

00:10:12,380 --> 00:10:09,840

certified I gave them regular

240

00:10:14,150 --> 00:10:12,390

calibration and I could get more output

241

00:10:16,750 --> 00:10:14,160

that way because I wasn't happy to do

242

00:10:21,010 --> 00:10:16,760

the positive and the negative end that

243

00:10:24,860 --> 00:10:21,020

the baseline and the results that I got

244

00:10:26,570 --> 00:10:24,870

so here's the peer results here we

245

00:10:29,180 --> 00:10:26,580

started off with that here's their two

246

00:10:31,610 --> 00:10:29,190

million won and mine have got bigger

247

00:10:32,930 --> 00:10:31,620

error bars because I instead of me

248

00:10:34,460 --> 00:10:32,940

focusing on one for

249

00:10:36,770 --> 00:10:34,470

you can see like they did there or one

250

00:10:39,440 --> 00:10:36,780

frequency here I had 10 frequencies they

251
00:10:41,810 --> 00:10:39,450
had to divide up my result to max though

252
00:10:44,090 --> 00:10:41,820
so my error bars are bigger and so

253
00:10:46,070 --> 00:10:44,100
there's a lot of scatter in the results

254
00:10:48,440 --> 00:10:46,080
but you can see that there's a fairly

255
00:10:50,330 --> 00:10:48,450
consistent trend there and you can start

256
00:10:51,770 --> 00:10:50,340
to put some statistical significance on

257
00:10:54,410 --> 00:10:51,780
that I haven't got the statistical

258
00:10:56,300 --> 00:10:54,420
significance of it but I'm pretty sure

259
00:10:58,540 --> 00:10:56,310
those here about if you doubled them

260
00:11:01,760 --> 00:10:58,550
just the end of this line is gonna be

261
00:11:05,360 --> 00:11:01,770
above the zero so it actually is a real

262
00:11:07,130 --> 00:11:05,370
effect looking at individual results

263
00:11:09,020 --> 00:11:07,140

that was quite instructive and that

264

00:11:11,780 --> 00:11:09,030

helped me to think about a little bit

265

00:11:13,490 --> 00:11:11,790

about what was going on it's quite

266

00:11:15,710 --> 00:11:13,500

interesting to think about what what

267

00:11:17,240 --> 00:11:15,720

either this guy here was it Chinese bus

268

00:11:19,700 --> 00:11:17,250

driver he would come after work on

269

00:11:22,340 --> 00:11:19,710

Saturdays and sometimes he went to sleep

270

00:11:23,600 --> 00:11:22,350

while he was doing it so I wasn't all

271

00:11:25,610 --> 00:11:23,610

that convinced that he was putting the

272

00:11:28,130 --> 00:11:25,620

evidence and sure enough it's a bit

273

00:11:29,840 --> 00:11:28,140

that's about zero there at the high

274

00:11:34,490 --> 00:11:29,850

frequencies it doesn't show very much at

275

00:11:37,780 --> 00:11:34,500

all this here also almost no effect this

276

00:11:42,530 --> 00:11:37,790

this was a woman PhD in anthropology

277

00:11:44,840 --> 00:11:42,540

German very particular would do it put a

278

00:11:47,480 --> 00:11:44,850

lot of work into it and we've got a

279

00:11:51,050 --> 00:11:47,490

bigger fit positive and negative at the

280

00:11:53,660 --> 00:11:51,060

high frequency in this one here was with

281

00:11:57,500 --> 00:11:53,670

my son he's actually got a bit of an

282

00:11:59,720 --> 00:11:57,510

offset there again a bigger fix at the

283

00:12:03,230 --> 00:11:59,730

high frequency in this one here was my

284

00:12:05,270 --> 00:12:03,240

future son-in-law again bigger effect at

285

00:12:06,670 --> 00:12:05,280

the high frequency end this one here was

286

00:12:10,790 --> 00:12:06,680

an interesting woman

287

00:12:11,900 --> 00:12:10,800

tattoos upper arms garrulous love doing

288

00:12:13,130 --> 00:12:11,910

this she knew that she could do it

289

00:12:15,200 --> 00:12:13,140

better than any with anyone else

290

00:12:16,520 --> 00:12:15,210

she she wouldn't do it on her own she

291

00:12:18,770 --> 00:12:16,530

had other people in the room she got

292

00:12:20,450 --> 00:12:18,780

them to vote as to what what a fit she

293

00:12:23,210 --> 00:12:20,460

was going to get and these she'd go

294

00:12:24,560 --> 00:12:23,220

ahead and get it and see yourself as a

295

00:12:27,290 --> 00:12:24,570

hero she was fun to work with

296

00:12:29,570 --> 00:12:27,300

I really didn't trust that he was being

297

00:12:30,890 --> 00:12:29,580

as good a well behaved person but anyway

298

00:12:33,110 --> 00:12:30,900

here's the result

299

00:12:35,600 --> 00:12:33,120

high frequency at a high frequency and

300

00:12:37,280 --> 00:12:35,610

lots more of a fit and low frequency and

301
00:12:39,230 --> 00:12:37,290
still quite a big off stick so that's

302
00:12:39,990 --> 00:12:39,240
that's the only one that I think has got

303
00:12:42,690 --> 00:12:40,000
any real

304
00:12:45,810 --> 00:12:42,700
sniffs Oh statistical significance right

305
00:12:47,700 --> 00:12:45,820
over there the whole range and in the

306
00:12:50,670 --> 00:12:47,710
other most of the other operators only

307
00:12:52,530 --> 00:12:50,680
did a small number and so a calculator

308
00:12:53,910 --> 00:12:52,540
you can't put too much weight it was

309
00:12:56,330 --> 00:12:53,920
interesting to look at who those people

310
00:12:59,640 --> 00:12:56,340
were much sort of results they got and

311
00:13:02,250 --> 00:12:59,650
the points that came out of it to me as

312
00:13:04,170 --> 00:13:02,260
if you lump all the results together you

313
00:13:06,810 --> 00:13:04,180

lose some of this detail which is

314

00:13:10,200 --> 00:13:06,820

actually this point seems to be

315

00:13:12,630 --> 00:13:10,210

statistically significant to me but you

316

00:13:16,170 --> 00:13:12,640

lose it if you average over a lot of

317

00:13:18,810 --> 00:13:16,180

people the other thing I did is I I

318

00:13:20,570 --> 00:13:18,820

could see this increase towards the high

319

00:13:23,790 --> 00:13:20,580

frequency and so this is a kind of

320

00:13:26,790 --> 00:13:23,800

signal strength all I've done is get the

321

00:13:28,410 --> 00:13:26,800

magnitude of the effect size rather and

322

00:13:30,060 --> 00:13:28,420

and so there's no negative see any

323

00:13:32,670 --> 00:13:30,070

negatives I just made them positive so

324

00:13:34,650 --> 00:13:32,680

that this is the size of of the effect

325

00:13:37,770 --> 00:13:34,660

if the high frequency and you can see

326

00:13:40,560 --> 00:13:37,780

again this strong trend to woods an

327

00:13:43,170 --> 00:13:40,570

increased signal at the high frequency

328

00:13:45,270 --> 00:13:43,180

here so summarizing this I've got two

329

00:13:47,340 --> 00:13:45,280

separate pages of summaries either the

330

00:13:49,680 --> 00:13:47,350

main findings which I feel relatively

331

00:13:51,990 --> 00:13:49,690

confident about first one there's no

332

00:13:54,210 --> 00:13:52,000

reason and frequency anywhere there

333

00:13:56,910 --> 00:13:54,220

there wasn't anything that you could put

334

00:13:58,980 --> 00:13:56,920

it hang your hat on and say ah that

335

00:14:02,070 --> 00:13:58,990

they'll be they'll be a peak here that

336

00:14:03,750 --> 00:14:02,080

wiggly line just didn't show that second

337

00:14:04,980 --> 00:14:03,760

thing is the main finding overall is

338

00:14:07,950 --> 00:14:04,990

this increase in the fifth with

339

00:14:10,110 --> 00:14:07,960

frequency and then was in line with what

340

00:14:13,230 --> 00:14:10,120

Pierre had an increase in effect of

341

00:14:15,900 --> 00:14:13,240

frequency but the the pair finding of an

342

00:14:18,420 --> 00:14:15,910

inverse with respect to intention wasn't

343

00:14:19,860 --> 00:14:18,430

replicated in my study at all it was it

344

00:14:23,579 --> 00:14:19,870

was quite different we we had a positive

345

00:14:25,500 --> 00:14:23,589

effect at the high frequency and in the

346

00:14:27,750 --> 00:14:25,510

secondary findings which I can't hang my

347

00:14:29,820 --> 00:14:27,760

hat on so much on the main point here is

348

00:14:32,370 --> 00:14:29,830

since the main purpose was really

349

00:14:34,710 --> 00:14:32,380

looking for this big increase in effect

350

00:14:37,400 --> 00:14:34,720

with frequency I haven't really been

351

00:14:39,780 --> 00:14:37,410

able to justify these findings so well

352

00:14:41,340 --> 00:14:39,790

I've made this point already they're

353

00:14:42,670 --> 00:14:41,350

combining the results seem to average

354

00:14:45,040 --> 00:14:42,680

out some things that were pretty

355

00:14:47,230 --> 00:14:45,050

think the data quantity was too small

356

00:14:48,389 --> 00:14:47,240

for any individual frequency for you to

357

00:14:51,460 --> 00:14:48,399

be able to say it was really the end

358

00:14:52,750 --> 00:14:51,470

result really seems to come when you put

359

00:14:54,610 --> 00:14:52,760

them all together and some of the

360

00:14:56,829 --> 00:14:54,620

volunteers showed statistically

361

00:15:02,019 --> 00:14:56,839

significant results and others it wasn't

362

00:15:03,850 --> 00:15:02,029

very much okay this this but here is

363

00:15:06,040 --> 00:15:03,860

quite interesting this is really ahead

364

00:15:08,050 --> 00:15:06,050

and this one since I've come here I'm

365

00:15:10,030 --> 00:15:08,060

talking to people who work with the

366

00:15:11,949 --> 00:15:10,040

random event generators a lot they say

367

00:15:14,290 --> 00:15:11,959

experiment effect is pretty big and

368

00:15:16,720 --> 00:15:14,300

really once they pointed it out I I

369

00:15:18,910 --> 00:15:16,730

could see that that was the case not

370

00:15:22,420 --> 00:15:18,920

only could I see it but I had evidence

371

00:15:25,500 --> 00:15:22,430

of it so the first point here this is my

372

00:15:28,960 --> 00:15:25,510

conclusion after my visit to Bob and

373

00:15:31,840 --> 00:15:28,970

Deborah the D'Amigo rig results

374

00:15:34,360 --> 00:15:31,850

elegantly captured the emotional state

375

00:15:36,370 --> 00:15:34,370

between the experimenters appear so I

376

00:15:38,199 --> 00:15:36,380

read the paper it was very professional

377

00:15:41,680 --> 00:15:38,209

I was really impressed with it when I

378

00:15:43,600 --> 00:15:41,690

went there talked to Bob and Deborah I

379

00:15:45,850 --> 00:15:43,610

found immediately they were furious with

380

00:15:47,680 --> 00:15:45,860

Michael Henderson he was terrible they

381

00:15:49,090 --> 00:15:47,690

just didn't get on he'd done stuff they

382

00:15:50,800 --> 00:15:49,100

didn't like he done all sorts of things

383

00:15:52,900 --> 00:15:50,810

they didn't like his work

384

00:15:54,340 --> 00:15:52,910

I was pretty thorough but he'd gone off

385

00:15:56,079 --> 00:15:54,350

on published papers that they didn't

386

00:15:58,120 --> 00:15:56,089

necessarily agree with and there's this

387

00:15:59,829 --> 00:15:58,130

big division between them and what I

388

00:16:04,329 --> 00:15:59,839

thought was really clever about the

389

00:16:07,560 --> 00:16:04,339

whole experimental result is that their

390

00:16:11,949 --> 00:16:07,570

results seemed to capture there if the

391

00:16:14,019 --> 00:16:11,959

results are positive affected 200 bits

392

00:16:17,500 --> 00:16:14,029

per second stayed there in the memory

393

00:16:20,470 --> 00:16:17,510

but it also got this negative effect at

394

00:16:22,180 --> 00:16:20,480

the high frequency which allowed Michael

395

00:16:26,620 --> 00:16:22,190

Emerson to thumb his nose at his

396

00:16:29,260 --> 00:16:26,630

superiors appear and frustrated them no

397

00:16:32,620 --> 00:16:29,270

end so I thought it really captured what

398

00:16:35,230 --> 00:16:32,630

what he wanted and and their

399

00:16:37,300 --> 00:16:35,240

frustrations with them equally the

400

00:16:39,610 --> 00:16:37,310

second point here the thing that I

401
00:16:41,980 --> 00:16:39,620
wanted out of this is as an engineer I

402
00:16:44,920 --> 00:16:41,990
wanted to to find a way of amplifying

403
00:16:47,319 --> 00:16:44,930
the signal and the result that I've got

404
00:16:49,360 --> 00:16:47,329
is showing that the signal amplifiers as

405
00:16:50,829 --> 00:16:49,370
you get to a higher frequency exactly

406
00:16:51,460 --> 00:16:50,839
what I would have wanted so if you're

407
00:16:53,770 --> 00:16:51,470
looking

408
00:16:57,310 --> 00:16:53,780
the experimenter repeat there it is it's

409
00:17:01,290 --> 00:16:57,320
been captured in these results so it

410
00:17:04,300 --> 00:17:01,300
seems like it could be a dominant effect

411
00:17:05,920 --> 00:17:04,310
I don't know too much about that and I

412
00:17:09,940 --> 00:17:05,930
don't know quite how to handle it

413
00:17:12,160 --> 00:17:09,950

so just concluding them if I was to

414

00:17:14,350 --> 00:17:12,170

carry this we're gone I'd need to

415

00:17:17,320 --> 00:17:14,360

examine the effect of higher bit rates

416

00:17:19,600 --> 00:17:17,330

so go up to a hundred million I need a

417

00:17:21,220 --> 00:17:19,610

new machine for there alternatively

418

00:17:23,170 --> 00:17:21,230

achieved greater statistical

419

00:17:24,340 --> 00:17:23,180

significance with what I've got so get

420

00:17:26,440 --> 00:17:24,350

people to come back more and more and

421

00:17:28,030 --> 00:17:26,450

more times and work and give you smaller

422

00:17:28,630 --> 00:17:28,040

arrow bars and more precision with what

423

00:17:31,810 --> 00:17:28,640

I've got

424

00:17:34,750 --> 00:17:31,820

but then if this experiment or a fit is

425

00:17:36,520 --> 00:17:34,760

as big as it looks like it is we need to

426

00:17:39,250 --> 00:17:36,530

really think about how to isolate that

427

00:17:41,380 --> 00:17:39,260

out so we know what is what is machine

428

00:17:42,880 --> 00:17:41,390

dependent and what is the experiment in

429

00:17:53,590 --> 00:17:42,890

the peanut and I don't quite know how to

430

00:17:58,060 --> 00:17:55,690

so well first question is I'm just

431

00:18:01,480 --> 00:17:58,070

curious what the what was your level of

432

00:18:02,710 --> 00:18:01,490

statistical significance independent of

433

00:18:05,769 --> 00:18:02,720

effect size it's sort of what kind of

434

00:18:10,210 --> 00:18:05,779

p-value did you have on the highest bit

435

00:18:13,960 --> 00:18:10,220

rate data the arrow bars there are all

436

00:18:15,639 --> 00:18:13,970

one standard deviation so if you if you

437

00:18:19,539 --> 00:18:15,649

double the size of them you can see what

438

00:18:23,009 --> 00:18:19,549

the what the significance in your like

439

00:18:25,799 --> 00:18:23,019

one and a half Sigma 2 Sigma yes okay I

440

00:18:29,430 --> 00:18:25,809

may comment later but okay

441

00:18:32,379 --> 00:18:29,440

so very quickly number one I think that

442

00:18:35,139 --> 00:18:32,389

even if you have an experimenter effect

443

00:18:37,269 --> 00:18:35,149

you still may have an improved signal

444

00:18:40,659 --> 00:18:37,279

with frequency I don't think that those

445

00:18:45,460 --> 00:18:40,669

are net mutually exclusive and so there

446

00:18:49,180 --> 00:18:45,470

may be some legitimacy there a second

447

00:18:51,899 --> 00:18:49,190

thing I suggest that your when you look

448

00:18:54,460 --> 00:18:51,909

at this I'm missing in this I positive

449

00:18:56,470 --> 00:18:54,470

that's fine because they both are side

450

00:18:58,330 --> 00:18:56,480

effects and just from completely

451
00:19:00,610 --> 00:18:58,340
different you may have done this too I

452
00:19:02,769 --> 00:19:00,620
suggest using RMS because it's like a

453
00:19:04,029 --> 00:19:02,779
noisy signal so just add the RMS of all

454
00:19:06,610 --> 00:19:04,039
of them that'll take care of the sign

455
00:19:09,669 --> 00:19:06,620
yeah even the third question I had is

456
00:19:12,009 --> 00:19:09,679
when you did the frequency differences

457
00:19:13,930 --> 00:19:12,019
did you do them in order of frequency or

458
00:19:16,749 --> 00:19:13,940
are they randomized no they were

459
00:19:19,180 --> 00:19:16,759
randomized and pretty wealthy I allowed

460
00:19:20,860 --> 00:19:19,190
the the operators to decide for

461
00:19:22,539 --> 00:19:20,870
themselves so they could go in and they

462
00:19:26,100 --> 00:19:22,549
can decide their frequency as well as

463
00:19:29,350 --> 00:19:26,110

their their intention of direction

464

00:19:32,289 --> 00:19:29,360

first of all Keith thank you so much for

465

00:19:35,379 --> 00:19:32,299

carrying on this work it was very

466

00:19:38,139 --> 00:19:35,389

frustrating to have to cancel it I mean

467

00:19:40,539 --> 00:19:38,149

we had seen something there was

468

00:19:42,220 --> 00:19:40,549

something going on and then it seemed to

469

00:19:44,560 --> 00:19:42,230

disappear but there were other factors

470

00:19:47,889 --> 00:19:44,570

involved and we could not continue it

471

00:19:51,669 --> 00:19:47,899

because of technical problems so we're

472

00:19:53,240 --> 00:19:51,679

indebted to you for continuing this I'd

473

00:19:55,730 --> 00:19:53,250

like to make a comment

474

00:19:59,330 --> 00:19:55,740

I think this business of experimenter

475

00:20:04,300 --> 00:19:59,340

effect is an important point but the

476
00:20:07,730 --> 00:20:04,310
experimenter is not simply the person

477
00:20:11,200 --> 00:20:07,740
running the experiment I mean if the

478
00:20:16,220 --> 00:20:11,210
experimenter effect is a systemic

479
00:20:19,160 --> 00:20:16,230
process it is the experimenter it is the

480
00:20:23,240 --> 00:20:19,170
operator it is the machine it is the

481
00:20:26,180 --> 00:20:23,250
environment of the laboratory and it may

482
00:20:30,200 --> 00:20:26,190
be other factors as well that we can't

483
00:20:33,140 --> 00:20:30,210
you know what are our fingers on but I

484
00:20:37,870 --> 00:20:33,150
think it's important to pursue this

485
00:20:42,140 --> 00:20:40,370
experimenter effect it's not something

486
00:20:45,140 --> 00:20:42,150
that can be attributable to a given

487
00:20:51,230 --> 00:20:45,150
person but it's a group effort

488
00:20:55,100 --> 00:20:51,240

you know the pair the pair dynamic what

489

00:20:59,510 --> 00:20:55,110

you see standing in front of you and as

490

00:21:01,550 --> 00:20:59,520

you as you can assume involved a number

491

00:21:05,180 --> 00:21:01,560

of people with very different styles

492

00:21:06,920 --> 00:21:05,190

very different approaches and I was

493

00:21:09,560 --> 00:21:06,930

always fond of saying that when we all

494

00:21:12,350 --> 00:21:09,570

work together we were like an Indy 500

495

00:21:16,360 --> 00:21:12,360

pit crew when we didn't work together

496

00:21:19,130 --> 00:21:16,370

all hell broke loose and I noticed

497

00:21:23,510 --> 00:21:19,140

anecdotally just looking over the years

498

00:21:26,600 --> 00:21:23,520

of data collection that there appeared

499

00:21:28,370 --> 00:21:26,610

to be can't demonstrate it can't prove

500

00:21:30,710 --> 00:21:28,380

it but there appeared to be a

501
00:21:33,800 --> 00:21:30,720
correlation with the times when the pair

502
00:21:38,000 --> 00:21:33,810
staff and the pair program were moving

503
00:21:40,850 --> 00:21:38,010
along smoothly and happily and as

504
00:21:43,910 --> 00:21:40,860
opposed to times when we were sort of at

505
00:21:46,310 --> 00:21:43,920
loggerheads with each other and I think

506
00:21:49,160 --> 00:21:46,320
that had an important factor so it

507
00:21:52,340 --> 00:21:49,170
wasn't just the experimenter it was the

508
00:21:56,029 --> 00:21:52,350
dynamic among the experimenters and the

509
00:21:58,609 --> 00:21:56,039
operator and the Machine involved and

510
00:22:00,619 --> 00:21:58,619
etc so keep that in mind but please

511
00:22:03,799 --> 00:22:00,629
carry on and go further with it because

512
00:22:06,099 --> 00:22:03,809
I'm really eager to hear what happens I

513
00:22:12,229 --> 00:22:06,109

knew there was something wrong with that

514

00:22:15,680 --> 00:22:12,239

I hope you'll be willing to correspond

515

00:22:17,269 --> 00:22:15,690

about these experiments because I have a

516

00:22:20,419 --> 00:22:17,279

tremendous amount I'd like to talk to

517

00:22:22,940 --> 00:22:20,429

you about for right now though I just

518

00:22:26,719 --> 00:22:22,950

like to ask why is it that you feel you

519

00:22:29,450 --> 00:22:26,729

did not replicate the inversion effect

520

00:22:32,419 --> 00:22:29,460

when I'm looking at that graph I see

521

00:22:34,519 --> 00:22:32,429

that you're going gangbusters positive

522

00:22:36,440 --> 00:22:34,529

at some of the frequencies and visibly

523

00:22:39,229 --> 00:22:36,450

negative at other frequencies and in

524

00:22:41,629 --> 00:22:39,239

fact the frequency that is closest to

525

00:22:49,519 --> 00:22:41,639

the frequency of Megara itself is

526
00:22:51,859 --> 00:22:49,529
negative like mega right yes you could

527
00:22:54,259 --> 00:22:51,869
say that but these statistical

528
00:22:56,139 --> 00:22:54,269
significance of these really better

529
00:22:57,409 --> 00:22:56,149
double it arribada get the

530
00:23:00,139 --> 00:22:57,419
one-and-twenty

531
00:23:03,619 --> 00:23:00,149
that you want this one here this point

532
00:23:06,289 --> 00:23:03,629
here is really off off the excess this

533
00:23:11,269 --> 00:23:06,299
one isn't really it could be it could be

534
00:23:13,129 --> 00:23:11,279
just on zero so I'm really looking at

535
00:23:15,619 --> 00:23:13,139
that thing blindly and saying that trend

536
00:23:17,180 --> 00:23:15,629
line has got statistical significance

537
00:23:21,589 --> 00:23:17,190
because it's made up of ten points and

538
00:23:24,680 --> 00:23:21,599

that's not replicating this here that's

539

00:23:26,779 --> 00:23:24,690

really what I was saying it just had a

540

00:23:30,409 --> 00:23:26,789

question about the instructions to the

541

00:23:32,779 --> 00:23:30,419

participants in terms of the variable

542

00:23:35,409 --> 00:23:32,789

that you are really interested in which

543

00:23:38,180 --> 00:23:35,419

is the frequency and they got to choose

544

00:23:41,960 --> 00:23:38,190

the different frequencies when they when

545

00:23:44,029 --> 00:23:41,970

they did them is that and what was their

546

00:23:45,739 --> 00:23:44,039

expectation about those different

547

00:23:47,930 --> 00:23:45,749

frequencies like what did you say about

548

00:23:49,639 --> 00:23:47,940

the difference I didn't say that I just

549

00:23:53,479 --> 00:23:49,649

said I wanted to know what happened with

550

00:23:55,369 --> 00:23:53,489

frequency so please select frequencies

551
00:23:57,649 --> 00:23:55,379
whichever ones you want but try and get

552
00:23:59,659 --> 00:23:57,659
a balance and the German woman got

553
00:24:01,489 --> 00:23:59,669
exactly her little table and she'd go

554
00:24:03,140 --> 00:24:01,499
through and Mark off each time the

555
00:24:05,980 --> 00:24:03,150
others just

556
00:24:07,910 --> 00:24:05,990
I would just suggest that we're

557
00:24:10,610 --> 00:24:07,920
conditions so that's something that

558
00:24:13,610 --> 00:24:10,620
that's a bigger number yes it's better

559
00:24:17,080 --> 00:24:13,620
that's also in addition to an experiment

560
00:24:19,430 --> 00:24:17,090
to affect the subjects maybe

561
00:24:21,169 --> 00:24:19,440
internalizing the sense that oh this

562
00:24:24,230 --> 00:24:21,179
isn't this is a good number I should do

563
00:24:25,880 --> 00:24:24,240

better so there could be you know they

564

00:24:29,210 --> 00:24:25,890

could be and there was certainly I knew

565

00:24:31,130 --> 00:24:29,220

that I wanted that so that could have

566

00:24:34,100 --> 00:24:31,140

gone gone across to them but I didn't

567

00:24:36,470 --> 00:24:34,110

say and the only person I I mentioned it

568

00:24:40,340 --> 00:24:36,480

to and didn't realize I mentioned it was

569

00:24:46,669 --> 00:24:40,350

my son and his highest frequency was

570

00:24:48,380 --> 00:24:46,679

negative he was one of the two my

571

00:24:50,360 --> 00:24:48,390

question actually had already been asked

572

00:24:53,240 --> 00:24:50,370

at least twice and it had to do with

573

00:24:56,570 --> 00:24:53,250

exactly what herb was just talking about

574

00:25:00,140 --> 00:24:56,580

I think if you can it would be really

575

00:25:01,669 --> 00:25:00,150

good to run this experiment or part of

576

00:25:03,830 --> 00:25:01,679

this experiment where people are

577

00:25:07,370 --> 00:25:03,840

completely blind at what frequency they

578

00:25:10,220 --> 00:25:07,380

use yeah that would give us I think a

579

00:25:19,860 --> 00:25:10,230

much clearer picture and like your I

580

00:25:25,360 --> 00:25:23,260

so I'm happy to be here this is a fourth

581

00:25:30,960 --> 00:25:25,370

time in six years that I presented the

582

00:25:35,500 --> 00:25:30,970

ssee last time was last year at Boulder

583

00:25:36,790 --> 00:25:35,510

and I'm happy to have the opportunity to

584

00:25:38,620 --> 00:25:36,800

tell you a little bit more about this

585

00:25:41,410 --> 00:25:38,630

case which has been developing over the

586

00:25:45,970 --> 00:25:41,420

past six years over the last year quite

587

00:25:48,130 --> 00:25:45,980

a bit and this is a case where I've been

588

00:25:50,920 --> 00:25:48,140

treating a patient for six years for a

589

00:25:54,990 --> 00:25:50,930

headache and seizure pseudo seizure

590

00:25:58,330 --> 00:25:55,000

disorder and she began to speak Sanskrit

591

00:25:59,320 --> 00:25:58,340

spontaneously and did so over two-month

592

00:26:04,720 --> 00:25:59,330

period of time

593

00:26:08,430 --> 00:26:04,730

and I recorded 11 hours of this

594

00:26:11,820 --> 00:26:08,440

there were 14 messages that came to her

595

00:26:14,550 --> 00:26:11,830

of a very profound nature there were

596

00:26:17,200 --> 00:26:14,560

these messages were in four different

597

00:26:20,320 --> 00:26:17,210

sanskrit related languages and other

598

00:26:22,870 --> 00:26:20,330

languages also and there was a

599

00:26:25,410 --> 00:26:22,880

progression to the messages and there

600

00:26:27,640 --> 00:26:25,420

was an overall meaning to the messages

601
00:26:31,540 --> 00:26:27,650
but when they first happened I was

602
00:26:35,800 --> 00:26:31,550
really quite surprised so this is this

603
00:26:38,880 --> 00:26:35,810
how I looked 35 years ago or so and what

604
00:26:42,730 --> 00:26:38,890
does to us and Here I am with a patient

605
00:26:46,270 --> 00:26:42,740
the story here is that after six years

606
00:26:47,770 --> 00:26:46,280
of treatment and she had a brain biopsy

607
00:26:50,800 --> 00:26:47,780
at UCSD

608
00:26:53,020 --> 00:26:50,810
University of California San Diego I had

609
00:26:55,600 --> 00:26:53,030
hospitalized many times because of this

610
00:26:59,230 --> 00:26:55,610
severe headache as she had been suicide

611
00:27:02,110 --> 00:26:59,240
when she had headaches and she was

612
00:27:03,360 --> 00:27:02,120
referred to me when she was in a

613
00:27:06,700 --> 00:27:03,370

hospital for about two months

614

00:27:09,520 --> 00:27:06,710

neurosurgeons and neurologists looking

615

00:27:12,820 --> 00:27:09,530

at her and when she was seizing she had

616

00:27:14,560 --> 00:27:12,830

normal EEG so they thought that this was

617

00:27:16,590 --> 00:27:14,570

a manifestation of some psychological

618

00:27:19,180 --> 00:27:16,600

trauma conflict manifesting physically

619

00:27:21,360 --> 00:27:19,190

and when I saw her we tried to

620

00:27:24,120 --> 00:27:21,370

understand its connection to a

621

00:27:26,790 --> 00:27:24,130

psychological trauma early trauma

622

00:27:28,830 --> 00:27:26,800

there was a lot and to try to bring some

623

00:27:30,810 --> 00:27:28,840

consciousness to it and work through it

624

00:27:35,340 --> 00:27:30,820

but she continued to have these terrible

625

00:27:36,810 --> 00:27:35,350

headaches hospitalized many times so I

626
00:27:39,060 --> 00:27:36,820
printed her for six years she got better

627
00:27:42,620 --> 00:27:39,070
and she left for two years and then she

628
00:27:44,970 --> 00:27:42,630
called me and said somebody's uh

629
00:27:48,030 --> 00:27:44,980
visiting me in an inner dimension

630
00:27:49,490 --> 00:27:48,040
and speaking a foreign language that's

631
00:27:51,960 --> 00:27:49,500
why I thought she was manipulating

632
00:27:54,690 --> 00:27:51,970
telling me a strange story because that

633
00:27:57,300 --> 00:27:54,700
is strange to hear for modern

634
00:27:59,370 --> 00:27:57,310
psychiatrist to hear that unless this is

635
00:28:03,660 --> 00:27:59,380
completely delusional or who Senatorial

636
00:28:05,490 --> 00:28:03,670
so I says well can you recall what that

637
00:28:06,630 --> 00:28:05,500
person is saying yeah I think I can she

638
00:28:08,270 --> 00:28:06,640

said I said can you write it down I

639

00:28:10,710 --> 00:28:08,280

think again can you translate it I think

640

00:28:13,170 --> 00:28:10,720

so I said well if that's the case then

641

00:28:16,020 --> 00:28:13,180

call my answering machine and and leave

642

00:28:18,810 --> 00:28:16,030

the recording but don't wake me up in

643

00:28:21,930 --> 00:28:18,820

the middle of the night over this and so

644

00:28:23,760 --> 00:28:21,940

how amazed I was a day or two later when

645

00:28:25,620 --> 00:28:23,770

I heard this now I'm about ready to

646

00:28:29,610 --> 00:28:25,630

admit her to a hospital she's having a

647

00:28:32,880 --> 00:28:29,620

headache she she was in another hospital

648

00:28:36,450 --> 00:28:32,890

I'm transferring her we are in my office

649

00:28:37,830 --> 00:28:36,460

and I'm playing back a recording and

650

00:28:41,010 --> 00:28:37,840

this is similar to the first time I

651
00:28:42,780 --> 00:28:41,020
heard her on my answering machine this

652
00:28:44,160 --> 00:28:42,790
is another recording but this is very

653
00:28:46,110 --> 00:28:44,170
similar to the first time I picked this

654
00:28:51,180 --> 00:28:46,120
up and and I was amazed to hear this in

655
00:29:17,340 --> 00:28:51,190
this house I'll play this for you and

656
00:29:19,430 --> 00:29:17,350
see if you can recall anything no I

657
00:29:22,890 --> 00:29:19,440
really don't okay so that's complicated

658
00:29:24,630 --> 00:29:22,900
and I've worked hard with Sanskrit

659
00:29:28,140 --> 00:29:24,640
scholars one in particular you see a

660
00:29:31,740 --> 00:29:28,150
University of California San Diego San

661
00:29:33,950 --> 00:29:31,750
Diego State University a professor of

662
00:29:36,980 --> 00:29:33,960
religious studies and Sanskrit

663
00:29:38,450 --> 00:29:36,990

and this is how this looks we'll get

664

00:29:40,970 --> 00:29:38,460

into it a little bit later but this is

665

00:29:43,310 --> 00:29:40,980

actually Saturday night Indian many

666

00:29:45,860 --> 00:29:43,320

times I've been to India eighty times

667

00:29:47,060 --> 00:29:45,870

three books about sounded consciousness

668

00:29:49,700 --> 00:29:47,070

in its relationship to behavioral

669

00:29:51,110 --> 00:29:49,710

sciences and so I heard some of the

670

00:29:54,620 --> 00:29:51,120

words I knew that this was not just

671

00:29:56,570 --> 00:29:54,630

jibber and I picked up a camera and

672

00:29:59,419 --> 00:29:56,580

began to record this over two-month

673

00:30:02,299 --> 00:29:59,429

period of time this is the first time

674

00:30:04,580 --> 00:30:02,309

she brought writings into the office I

675

00:30:06,860 --> 00:30:04,590

said can you write this down yes

676

00:30:09,830 --> 00:30:06,870

so three more of these messages came she

677

00:30:13,130 --> 00:30:09,840

brought him in and this is how it looked

678

00:30:15,580 --> 00:30:13,140

this is how she wrote it and now she's

679

00:30:18,260 --> 00:30:15,590

going to be just reading this

680

00:30:19,880 --> 00:30:18,270

phonetically she said that she's hearing

681

00:30:22,190 --> 00:30:19,890

this person speaking she's reading it

682

00:30:24,919 --> 00:30:22,200

down phonetically so some words are

683

00:30:26,180 --> 00:30:24,929

misspelled actually and and this is how

684

00:30:29,000 --> 00:30:26,190

she's speaking

685

00:30:30,919 --> 00:30:29,010

rahama to an arrest like a Hamas you got

686

00:30:31,580 --> 00:30:30,929

a Bahama don't they invite the Empress

687

00:30:33,409 --> 00:30:31,590

Katia

688

00:30:35,269 --> 00:30:33,419

asked me for I said to the audience who

689

00:30:37,370 --> 00:30:35,279

have not idiotic farm coming at Cindy

690

00:30:39,740 --> 00:30:37,380

D'Amato to God to devata for her bounty

691

00:30:41,659 --> 00:30:39,750

okay so that's the first message three

692

00:30:44,330 --> 00:30:41,669

that came I started working with a

693

00:30:48,200 --> 00:30:44,340

Sanskrit scholar and a professor of

694

00:30:49,340 --> 00:30:48,210

cognitive science at the UCSD who said

695

00:30:52,909 --> 00:30:49,350

looking you've got to figure out what

696

00:30:54,289 --> 00:30:52,919

you actually have here so find out that

697

00:30:57,409 --> 00:30:54,299

what these messages are saying and how

698

00:30:59,600 --> 00:30:57,419

many message you have and so this would

699

00:31:03,370 --> 00:30:59,610

we we started to graph this is message

700

00:31:08,090 --> 00:31:03,380

number two started to graph it each

701
00:31:12,260 --> 00:31:08,100
column horizontal one two three four

702
00:31:15,680 --> 00:31:12,270
five six represents each line and the

703
00:31:18,289 --> 00:31:15,690
first square upper left this is what is

704
00:31:21,289 --> 00:31:18,299
the first line that Jackie the patient

705
00:31:23,810 --> 00:31:21,299
says estiga you're still tapana as there

706
00:31:25,789 --> 00:31:23,820
are some English words in here helping

707
00:31:27,950 --> 00:31:25,799
us understand who she's talking about or

708
00:31:30,970 --> 00:31:27,960
the voice is talking about the

709
00:31:33,700 --> 00:31:30,980
correction is a seka sotapanna that's a

710
00:31:39,919 --> 00:31:33,710
Buddhist term from Mahayana Buddhism

711
00:31:42,860 --> 00:31:39,929
which actually describes a certain level

712
00:31:46,280 --> 00:31:42,870
of consciousness a sticker and a sticker

713
00:31:47,870 --> 00:31:46,290

means anybody who experiences themselves

714

00:31:50,480 --> 00:31:47,880

as something more subtle in the physical

715

00:31:56,570 --> 00:31:50,490

body so this is actually a message to

716

00:31:59,330 --> 00:31:56,580

you also evidently then the language a

717

00:32:03,410 --> 00:31:59,340

sneaker Sanskrit sotapanna comes from

718

00:32:06,940 --> 00:32:03,420

Pali Canon from the prakrit language the

719

00:32:10,430 --> 00:32:06,950

Pali canons are written in this language

720

00:32:12,440 --> 00:32:10,440

from Mahayana Buddhism and so we

721

00:32:14,740 --> 00:32:12,450

understand the next column over

722

00:32:16,730 --> 00:32:14,750

tradition is Hinduism Buddhism and the

723

00:32:19,160 --> 00:32:16,740

translation is believer one who's

724

00:32:20,810 --> 00:32:19,170

entered the stream and Tanish wire to

725

00:32:23,180 --> 00:32:20,820

Massino who's the Sanskrit scholar

726
00:32:26,110 --> 00:32:23,190
believer you have entered the stream of

727
00:32:27,770 --> 00:32:26,120
divine grace now actually sotapanna

728
00:32:29,000 --> 00:32:27,780
represents a certain level of

729
00:32:32,570 --> 00:32:29,010
consciousness and the Buddhist tradition

730
00:32:33,200 --> 00:32:32,580
and the actual meaning is a stream

731
00:32:35,030 --> 00:32:33,210
enterer

732
00:32:37,000 --> 00:32:35,040
that's what it actually means okay so

733
00:32:41,120 --> 00:32:37,010
just to show you that we started doing

734
00:32:44,150 --> 00:32:41,130
after my presentation last year sure and

735
00:32:46,640 --> 00:32:44,160
I my wife and I had lunch with the

736
00:32:49,520 --> 00:32:46,650
Russell Targ and his wife Patricia and

737
00:32:52,070 --> 00:32:49,530
he said you know I'm a Buddhist and this

738
00:32:55,010 --> 00:32:52,080

seems like very much like a terma and I

739

00:32:58,420 --> 00:32:55,020

didn't know what the term turma was a

740

00:33:00,710 --> 00:32:58,430

terma is a hidden message that is

741

00:33:04,970 --> 00:33:00,720

transmitted by a Buddha or a very high

742

00:33:07,760 --> 00:33:04,980

soul to a tier time or a receiver in the

743

00:33:10,400 --> 00:33:07,770

in the future to be revealed or found

744

00:33:11,840 --> 00:33:10,410

now it sounds like science fiction much

745

00:33:15,230 --> 00:33:11,850

of what you're studying seems like

746

00:33:17,870 --> 00:33:15,240

science fiction I think but most people

747

00:33:21,010 --> 00:33:17,880

don't don't believe this and but this is

748

00:33:23,920 --> 00:33:21,020

well represented in a Buddhist tradition

749

00:33:27,670 --> 00:33:23,930

Vajrayana Buddhism there are three major

750

00:33:32,630 --> 00:33:27,680

traditions tera bata Mahayana much

751
00:33:37,250 --> 00:33:32,640
Vajrayana Buddhism and the way mariana

752
00:33:40,940 --> 00:33:37,260
buddhism the scriptures are developed is

753
00:33:43,730 --> 00:33:40,950
through this term of this belief that

754
00:33:47,990 --> 00:33:43,740
there are tier x or receivers of the

755
00:33:50,990 --> 00:33:48,000
message that understand it and can

756
00:33:54,620 --> 00:33:51,000
decipher it and project it into their

757
00:33:57,200 --> 00:33:54,630
scriptures so

758
00:33:58,550 --> 00:33:57,210
I thought well this is more I should

759
00:34:01,430 --> 00:33:58,560
really be presenting this as a

760
00:34:03,950 --> 00:34:01,440
revelation orator model and somewhere

761
00:34:05,830 --> 00:34:03,960
this clip just helps us understand a

762
00:34:07,880 --> 00:34:05,840
little bit you probably understand this

763
00:34:10,399 --> 00:34:07,890

revelation but term is very much like a

764

00:34:12,500 --> 00:34:10,409

revelation and then in this particular

765

00:34:16,100 --> 00:34:12,510

clip I'm going to show you the extent of

766

00:34:19,730 --> 00:34:16,110

the 14 messages a tremendous amount of

767

00:34:24,139 --> 00:34:19,740

material received from a very disabled

768

00:34:27,230 --> 00:34:24,149

patient actual concrete Sanford Center

769

00:34:29,419 --> 00:34:27,240

related languages received that have an

770

00:34:35,690 --> 00:34:29,429

actual message this is extraordinary

771

00:34:37,220 --> 00:34:35,700

a transmission of knowledge and bill

772

00:34:39,139 --> 00:34:37,230

Benson was talking about this

773

00:34:40,909 --> 00:34:39,149

transmission and that it's not energy

774

00:34:42,680 --> 00:34:40,919

it's it's information or knowledge

775

00:34:46,570 --> 00:34:42,690

that's why I asked the question to him

776

00:34:50,899 --> 00:34:46,580

this is a tremendous transmission of

777

00:34:54,020 --> 00:34:50,909

knowledge and in a and we'll get into

778

00:34:54,440 --> 00:34:54,030

the idea of what a movie is and what the

779

00:34:56,600 --> 00:34:54,450

terma

780

00:34:57,710 --> 00:34:56,610

is and what a ter tiniest like here

781

00:35:02,770 --> 00:34:57,720

we're just going to just get into

782

00:35:04,940 --> 00:35:02,780

revelation and in religion and theology

783

00:35:07,670 --> 00:35:04,950

revelation is the revealing or

784

00:35:10,310 --> 00:35:07,680

disclosing of some form of truth or

785

00:35:13,370 --> 00:35:10,320

knowledge through communication with a

786

00:35:17,510 --> 00:35:13,380

deity or other supernatural entity or

787

00:35:20,510 --> 00:35:17,520

entities Orthodox Jews Christians and

788

00:35:24,920 --> 00:35:20,520

Muslims believe that the Torah was

789

00:35:29,210 --> 00:35:24,930

received from Yahweh or God on biblical

790

00:35:33,190 --> 00:35:29,220

Mount Sinai Muslims believe that the

791

00:35:36,380 --> 00:35:33,200

Quran was revealed by God to Muhammad

792

00:35:40,340 --> 00:35:36,390

word by word through the angel Gabriel

793

00:35:45,730 --> 00:35:40,350

in Hinduism some Vedas are considered

794

00:35:50,300 --> 00:35:45,740

author 'less not human compositions or

795

00:35:52,940 --> 00:35:50,310

Shruti what is heard a direct revelation

796

00:35:55,430 --> 00:35:52,950

from divinity with the age of

797

00:35:58,070 --> 00:35:55,440

enlightenment in Europe beginning about

798

00:36:00,380 --> 00:35:58,080

the mid 17th century and with the

799

00:36:04,070 --> 00:36:00,390

development of rationalism materialism

800

00:36:05,850 --> 00:36:04,080

and atheism the concept of supernatural

801
00:36:10,230 --> 00:36:05,860
revelation faced

802
00:36:11,340 --> 00:36:10,240
scepticism a terma is defined as a

803
00:36:14,220 --> 00:36:11,350
hidden treasure

804
00:36:17,280 --> 00:36:14,230
they are various forms of hidden

805
00:36:19,800 --> 00:36:17,290
teachings that are key to the Tibetan

806
00:36:22,350 --> 00:36:19,810
Buddhist the belief is that these

807
00:36:25,550 --> 00:36:22,360
teachings were originally hidden by

808
00:36:30,200 --> 00:36:25,560
various adepts during the eighth century

809
00:36:35,400 --> 00:36:30,210
for future discovery at auspicious times

810
00:36:37,920 --> 00:36:35,410
Jackie received 14 messages here to show

811
00:36:41,000 --> 00:36:37,930
the amount of material gathered is a

812
00:36:43,950 --> 00:36:41,010
quick survey of all the messages of

813
00:36:46,770 --> 00:36:43,960

course to understand these messages and

814

00:36:50,580 --> 00:36:46,780

their overall meaning we'll have to

815

00:36:54,360 --> 00:36:50,590

analyze each one one by one which I will

816

00:36:56,550 --> 00:36:54,370

do in coming posts okay this is just to

817

00:36:59,910 --> 00:36:56,560

see the extent of it it's a fairly

818

00:37:03,150 --> 00:36:59,920

extensive and it gives a coherent

819

00:37:05,100 --> 00:37:03,160

overall message evidently for this

820

00:37:09,390 --> 00:37:05,110

particular time okay

821

00:37:11,940 --> 00:37:09,400

the voice in these messages identify him

822

00:37:14,490 --> 00:37:11,950

herself as parabrahman such a Sai Baba

823

00:37:17,460 --> 00:37:14,500

and Amitabha Buddha of life now

824

00:37:19,770 --> 00:37:17,470

parbrahma in Hinduism is infinite

825

00:37:22,950 --> 00:37:19,780

consciousness that is beyond attribute

826

00:37:25,290 --> 00:37:22,960

beyond name form time-space it is

827

00:37:27,990 --> 00:37:25,300

probably similar to the Buddhist

828

00:37:31,140 --> 00:37:28,000

absolute truth which means emptiness it

829

00:37:33,630 --> 00:37:31,150

is non form with full potential

830

00:37:35,730 --> 00:37:33,640

all opposites exist as one full

831

00:37:38,610 --> 00:37:35,740

potential and it can manifest in fact

832

00:37:40,880 --> 00:37:38,620

it's this source of creation such as Sai

833

00:37:44,490 --> 00:37:40,890

Baba is a Indian teacher who I was

834

00:37:47,520 --> 00:37:44,500

interested in and visited and Amitabha

835

00:37:49,800 --> 00:37:47,530

Buddha of light is a Buddha a celestial

836

00:37:52,560 --> 00:37:49,810

Buddha who exists in a celestial realm

837

00:37:55,860 --> 00:37:52,570

not embodied on earth but in the

838

00:37:57,660 --> 00:37:55,870

celestial realm who transmits these

839

00:37:59,730 --> 00:37:57,670

tournaments who has transmitted termers

840

00:38:02,820 --> 00:37:59,740

turma is the hidden message in the turf

841

00:38:05,610 --> 00:38:02,830

town is the one who who receives it now

842

00:38:07,770 --> 00:38:05,620

for understanding some of this material

843

00:38:09,870 --> 00:38:07,780

I want to get into some of this a little

844

00:38:12,740 --> 00:38:09,880

bit deeper references

845

00:38:15,710 --> 00:38:12,750

Holi gaily and received her PhD

846

00:38:17,690 --> 00:38:15,720

emollient studies at Harvard and John

847

00:38:21,160 --> 00:38:17,700

Reynolds Sanskrit Tibetan Buddhist

848

00:38:24,200 --> 00:38:21,170

studies Columbia Berkeley Washington

849

00:38:26,510 --> 00:38:24,210

University of Washington and I've had a

850

00:38:27,260 --> 00:38:26,520

fair amount of experience I mentioned

851

00:38:28,460 --> 00:38:27,270

I've been to India

852

00:38:30,470 --> 00:38:28,470

80 times and I've written three books

853

00:38:36,230 --> 00:38:30,480

about that expanding consciousness

854

00:38:38,090 --> 00:38:36,240

related to behavioral sciences okay so

855

00:38:40,660 --> 00:38:38,100

this is a paranormal phenomenon

856

00:38:43,070 --> 00:38:40,670

described in fact arianna Buddhism

857

00:38:45,200 --> 00:38:43,080

Tibetan word Karma we've gone through

858

00:38:48,380 --> 00:38:45,210

this a little bit a little bit more here

859

00:38:50,060 --> 00:38:48,390

literally means treasure usually refers

860

00:38:51,650 --> 00:38:50,070

to Buddhist Scripture received from a

861

00:38:52,810 --> 00:38:51,660

distant pass through the process of

862

00:38:56,150 --> 00:38:52,820

Revelation

863

00:38:59,060 --> 00:38:56,160

kirtan is a person who discovers an

864

00:39:03,160 --> 00:38:59,070

ancient hidden text the my term is

865

00:39:11,380 --> 00:39:08,690

termas line of transmission a Buddha

866

00:39:15,500 --> 00:39:11,390

like Amitabha the Buddha of light I

867

00:39:17,600 --> 00:39:15,510

transmits this it can be to a disciple

868

00:39:21,050 --> 00:39:17,610

in the eighth century called Padma Sam

869

00:39:29,150 --> 00:39:21,060

Baba or it can be to another another

870

00:39:33,580 --> 00:39:29,160

tier time and wisdom okay so here's just

871

00:39:37,460 --> 00:39:33,590

to demonstrate a number of Buddhist

872

00:39:39,350 --> 00:39:37,470

words that were unique here you see Don

873

00:39:42,980 --> 00:39:39,360

dint identify this actually is from

874

00:39:44,800 --> 00:39:42,990

Tibetan Buddhism which is a language

875

00:39:46,970 --> 00:39:44,810

separate from actually Sanskrit this is

876

00:39:49,190 --> 00:39:46,980

three Sanskrit scholars didn't know what

877

00:39:51,230 --> 00:39:49,200

this word was it took a google search

878

00:39:53,540 --> 00:39:51,240

and we found out that it meant absolute

879

00:39:57,140 --> 00:39:53,550

truth somebody just to play a little of

880

00:40:01,520 --> 00:39:57,150

this message one are the Tibetan

881

00:40:10,040 --> 00:40:01,530

Buddhist words Don damn pi denpa meaning

882

00:40:11,980 --> 00:40:10,050

absolute truth I just hear this whole

883

00:40:14,900 --> 00:40:11,990

idea of a higher level of consciousness

884

00:40:17,180 --> 00:40:14,910

means giving up attachment to the

885

00:40:20,239 --> 00:40:17,190

material sensory world until there's a

886

00:40:22,809 --> 00:40:20,249

sense in the Buddhist mind a minute

887

00:40:27,410 --> 00:40:22,819

a complete emptiness in advisor or

888

00:40:29,059 --> 00:40:27,420

non-dualism in Hinduism you see giving

889

00:40:32,359 --> 00:40:29,069

up everything that's impermanent until

890

00:40:34,430 --> 00:40:32,369

you reach a state of no-mind whatever

891

00:40:38,809 --> 00:40:34,440

that whatever that is now that is a

892

00:40:39,920 --> 00:40:38,819

certain level of attainment I'm going to

893

00:40:43,489 --> 00:40:39,930

go through this very quickly because

894

00:40:46,099 --> 00:40:43,499

this is just dr. Tim escena our Sanskrit

895

00:40:50,599 --> 00:40:46,109

scholar presenting at the APA American

896

00:40:53,989 --> 00:40:50,609

Psychiatric Association in 2015 we were

897

00:40:58,549 --> 00:40:53,999

there was a three-hour media workshop in

898

00:41:02,539 --> 00:40:58,559

here over two months we have 11 hours of

899

00:41:05,269 --> 00:41:02,549

video recordings 14 recorded messages

900

00:41:07,849 --> 00:41:05,279

four of them even when the patient is in

901
00:41:11,989 --> 00:41:07,859
a psychiatric hospital under close watch

902
00:41:14,630 --> 00:41:11,999
and heavily medicated we also have six

903
00:41:18,289 --> 00:41:14,640
additional incomplete messages while the

904
00:41:20,720 --> 00:41:18,299
patient is in a trance my area is

905
00:41:23,329 --> 00:41:20,730
language and it's mind-boggling it's

906
00:41:26,779 --> 00:41:23,339
it's just simply I do not know I cannot

907
00:41:30,229 --> 00:41:26,789
fathom and it took really long time for

908
00:41:33,109 --> 00:41:30,239
me just to analyze these like six seven

909
00:41:34,880 --> 00:41:33,119
lines because David they were coming

910
00:41:38,450 --> 00:41:34,890
from different traditions and different

911
00:41:41,450 --> 00:41:38,460
texts but still making a coherent sense

912
00:41:44,029 --> 00:41:41,460
so they were not like a unit I one could

913
00:41:48,200 --> 00:41:44,039

just jumbled together you I could read

914

00:41:53,839 --> 00:41:48,210

for example Hebrew Jack's which I don't

915

00:41:54,799 --> 00:41:53,849

know really is pretty profound and it

916

00:41:58,370 --> 00:41:54,809

takes a lot of time to actually

917

00:42:00,680 --> 00:41:58,380

understand but he's just talking about

918

00:42:02,749 --> 00:42:00,690

how extraordinary it was for him to find

919

00:42:05,809 --> 00:42:02,759

in text with amitaba

920

00:42:08,569 --> 00:42:05,819

is from Mahayana Buddhism depth by

921

00:42:12,229 --> 00:42:08,579

Delphi is from Tibetan Buddhism there

922

00:42:16,369 --> 00:42:12,239

are many and vitac or vedantic

923

00:42:18,679 --> 00:42:16,379

new terms all talking about how one

924

00:42:21,019 --> 00:42:18,689

rises in consciousness the process that

925

00:42:23,059 --> 00:42:21,029

we go through raised to a higher level

926
00:42:27,979 --> 00:42:23,069
of consciousness and you should know

927
00:42:31,039 --> 00:42:27,989
that in some of the inviting text it

928
00:42:34,069 --> 00:42:31,049
says that all mental power all mental

929
00:42:36,709 --> 00:42:34,079
power is ego comes from a false sense of

930
00:42:38,509 --> 00:42:36,719
self where we identify ourselves either

931
00:42:42,169 --> 00:42:38,519
with the self with the body self or the

932
00:42:45,439 --> 00:42:42,179
mind and that brahmand or infinite

933
00:42:47,509 --> 00:42:45,449
consciousness is the source of all now

934
00:42:49,759 --> 00:42:47,519
that's going to be hard to accept by a

935
00:42:51,979 --> 00:42:49,769
lot of people maybe we're having even

936
00:42:54,739 --> 00:42:51,989
difficulty understanding that but to

937
00:42:56,959 --> 00:42:54,749
understand that I wondered a long time

938
00:42:59,809 --> 00:42:56,969

why we don't have a great mystics and

939

00:43:02,509 --> 00:42:59,819

masters talking at conferences like this

940

00:43:04,219 --> 00:43:02,519

to help us understand how we do rise

941

00:43:11,389 --> 00:43:04,229

from one level of consciousness to

942

00:43:14,419 --> 00:43:11,399

another I sure that some of the some of

943

00:43:16,069 --> 00:43:14,429

the results of our investigations have a

944

00:43:18,019 --> 00:43:16,079

lot to do with their own consciousness

945

00:43:20,989 --> 00:43:18,029

and the levels of consciousness and the

946

00:43:22,639 --> 00:43:20,999

consciousness of our subject that is

947

00:43:26,869 --> 00:43:22,649

very important to understand that this

948

00:43:29,689 --> 00:43:26,879

work has actually been examined but in

949

00:43:32,149 --> 00:43:29,699

the past when I've heard of great

950

00:43:34,729 --> 00:43:32,159

masters talking about higher levels of

951
00:43:38,089 --> 00:43:34,739
consciousness what's lacking is actual

952
00:43:39,349 --> 00:43:38,099
data and so most scientists think well

953
00:43:41,749 --> 00:43:39,359
that's probably in the realm of

954
00:43:46,749 --> 00:43:41,759
imagination or symbolic thinking or

955
00:43:49,489 --> 00:43:46,759
something but here we have 14 messages

956
00:43:52,549 --> 00:43:49,499
received in one of my sickest patients

957
00:43:56,539 --> 00:43:52,559
who know nothing about Sanskrit or India

958
00:43:57,109 --> 00:43:56,549
she comes from her background is English

959
00:44:00,909 --> 00:43:57,119
in French

960
00:44:04,339 --> 00:44:00,919
and with no connection whatsoever to

961
00:44:06,589 --> 00:44:04,349
Sanskrit or to India speaking the most

962
00:44:08,509 --> 00:44:06,599
complicated not only languages but

963
00:44:12,620 --> 00:44:08,519

concepts as well that actually make

964

00:44:16,280 --> 00:44:12,630

extreme sense okay there's a stop

965

00:44:18,890 --> 00:44:16,290

I've got 15 seconds I don't know what to

966

00:44:20,720 --> 00:44:18,900

say except to try to underscore I you

967

00:44:22,880 --> 00:44:20,730

know said very hard for me to help

968

00:44:24,500 --> 00:44:22,890

people understand or confirm for me to

969

00:44:27,470 --> 00:44:24,510

communicate this with people actually

970

00:44:29,630 --> 00:44:27,480

being interested in it that's to me it's

971

00:44:31,220 --> 00:44:29,640

just completely amazing I mean I've been

972

00:44:32,990 --> 00:44:31,230

a psychiatrist my entire life I've just

973

00:44:34,550 --> 00:44:33,000

never seen anything like this I've read

974

00:44:37,040 --> 00:44:34,560

about it I've heard about it I've seen

975

00:44:43,190 --> 00:44:37,050

strange things in India but this is the

976
00:44:46,250 --> 00:44:43,200
most profound extraordinary deep wisdom

977
00:44:48,590 --> 00:44:46,260
from the mind of something here it's

978
00:44:50,780 --> 00:44:48,600
called parabrahman such a Saibaba I'm a

979
00:44:52,580 --> 00:44:50,790
top of movement of light it must this

980
00:44:55,160 --> 00:44:52,590
must represent a level of consciousness

981
00:44:56,930 --> 00:44:55,170
not a physical body but a level of

982
00:44:59,420 --> 00:44:56,940
consciousness which is admitting a

983
00:45:03,050 --> 00:44:59,430
capable of emitting very profound wisdom

984
00:45:06,260 --> 00:45:03,060
and this wisdom actually is directed to

985
00:45:09,080 --> 00:45:06,270
all of us it's saying as I understand

986
00:45:10,820 --> 00:45:09,090
we're moving from a a low level an age

987
00:45:11,690 --> 00:45:10,830
of low level consciousness called the

988
00:45:14,390 --> 00:45:11,700

kali yuga

989

00:45:16,610 --> 00:45:14,400

in hinduism is called a colligative to a

990

00:45:19,640 --> 00:45:16,620

high level of consciousness called the

991

00:45:23,330 --> 00:45:19,650

Satya Yuga there is this movement and

992

00:45:25,160 --> 00:45:23,340

the mind of man is being purified and

993

00:45:28,640 --> 00:45:25,170

they're being shaken we're being shaken

994

00:45:30,140 --> 00:45:28,650

but as we're as the mind is being

995

00:45:34,730 --> 00:45:30,150

purified and we're awakening to a new

996

00:45:36,830 --> 00:45:34,740

level of knowledge just a quick question

997

00:45:39,310 --> 00:45:36,840

people have been talking throughout the

998

00:45:41,620 --> 00:45:39,320

meeting about kind of consciousness

999

00:45:44,180 --> 00:45:41,630

pre-existing or just being out there

1000

00:45:45,620 --> 00:45:44,190

with this think this seems like it might

1001
00:45:48,700 --> 00:45:45,630
be an example of that does that sound

1002
00:45:52,790 --> 00:45:48,710
reasonable it's not out there

1003
00:45:53,630 --> 00:45:52,800
I understand it but everything is

1004
00:45:56,440 --> 00:45:53,640
consciousness

1005
00:45:59,330 --> 00:45:56,450
it's our low level of awareness that

1006
00:46:02,450 --> 00:45:59,340
competences consciousness into duality

1007
00:46:05,300 --> 00:46:02,460
that that idea of duality where we

1008
00:46:09,830 --> 00:46:05,310
separate one thing from another thing

1009
00:46:13,370 --> 00:46:09,840
not nonlocality the idea of duality it's

1010
00:46:15,500 --> 00:46:13,380
basic in Hinduism is called ignorance we

1011
00:46:17,640 --> 00:46:15,510
have when our association with separate

1012
00:46:19,559 --> 00:46:17,650
names and forms but everything is

1013
00:46:22,349 --> 00:46:19,569

as we rising consciously begin to see

1014

00:46:26,099 --> 00:46:22,359

everything is consciousness the that's

1015

00:46:30,539 --> 00:46:26,109

all there is and consciousness decides

1016

00:46:33,180 --> 00:46:30,549

or intends to create and it creates like

1017

00:46:36,059 --> 00:46:33,190

forming a I was going to describe this

1018

00:46:37,769 --> 00:46:36,069

for me a dot it's just similar to the

1019

00:46:40,109 --> 00:46:37,779

Big Bang Theory and in that dot

1020

00:46:42,839 --> 00:46:40,119

it's called nada Bindu kala Bindu means

1021

00:46:44,609 --> 00:46:42,849

a dot nada is a sound it's a dot of

1022

00:46:47,700 --> 00:46:44,619

sound that has light in it and kala

1023

00:46:52,049 --> 00:46:47,710

means time and from there it bursts in

1024

00:46:54,390 --> 00:46:52,059

all name forms sound all attributes all

1025

00:46:55,740 --> 00:46:54,400

wisdom emanate from that as the cosmos

1026
00:46:58,859 --> 00:46:55,750
that's something and it's very much like

1027
00:47:00,660 --> 00:46:58,869
the Big Bang Theory except it says that

1028
00:47:03,660 --> 00:47:00,670
it is coming from pure consciousness

1029
00:47:05,250 --> 00:47:03,670
there and that is the the basic realm

1030
00:47:08,789 --> 00:47:05,260
here comes I guess what I meant to say

1031
00:47:19,049 --> 00:47:08,799
it simply exists and is there not that

1032
00:47:28,319 --> 00:47:19,059
there is a place but it's just how is

1033
00:47:30,829 --> 00:47:28,329
the patient and she had serious physical

1034
00:47:34,349 --> 00:47:30,839
illness also so that she suffered a lot

1035
00:47:36,450 --> 00:47:34,359
hi I had three quick questions question

1036
00:47:39,599 --> 00:47:36,460
number one uh when she was receiving the

1037
00:47:43,380 --> 00:47:39,609
auditory messages was it a male or

1038
00:47:45,779 --> 00:47:43,390

female voice I was it coming from to her

1039

00:47:48,450 --> 00:47:45,789

right ear life theater both it's very

1040

00:47:52,890 --> 00:47:48,460

important question number two were you

1041

00:47:55,500 --> 00:47:52,900

able to do any ieg study when she was

1042

00:47:57,480 --> 00:47:55,510

trans while she was transmitting because

1043

00:48:00,750 --> 00:47:57,490

it would be you know I'm curious about

1044

00:48:02,130 --> 00:48:00,760

what part of a brain was involved I

1045

00:48:04,650 --> 00:48:02,140

don't think it would be a Language

1046

00:48:07,440 --> 00:48:04,660

Center but just maybe whether the

1047

00:48:08,730 --> 00:48:07,450

Olympics limbic system was involve of

1048

00:48:13,250 --> 00:48:08,740

the brain and question number three

1049

00:48:18,180 --> 00:48:13,260

would she at any point suffer

1050

00:48:20,279 --> 00:48:18,190

compulsions or any you know this kind of

1051
00:48:21,680 --> 00:48:20,289
disorder manic depressive or anything

1052
00:48:24,600 --> 00:48:21,690
like that

1053
00:48:27,030 --> 00:48:24,610
well the last one first no she didn't

1054
00:48:31,860 --> 00:48:27,040
she experienced the physical expression

1055
00:48:34,500 --> 00:48:31,870
of either early trauma or suffering and

1056
00:48:38,150 --> 00:48:34,510
it took the form of headaches and pseudo

1057
00:48:40,530 --> 00:48:38,160
seizures so that was it there was no

1058
00:48:42,500 --> 00:48:40,540
manic-depressive schizophrenic or other

1059
00:48:46,350 --> 00:48:42,510
kind

1060
00:48:49,950 --> 00:48:46,360
number your second one I didn't do any

1061
00:48:52,530 --> 00:48:49,960
recording so I don't know where where

1062
00:48:54,810 --> 00:48:52,540
what was coming and it was infrequent

1063
00:48:57,150 --> 00:48:54,820

where she was actually in trance with me

1064

00:48:59,580 --> 00:48:57,160

and then deciphering enough to

1065

00:49:02,820 --> 00:48:59,590

understand that she'd written down which

1066

00:49:10,610 --> 00:49:02,830

were very kapow the first one the first