1
00:00:24,819 --> 00:00:16,080
[Music]

2
00:00:26,080 --> 00:00:24,829
hello my name is Eric Maddox I'm a

3
00:00:28,479 --> 00:00:26,090
graduate student at the University of

4
00:00:30,519 --> 00:00:28,489
Colorado and like to speak to you today

5
00:00:34,360 --> 00:00:30,529
about some research I did on machine

6
00:00:37,600 --> 00:00:34,370
mediated remote viewing my interest in

7
00:00:40,900 --> 00:00:37,610
this was really the data in remote

8
00:00:43,330 --> 00:00:40,910
viewing if if you have a target that's

9
00:00:44,620 --> 00:00:43,340
here in at a location in time and then

10
00:00:46,360 --> 00:00:44,630
you have a remote viewer which is over

11
00:00:47,950 --> 00:00:46,370
here my interest is in this middle

12
00:00:52,000 --> 00:00:47,960
section that's what was really

13
00:00:53,170 --> 00:00:52,010

motivating me to do this this is my

14
00:00:56,290 --> 00:00:53,180
favorite definition for remote viewing

15
00:00:57,640 --> 00:00:56,300
actually comes from Ingo Swann remote

16
00:00:59,530 --> 00:00:57,650
viewing provides information about

17
00:01:02,760 --> 00:00:59,540
things and situations distant in space

18
00:01:05,439 --> 00:01:02,770
and time from local story ambience I

19
00:01:08,980 --> 00:01:05,449
think this is the best definition that

20
00:01:10,660 --> 00:01:08,990
I've come across the initial remote

21
00:01:12,789 --> 00:01:10,670
viewing research modern remote viewing

22
00:01:16,989 --> 00:01:12,799
research was done at SR I in the early

23
00:01:18,999 --> 00:01:16,999
70s they really codified remote viewing

24
00:01:21,550 --> 00:01:19,009
and came up with a protocol to follow to

25
00:01:24,520 --> 00:01:21,560
get accurate results and repeatable

26
00:01:26,109 --> 00:01:24,530
results this was funded by this Central

27
00:01:28,120 --> 00:01:26,119
Intelligence Agency because they saw it

28
00:01:33,480 --> 00:01:28,130
as a means of being able to gather

29
00:01:38,559 --> 00:01:36,789
this was later handed off to the Defense

30
00:01:41,349 --> 00:01:38,569
Intelligence Agency where you get these

31
00:01:43,449 --> 00:01:41,359
buzzword project names like Stargate -

32
00:01:46,209 --> 00:01:43,459
everybody has heard about who looks into

33
00:01:48,429 --> 00:01:46,219
remote viewing this program bounced

34
00:01:51,010 --> 00:01:48,439
around a lot ended up bouncing to SAIC

35
00:01:55,719 --> 00:01:51,020
in the 90s who continued the research

36
00:02:00,849 --> 00:01:55,729
and remote viewing the the output of

37
00:02:05,469 --> 00:02:00,859
this was good protocols for following to

38
00:02:07,120 --> 00:02:05,479

get accurate results and there was an

39
00:02:08,350 --> 00:02:07,130
investigation that was done by the

40
00:02:11,890 --> 00:02:08,360
Central Intelligence Agency they

41
00:02:13,900 --> 00:02:11,900
actually hired a group of scientists to

42
00:02:15,190 --> 00:02:13,910
study the remote viewing data and they

43
00:02:16,440 --> 00:02:15,200
said you know we what we want you to

44
00:02:19,370 --> 00:02:16,450
look at this we want you to make an

45
00:02:22,070 --> 00:02:19,380
honest evaluation after

46
00:02:23,690 --> 00:02:22,080
many months of research the ultimate

47
00:02:26,060 --> 00:02:23,700
output in the in the report was that

48
00:02:28,100 --> 00:02:26,070
there is a significant amount of

49
00:02:30,380 --> 00:02:28,110
accurate data being collected in these

50
00:02:32,030 --> 00:02:30,390
recent remote viewing experiments even

51
00:02:35,180 --> 00:02:32,040
though that was the ultimate output of

52
00:02:38,150 --> 00:02:35,190
this investigation into remote viewing

53
00:02:41,030 --> 00:02:38,160
the program was defunded really CIA

54
00:02:42,800 --> 00:02:41,040
wanted an excuse to defund it so this

55
00:02:44,870 --> 00:02:42,810
was just kind of they try to use this as

56
00:02:48,170 --> 00:02:44,880
the reason but didn't doesn't really

57
00:02:49,850 --> 00:02:48,180
hold up logically the machine and my

58
00:02:52,010 --> 00:02:49,860
machine media remote viewing is our

59
00:02:54,380 --> 00:02:52,020
random number generators random number

60
00:02:56,840 --> 00:02:54,390
generators are simple machines that

61
00:02:58,160 --> 00:02:56,850
output random sequences of ones and

62
00:03:00,320 --> 00:02:58,170
zeros they're sometimes called

63
00:03:02,150 --> 00:03:00,330

electronic coin flippers because you get

64
00:03:05,360 --> 00:03:02,160
one output or another completely

65
00:03:06,800 --> 00:03:05,370
randomly random number generator

66
00:03:08,230 --> 00:03:06,810
research has been going on for quite

67
00:03:10,310 --> 00:03:08,240
some time

68
00:03:12,440 --> 00:03:10,320
how much MIT did some of the early

69
00:03:15,320 --> 00:03:12,450
research he did his in the late 60s and

70
00:03:16,670 --> 00:03:15,330
early 70s here's a picture of one of his

71
00:03:18,380 --> 00:03:16,680
machines that he used in his research

72
00:03:20,920 --> 00:03:18,390
where he hooked up a random number

73
00:03:23,690 --> 00:03:20,930
generator to a bank of four lights and

74
00:03:25,280 --> 00:03:23,700
he used this to try and get people to

75
00:03:29,060 --> 00:03:25,290
judge which light was going to be lit up

76
00:03:32,330 --> 00:03:29,070
by the random number generator later on

77
00:03:34,160 --> 00:03:32,340
in the 90s pear research labs did a

78
00:03:37,010 --> 00:03:34,170
meta-analysis of random number generator

79
00:03:39,800 --> 00:03:37,020
data and they came to two very important

80
00:03:42,830 --> 00:03:39,810
conclusions one random number generators

81
00:03:45,500 --> 00:03:42,840
output our is completely random when to

82
00:03:47,600 --> 00:03:45,510
those random number generators outputs

83
00:03:50,210 --> 00:03:47,610
do deviate from random when they're

84
00:03:51,500 --> 00:03:50,220
involved inside experiments so because

85
00:03:53,210 --> 00:03:51,510
of this this is why I really wanted to

86
00:03:57,170 --> 00:03:53,220
use a random number generator as the

87
00:03:58,490 --> 00:03:57,180
machine in my experiments this is the

88
00:04:01,449 --> 00:03:58,500

picture of the machine I use it's a

89
00:04:05,030 --> 00:04:01,459
Siler on random number generator it's a

90
00:04:08,300 --> 00:04:05,040
small metallic case about the size of a

91
00:04:13,010 --> 00:04:08,310
deck of cards roughly it's very in

92
00:04:14,510 --> 00:04:13,020
obtrusive easy to use it should be noted

93
00:04:16,640 --> 00:04:14,520
that these random generators are

94
00:04:18,289 --> 00:04:16,650
protected in that they are not

95
00:04:20,780 --> 00:04:18,299
influenced by electromagnetic

96
00:04:24,640 --> 00:04:20,790
interference RF radiation or even

97
00:04:27,590 --> 00:04:24,650
thermal emission so they're very stable

98
00:04:29,030 --> 00:04:27,600
my experimental objective was I propose

99
00:04:31,370 --> 00:04:29,040
that remote viewing could be carried out

100
00:04:33,080 --> 00:04:31,380
using human subjects who are

101
00:04:36,500 --> 00:04:33,090
unconsciously producing images of

102
00:04:38,210 --> 00:04:36,510
via a local random number generator now

103
00:04:40,460 --> 00:04:38,220
my procedures for my experiment were

104
00:04:41,960 --> 00:04:40,470
kind of twofold I had two different

105
00:04:43,909 --> 00:04:41,970
groups that I ran this experiment on the

106
00:04:46,100 --> 00:04:43,919
first group was what I call non

107
00:04:47,629 --> 00:04:46,110
experienced this comprised primarily of

108
00:04:50,140 --> 00:04:47,639
engineering students at the University

109
00:04:52,850 --> 00:04:50,150
of Colorado and to say they were

110
00:04:54,830 --> 00:04:52,860
skeptical as an understatement they did

111
00:04:57,590 --> 00:04:54,840
not believe in this at all but they

112
00:04:59,480 --> 00:04:57,600
volunteered I appreciated and they went

113
00:05:04,270 --> 00:04:59,490

through the experiment the second group

114
00:05:06,860 --> 00:05:04,280
is experienced now by this I mean I had

115
00:05:09,550 --> 00:05:06,870
self-reported psychics people with

116
00:05:11,659 --> 00:05:09,560
spirit guides that gave them answers

117
00:05:13,520 --> 00:05:11,669
professional remote viewers they do this

118
00:05:15,980 --> 00:05:13,530
for a living so that was my second group

119
00:05:17,890 --> 00:05:15,990
now in my experiment I had two unique

120
00:05:21,050 --> 00:05:17,900
procedures the first one being a

121
00:05:22,879 --> 00:05:21,060
standard or typical remote viewing

122
00:05:24,800 --> 00:05:22,889
procedure where there's a target and the

123
00:05:26,900 --> 00:05:24,810
person would remote view that target to

124
00:05:30,560 --> 00:05:26,910
get the information about it the second

125
00:05:33,140 --> 00:05:30,570
procedure III term psychokinesis really

126
00:05:34,520 --> 00:05:33,150
at that point I had the person get a

127
00:05:36,020 --> 00:05:34,530
target and then they were able to see

128
00:05:37,969 --> 00:05:36,030
and look at that target and then I

129
00:05:41,120 --> 00:05:37,979
wanted them to project that information

130
00:05:44,690 --> 00:05:41,130
out there so those are the two sides of

131
00:05:49,850 --> 00:05:44,700
my little equation all of the targets

132
00:05:52,310 --> 00:05:49,860
in my experiment were Zener cards all of

133
00:05:53,870 --> 00:05:52,320
the data that I collected that I

134
00:05:55,279 --> 00:05:53,880
considered a real important came from

135
00:05:56,810 --> 00:05:55,289
the Sylar on random number generator

136
00:05:59,300 --> 00:05:56,820
which was collecting data while the

137
00:06:01,850 --> 00:05:59,310
experiment was taking place for the

138
00:06:04,100 --> 00:06:01,860

judging of images at the end of the

139
00:06:06,140 --> 00:06:04,110
experiment we used the SSRI system I'll

140
00:06:08,089 --> 00:06:06,150
explain that a little more later to

141
00:06:09,860 --> 00:06:08,099
judge the drawings versus the Zener

142
00:06:11,540 --> 00:06:09,870
cards it should be noted that no

143
00:06:15,680 --> 00:06:11,550
feedback was given to their participants

144
00:06:18,159 --> 00:06:15,690
during this experiment this is a real

145
00:06:20,659 --> 00:06:18,169
simple diagram of the experimental setup

146
00:06:23,029 --> 00:06:20,669
it was a conference room which was

147
00:06:24,050 --> 00:06:23,039
private he closed the doors the subjects

148
00:06:25,700 --> 00:06:24,060
sat on one side of the table the

149
00:06:27,650 --> 00:06:25,710
experimenter sat on the other the

150
00:06:30,080 --> 00:06:27,660
experiment an experimenter had access to

151
00:06:31,810 --> 00:06:30,090
a laptop computer which ran the random

152
00:06:35,930 --> 00:06:31,820
number generator and collected the data

153
00:06:37,700 --> 00:06:35,940
the subject was never able to see the

154
00:06:40,070 --> 00:06:37,710
computer itself and many of them didn't

155
00:06:41,870 --> 00:06:40,080
really care of all the subjects that

156
00:06:44,600 --> 00:06:41,880
were tested only one person asked what

157
00:06:45,920 --> 00:06:44,610
that little box was on the table he says

158
00:06:46,410 --> 00:06:45,930
what's that and I said oh well that's a

159
00:06:48,120 --> 00:06:46,420
device for

160
00:06:50,370 --> 00:06:48,130
collecting data they go okay and

161
00:06:51,330 --> 00:06:50,380
everything was fine so nobody seemed to

162
00:06:55,560 --> 00:06:51,340
care that the random number generator

163
00:06:57,180 --> 00:06:55,570

was right there in this room IRB consent

164
00:06:59,640 --> 00:06:57,190
forms that's the investigational Review

165
00:07:00,810 --> 00:06:59,650
Board that's the entity at the college

166
00:07:04,050 --> 00:07:00,820
that protects the rights of people

167
00:07:05,610 --> 00:07:04,060
taking part in experiments was gone over

168
00:07:06,990 --> 00:07:05,620
any questions were answer that the

169
00:07:08,280 --> 00:07:07,000
participants had and then the

170
00:07:11,550 --> 00:07:08,290
experimental procedures were explained

171
00:07:14,370 --> 00:07:11,560
and the experiment began the first

172
00:07:17,430 --> 00:07:14,380
procedure is remote viewing very first

173
00:07:19,620 --> 00:07:17,440
step subject has to randomly select the

174
00:07:21,600 --> 00:07:19,630
target now there were 25 sealed

175
00:07:25,290 --> 00:07:21,610
envelopes each one of those contained a

176
00:07:27,690 --> 00:07:25,300
zine or card the experimenter knew that

177
00:07:30,270 --> 00:07:27,700
the target was a Zener card but you did

178
00:07:33,900 --> 00:07:30,280
not know which Zener card was in there

179
00:07:35,850 --> 00:07:33,910
so it was both parties were unaware the

180
00:07:37,530 --> 00:07:35,860
should be noted the the person doing the

181
00:07:39,240 --> 00:07:37,540
remote viewing they had no idea of what

182
00:07:40,620 --> 00:07:39,250
the targets were they just said yeah

183
00:07:43,020 --> 00:07:40,630
there's a target there's a picture and

184
00:07:47,400 --> 00:07:43,030
they're of a location or object we want

185
00:07:49,260 --> 00:07:47,410
you to describe it the participant was

186
00:07:51,930 --> 00:07:49,270
then given two minutes during that two

187
00:07:54,270 --> 00:07:51,940
minutes the participant made hand

188
00:07:57,210 --> 00:07:54,280

drawings or wrote down a description of

189
00:07:59,400 --> 00:07:57,220
what they thought that target was during

190
00:08:01,110 --> 00:07:59,410
that two minutes time the random numbers

191
00:08:04,260 --> 00:08:01,120
were being collected with the cylon

192
00:08:08,250 --> 00:08:04,270
random number generator for procedure to

193
00:08:10,260 --> 00:08:08,260
the psychokinesis experiment the person

194
00:08:12,030 --> 00:08:10,270
has to select a target now this is where

195
00:08:14,280 --> 00:08:12,040
it's slightly different at this point

196
00:08:16,110 --> 00:08:14,290
this person was allowed to open that car

197
00:08:18,270 --> 00:08:16,120
but an envelope and take the card out

198
00:08:19,830 --> 00:08:18,280
and we were very specifically say we

199
00:08:21,780 --> 00:08:19,840
open the card take it out do not show

200
00:08:24,030 --> 00:08:21,790
the experimenter we want you to look at

201
00:08:25,820 --> 00:08:24,040
the card and for one minute's time we

202
00:08:28,380 --> 00:08:25,830
want you to concentrate on that card

203
00:08:29,790 --> 00:08:28,390
focus on it we want you to look at it

204
00:08:34,080 --> 00:08:29,800
and draw it over and over again in your

205
00:08:36,030 --> 00:08:34,090
head and so it base it okay and during

206
00:08:40,020 --> 00:08:36,040
that time the numbers were collected

207
00:08:41,730 --> 00:08:40,030
from the random number generator now I

208
00:08:44,820 --> 00:08:41,740
need to explain to you how we created

209
00:08:46,680 --> 00:08:44,830
images with these strings of random

210
00:08:48,630 --> 00:08:46,690
numbers up at the top I have some sample

211
00:08:50,010 --> 00:08:48,640
data from the random number generator so

212
00:08:54,120 --> 00:08:50,020
this essentially is a string of ones and

213
00:08:56,070 --> 00:08:54,130

zeros these strings of data then we're

214
00:08:58,200 --> 00:08:56,080
taken and they were turned into a

215
00:09:00,360 --> 00:08:58,210
rasterized image I would take the first

216
00:09:02,100 --> 00:09:00,370
100 bits of data

217
00:09:07,470 --> 00:09:02,110
and I would assign them to these bit

218
00:09:10,440 --> 00:09:07,480
locations here on this map so in

219
00:09:12,540 --> 00:09:10,450
location one if the number was a one I

220
00:09:15,240 --> 00:09:12,550
put a dot there I filled in that hole

221
00:09:17,670 --> 00:09:15,250
there was a zero I left it blank I did

222
00:09:19,650 --> 00:09:17,680
this for all of these locations so those

223
00:09:22,560 --> 00:09:19,660
first hundred bits would create this

224
00:09:24,420 --> 00:09:22,570
very crude rough image for every session

225
00:09:27,450 --> 00:09:24,430
that I did there's roughly fifty

226
00:09:29,010 --> 00:09:27,460
thousand bits of data that's a lot of

227
00:09:31,200 --> 00:09:29,020
images I mean it's several hundred

228
00:09:32,820 --> 00:09:31,210
images per session and because there

229
00:09:35,160 --> 00:09:32,830
were so many images we had to have a way

230
00:09:39,470 --> 00:09:35,170
of pairing that down to something we

231
00:09:42,240 --> 00:09:39,480
could analyze easily this is the

232
00:09:44,220 --> 00:09:42,250
averaging algorithm that we used we took

233
00:09:46,110 --> 00:09:44,230
these hundreds of images and then we

234
00:09:48,240 --> 00:09:46,120
looked at every specific location and

235
00:09:53,579 --> 00:09:48,250
then we created an average for that

236
00:09:55,740 --> 00:09:53,589
location if that average number was less

237
00:09:58,700 --> 00:09:55,750
than five well that was a zero and that

238
00:10:01,890 --> 00:09:58,710

position was left blank if that average

239
00:10:03,630 --> 00:10:01,900
was greater than 0.5 then we put a dot

240
00:10:05,130 --> 00:10:03,640
there and so we created an average image

241
00:10:07,410 --> 00:10:05,140
from these hundreds of images that we

242
00:10:10,610 --> 00:10:07,420
created and that final averaged image is

243
00:10:14,400 --> 00:10:10,620
what we actually used we did our judging

244
00:10:17,010 --> 00:10:14,410
the image judging itself we judged both

245
00:10:19,260 --> 00:10:17,020
the remote viewing and the piqué images

246
00:10:20,540 --> 00:10:19,270
we used the SSRI ranking system which

247
00:10:25,079 --> 00:10:20,550
for a forced-choice

248
00:10:26,550 --> 00:10:25,089
ranking we had a ranks of 1 through 5 we

249
00:10:28,560 --> 00:10:26,560
knew what the targets were they were the

250
00:10:31,110 --> 00:10:28,570
senior cards so we would give a score of

251
00:10:34,290 --> 00:10:31,120
5 if the image looked the most like the

252
00:10:36,030 --> 00:10:34,300
target score 1 if it looked the least

253
00:10:39,090 --> 00:10:36,040
like the target so we have this nice

254
00:10:42,090 --> 00:10:39,100
little range of numbers and it should be

255
00:10:44,010 --> 00:10:42,100
noted all judging was done after all of

256
00:10:45,329 --> 00:10:44,020
the data was collected so this was like

257
00:10:50,190 --> 00:10:45,339
kind of like the final step was the

258
00:10:51,840 --> 00:10:50,200
judging here's an example on the left

259
00:10:53,430 --> 00:10:51,850
hand side we have the subject hand

260
00:10:55,680 --> 00:10:53,440
drawing during a remote viewing session

261
00:10:58,590 --> 00:10:55,690
and then on the right hand side we have

262
00:11:00,030 --> 00:10:58,600
the averaged image that was created from

263
00:11:02,730 --> 00:11:00,040

the random number generator and in the

264
00:11:04,650 --> 00:11:02,740
center we have the targets the judging

265
00:11:05,570 --> 00:11:04,660
judges looked at this made their

266
00:11:08,340 --> 00:11:05,580
decision

267
00:11:10,560 --> 00:11:08,350
you can see here both of these images

268
00:11:12,480 --> 00:11:10,570
the judges say hey you know this looks

269
00:11:13,630 --> 00:11:12,490
the most like wavy lines so they give it

270
00:11:15,880 --> 00:11:13,640
a score of 5

271
00:11:18,220 --> 00:11:15,890
and then on down the judge is not

272
00:11:21,400 --> 00:11:18,230
exactly the same for the two images but

273
00:11:24,670 --> 00:11:21,410
you can see here for the most alike they

274
00:11:27,130 --> 00:11:24,680
both agreed that it was wavy lines these

275
00:11:29,170 --> 00:11:27,140
are the locations that the judges he saw

276
00:11:31,240 --> 00:11:29,180
these wavy lines we said oh yeah I see

277
00:11:33,820 --> 00:11:31,250
wavy lines this is where I see it and

278
00:11:37,180 --> 00:11:33,830
when we actually finally looked at the

279
00:11:40,420 --> 00:11:37,190
results the target was the wavy lines so

280
00:11:43,000 --> 00:11:40,430
this would be considered a strong hit in

281
00:11:46,510 --> 00:11:43,010
the second example we looked at these

282
00:11:48,880 --> 00:11:46,520
two drawings made our judgments here the

283
00:11:50,380 --> 00:11:48,890
judgments are slightly different for the

284
00:11:52,750 --> 00:11:50,390
hand-drawn image we thought it looked

285
00:11:54,340 --> 00:11:52,760
most like the square and for the random

286
00:11:55,390 --> 00:11:54,350
number generator generated image we

287
00:11:57,760 --> 00:11:55,400
thought it looked more like a cross

288
00:11:59,710 --> 00:11:57,770

here's those images that we saw that we

289
00:12:04,540 --> 00:11:59,720
use for judging and when we finally got

290
00:12:07,540 --> 00:12:04,550
the target it was across now these are

291
00:12:09,430 --> 00:12:07,550
both hits but the random number

292
00:12:11,020 --> 00:12:09,440
generator produced an image that was a

293
00:12:12,880 --> 00:12:11,030
stronger hit it had a score of 5 so it

294
00:12:16,270 --> 00:12:12,890
was a stronger hit than the score of 4

295
00:12:17,980 --> 00:12:16,280
we had for the hand-drawn image third

296
00:12:20,560 --> 00:12:17,990
example I like this one because it's a

297
00:12:22,390 --> 00:12:20,570
little more just more disparity for here

298
00:12:24,160 --> 00:12:22,400
the hand-drawn image we said this looks

299
00:12:27,730 --> 00:12:24,170
like a circle this is this is a strong

300
00:12:29,980 --> 00:12:27,740
circle whereas on the generated image we

301
00:12:31,300 --> 00:12:29,990
said this looks like wavy lines here I

302
00:12:33,040 --> 00:12:31,310
mean here's the locations that we made

303
00:12:34,840 --> 00:12:33,050
these judgments for these are very

304
00:12:39,160 --> 00:12:34,850
different in in judging between these

305
00:12:40,930 --> 00:12:39,170
two when we finally got the targets it

306
00:12:43,030 --> 00:12:40,940
was wavy lines so this would be a

307
00:12:45,670 --> 00:12:43,040
complete miss on the hand-drawn image

308
00:12:49,030 --> 00:12:45,680
but a strong hit on the random number

309
00:12:53,770 --> 00:12:49,040
generated image so it'll be fun here's

310
00:12:55,810 --> 00:12:53,780
an example by a show of hands who thinks

311
00:13:05,090 --> 00:12:55,820
who sees a star most likely in this

312
00:13:22,370 --> 00:13:13,240
about wavy lines all right how about a

313
00:13:26,300 --> 00:13:22,380

circle okay well let's take a look at

314
00:13:29,060 --> 00:13:26,310
what this the judges saw the judges saw

315
00:13:30,740 --> 00:13:29,070
this as white wavy lines they saw that

316
00:13:34,250 --> 00:13:30,750
and that was the strongest followed by

317
00:13:36,740 --> 00:13:34,260
circle star cross and square when you

318
00:13:39,160 --> 00:13:36,750
look at what the actual target was well

319
00:13:41,360 --> 00:13:39,170
there's there's what the judges saw

320
00:13:42,890 --> 00:13:41,370
target was wavy line so everybody raise

321
00:13:44,450 --> 00:13:42,900
her hand and wave you Lions which by the

322
00:13:46,610 --> 00:13:44,460
way was the majority of the people that

323
00:13:47,300 --> 00:13:46,620
raised their hand in this room you were

324
00:13:49,400 --> 00:13:47,310
correct

325
00:13:51,520 --> 00:13:49,410
that that's the way the judges work

326
00:13:53,930 --> 00:13:51,530
that's what the target actually was

327
00:13:58,820 --> 00:13:53,940
let's do an example with the hand-drawn

328
00:14:06,670 --> 00:13:58,830
image who sees a circle surprise okay

329
00:14:13,100 --> 00:14:06,680
how about a cross wavy lines Square and

330
00:14:14,780 --> 00:14:13,110
star all right of course

331
00:14:17,170 --> 00:14:14,790
the judges when they saw it they saw the

332
00:14:21,290 --> 00:14:17,180
circle - like most everybody did here

333
00:14:23,660 --> 00:14:21,300
they then saw a star and people who

334
00:14:25,730 --> 00:14:23,670
didn't look around by far everybody

335
00:14:26,990 --> 00:14:25,740
raised their hand with round the second

336
00:14:30,320 --> 00:14:27,000
most which had three people raised their

337
00:14:32,270 --> 00:14:30,330
hand was a star and then down with the

338
00:14:36,380 --> 00:14:32,280

other ones so this is what the judges

339
00:14:38,450 --> 00:14:36,390
saw that's what the target was so even

340
00:14:40,840 --> 00:14:38,460
in this room the judging is very similar

341
00:14:45,620 --> 00:14:40,850
to the way the judges judge these images

342
00:14:48,940 --> 00:14:45,630
which is good real quick this is how I

343
00:14:51,890 --> 00:14:48,950
determine statistical significance for

344
00:14:54,200 --> 00:14:51,900
after we judged all the images I want to

345
00:14:55,520 --> 00:14:54,210
go into the math let's look at these

346
00:14:57,110 --> 00:14:55,530
different groups now if a group one was

347
00:15:00,200 --> 00:14:57,120
the inexperienced group primarily the

348
00:15:03,410 --> 00:15:00,210
engineering students this is all of the

349
00:15:08,000 --> 00:15:03,420
data collected of that the majority this

350
00:15:10,490 --> 00:15:08,010
was not significant however we did find

351
00:15:12,650 --> 00:15:10,500
significance in the raster remote viewed

352
00:15:14,390 --> 00:15:12,660
rasterized images and especially when we

353
00:15:16,130 --> 00:15:14,400
combine the remote viewing and the PK

354
00:15:17,960 --> 00:15:16,140
images we definitely found strong

355
00:15:22,280 --> 00:15:17,970
significance

356
00:15:24,410 --> 00:15:22,290
four hits in group two the experienced

357
00:15:25,910 --> 00:15:24,420
group this is the professional psychics

358
00:15:29,749 --> 00:15:25,920
professional remote viewers people with

359
00:15:32,119 --> 00:15:29,759
experience with Sai they were primarily

360
00:15:35,480 --> 00:15:32,129
insignificant they didn't really do so

361
00:15:38,480 --> 00:15:35,490
well there was one area of significance

362
00:15:42,050 --> 00:15:38,490
and this is with when we combine them

363
00:15:43,579 --> 00:15:42,060

our be in the pk an analysis significant

364
00:15:45,439 --> 00:15:43,589
results supports our hypothesis that

365
00:15:46,160 --> 00:15:45,449
remote viewing can be done and carried

366
00:15:47,780 --> 00:15:46,170
out by humans

367
00:15:50,540 --> 00:15:47,790
unconsciously producing these images

368
00:15:52,280 --> 00:15:50,550
with RNG data some interesting

369
00:15:54,889 --> 00:15:52,290
observations when you compare the hand

370
00:15:57,319 --> 00:15:54,899
drawn images to the rasterized images a

371
00:15:59,929 --> 00:15:57,329
couple questions pop up was some aspect

372
00:16:02,329 --> 00:15:59,939
of hand drawings inhibiting Sai or where

373
00:16:04,420 --> 00:16:02,339
the subjects conscious minds influencing

374
00:16:07,069 --> 00:16:04,430
the data in some way

375
00:16:09,259 --> 00:16:07,079
well we conclude that analytical overlay

376
00:16:11,179 --> 00:16:09,269
is taking place now real quickly

377
00:16:13,009 --> 00:16:11,189
analytical overlay if the target was a

378
00:16:14,809 --> 00:16:13,019
fork and you analyte to be overlaid when

379
00:16:17,059 --> 00:16:14,819
you start seeing these images your brain

380
00:16:19,249 --> 00:16:17,069
will start to fill in gaps to something

381
00:16:20,809 --> 00:16:19,259
you recognize like here somebody the

382
00:16:22,790 --> 00:16:20,819
target was a fork somebody said oh it's

383
00:16:24,139 --> 00:16:22,800
a paintbrush you can see the similarity

384
00:16:26,660 --> 00:16:24,149
or somebody said oh it's a hand I see

385
00:16:28,340 --> 00:16:26,670
the fingers on the hand so this is

386
00:16:30,170 --> 00:16:28,350
analytical overlay and we believe that

387
00:16:31,790 --> 00:16:30,180
this new process based upon our data can

388
00:16:35,119 --> 00:16:31,800

eliminate this analytical overlay which

389
00:16:40,249 --> 00:16:35,129
is a problem in remote viewing another

390
00:16:41,569 --> 00:16:40,259
big question is where is Sai we we said

391
00:16:43,309 --> 00:16:41,579
this is a sign the judges or it's in the

392
00:16:45,139 --> 00:16:43,319
participants well we had a control group

393
00:16:47,259 --> 00:16:45,149
that we also looked at to try and

394
00:16:49,929 --> 00:16:47,269
determine that here's the control group

395
00:16:53,360 --> 00:16:49,939
it was insignificant in a lot of cases

396
00:16:55,910 --> 00:16:53,370
but there was significant significance

397
00:16:58,549 --> 00:16:55,920
in the remote viewing portion of the

398
00:17:00,949 --> 00:16:58,559
rasterized images so Group one we had

399
00:17:03,499 --> 00:17:00,959
significant psy results group two we had

400
00:17:05,210 --> 00:17:03,509
n significant results and in this

401
00:17:08,299 --> 00:17:05,220
control group there was a significant

402
00:17:10,130 --> 00:17:08,309
sign missing results so he's a site with

403
00:17:11,960 --> 00:17:10,140
judges we don't think so there's a

404
00:17:13,220 --> 00:17:11,970
disparity in this group and I think it

405
00:17:16,399 --> 00:17:13,230
points to the location with side being

406
00:17:18,289 --> 00:17:16,409
what the subjects being tested that

407
00:17:21,710 --> 00:17:18,299
tested that control groups see more I

408
00:17:24,260 --> 00:17:21,720
would like you to meet Seymour Seymour

409
00:17:25,730 --> 00:17:24,270
is a philodendron it was actually

410
00:17:27,350 --> 00:17:25,740
provided to us by Brenda done for

411
00:17:29,330 --> 00:17:27,360
another experiment in plant

412
00:17:31,750 --> 00:17:29,340
consciousness but I had the plant there

413
00:17:36,289 --> 00:17:31,760

so I went ahead and used Seymour

414
00:17:36,940 --> 00:17:36,299
so that was our control group what does

415
00:17:39,169 --> 00:17:36,950
this mean

416
00:17:41,180 --> 00:17:39,179
well maybe Seymour possesses a

417
00:17:43,880 --> 00:17:41,190
consciousness and is producing strongly

418
00:17:46,330 --> 00:17:43,890
significant sign missing results I have

419
00:17:49,190 --> 00:17:46,340
no way of invalidating that possibility

420
00:17:51,169 --> 00:17:49,200
one judge there was one judge that knew

421
00:17:52,340 --> 00:17:51,179
who Seymour was and maybe they

422
00:17:53,870 --> 00:17:52,350
influenced the judging with the

423
00:17:56,840 --> 00:17:53,880
subconscious belief that plants should

424
00:17:58,490 --> 00:17:56,850
exhibits I'm missing I was that judge

425
00:18:02,029 --> 00:17:58,500
that knew that I don't think that

426
00:18:03,919 --> 00:18:02,039
because that's not a belief I hold the

427
00:18:05,600 --> 00:18:03,929
third one see more results point two

428
00:18:09,020 --> 00:18:05,610
sigh not being with the judges but

429
00:18:10,340 --> 00:18:09,030
rather with the the significant patterns

430
00:18:12,830 --> 00:18:10,350
of the subjects and not the judges

431
00:18:14,360 --> 00:18:12,840
themselves so a conclusion

432
00:18:16,640 --> 00:18:14,370
remote viewing can be carried out in

433
00:18:18,860 --> 00:18:16,650
this manner and we think we need to

434
00:18:21,960 --> 00:18:18,870
investigate this further to see how far

435
00:18:33,300 --> 00:18:21,970
we can actually take this thank you

436
00:18:38,280 --> 00:18:35,260
Thank You Erik there's quite a bit of

437
00:18:41,110 --> 00:18:38,290
time to questions because you're early

438
00:18:42,430 --> 00:18:41,120

interesting work Erik why a hundred by

439
00:18:44,680 --> 00:18:42,440
hundred why not two hundred by two

440
00:18:45,910 --> 00:18:44,690
hundred why not 50/50 that image is

441
00:18:47,350 --> 00:18:45,920
completely arbitrary there's a there's

442
00:18:49,450 --> 00:18:47,360
an infinite number of ways that we can

443
00:18:52,570 --> 00:18:49,460
create an image from the data I had to

444
00:18:56,140 --> 00:18:52,580
pick one so I said okay ten by ten so

445
00:18:57,850 --> 00:18:56,150
that's a 100 you know bit there we can

446
00:18:59,620 --> 00:18:57,860
go back and we can start changing that

447
00:19:01,360 --> 00:18:59,630
and see are there other images that pop

448
00:19:03,580 --> 00:19:01,370
up when we go to a large area go to a

449
00:19:04,840 --> 00:19:03,590
circular rasterization there are many

450
00:19:09,180 --> 00:19:04,850
different methods we can use I had to

451
00:19:14,890 --> 00:19:12,550
thank you very much question what were

452
00:19:17,830 --> 00:19:14,900
your instructions to the remote viewers

453
00:19:20,170 --> 00:19:17,840
in terms of what they were expected to

454
00:19:22,240 --> 00:19:20,180
produce in my experience you need

455
00:19:25,120 --> 00:19:22,250
several kinds of remote viewing people

456
00:19:26,530 --> 00:19:25,130
that are more or less automatic in the

457
00:19:29,800 --> 00:19:26,540
handwriting and drawing

458
00:19:31,960 --> 00:19:29,810
others that are more visual so what was

459
00:19:34,030 --> 00:19:31,970
any particular instruction you gave them

460
00:19:35,620 --> 00:19:34,040
as to what they should focus on these

461
00:19:38,740 --> 00:19:35,630
specific instructions when they sat down

462
00:19:40,000 --> 00:19:38,750
I said okay for for the group that had

463
00:19:40,900 --> 00:19:40,010

no experience with remote viewing they'd

464
00:19:42,700 --> 00:19:40,910
never done that they weren't they

465
00:19:44,350 --> 00:19:42,710
weren't aware I said okay there is a

466
00:19:47,170 --> 00:19:44,360
targeted in this car in this envelope

467
00:19:48,940 --> 00:19:47,180
the target is a picture of a location or

468
00:19:51,880 --> 00:19:48,950
an object what I want you to do is sit

469
00:19:53,560 --> 00:19:51,890
down relax and I want you to draw that

470
00:19:56,380 --> 00:19:53,570
image or you can use a descriptive

471
00:19:58,690 --> 00:19:56,390
wording to explain what that image is

472
00:20:00,610 --> 00:19:58,700
what is that object some people most

473
00:20:01,900 --> 00:20:00,620
people did a hand drawing of some sort

474
00:20:03,670 --> 00:20:01,910
but there were a few and one of my

475
00:20:05,800 --> 00:20:03,680
examples showed there was a drawing and

476
00:20:08,680 --> 00:20:05,810
there was words trying to describe what

477
00:20:10,420 --> 00:20:08,690
what they were perceiving so I really

478
00:20:12,730 --> 00:20:10,430
left it up to them there was only a few

479
00:20:16,780 --> 00:20:12,740
people that wanted to verbalize it

480
00:20:19,810 --> 00:20:16,790
instead of writing it down for those

481
00:20:23,140 --> 00:20:19,820
people I I took notes I did not include

482
00:20:24,940 --> 00:20:23,150
that in the the data that I collected

483
00:20:26,740 --> 00:20:24,950
because it was kind of outside the

484
00:20:28,270 --> 00:20:26,750
bounds of how we were doing this but

485
00:20:30,940 --> 00:20:28,280
really I don't care about what they

486
00:20:32,350 --> 00:20:30,950
produced I didn't that part is the data

487
00:20:33,670 --> 00:20:32,360
I don't really care about I cared about

488
00:20:35,650 --> 00:20:33,680

what the random number generator was

489
00:20:36,850 --> 00:20:35,660
producing that's the data I was really

490
00:20:40,379 --> 00:20:36,860
interested and that's where we saw the

491
00:20:45,519 --> 00:20:43,509
it's just a question of a possible

492
00:20:47,320 --> 00:20:45,529
confounding thing and I'm not sure about

493
00:20:49,720 --> 00:20:47,330
this but I just throw it out is that

494
00:20:52,570 --> 00:20:49,730
when you look at these matrices that are

495
00:20:54,310 --> 00:20:52,580
that are created these image images that

496
00:20:56,830 --> 00:20:54,320
there may be more of a tendency to see

497
00:20:59,249 --> 00:20:56,840
one type of pattern than another like

498
00:21:01,659 --> 00:20:59,259
the wavy lines for example just because

499
00:21:02,799 --> 00:21:01,669
it's easier to hedge your bets when

500
00:21:05,860 --> 00:21:02,809
you're looking at those things to say

501
00:21:08,019 --> 00:21:05,870
okay it's wavy than any other I agree

502
00:21:10,869 --> 00:21:08,029
with what you're saying when I didn't

503
00:21:14,080 --> 00:21:10,879
include it in here when I looked at what

504
00:21:15,669 --> 00:21:14,090
the judges thought things were the most

505
00:21:18,759 --> 00:21:15,679
what actually came up the most was cross

506
00:21:21,100 --> 00:21:18,769
what came up second was square I think

507
00:21:23,409 --> 00:21:21,110
that's a byproduct of it being a grid

508
00:21:25,359 --> 00:21:23,419
system it's based upon squares in

509
00:21:26,710 --> 00:21:25,369
straight lines wavy lines actually

510
00:21:30,249 --> 00:21:26,720
didn't come up the most and when it did

511
00:21:31,509 --> 00:21:30,259
it was often a hit so the circle the

512
00:21:35,440 --> 00:21:31,519
circle the wavy lines

513
00:21:36,789 --> 00:21:35,450

they weren't chosen as often so in so

514
00:21:38,409 --> 00:21:36,799
part of that is what you're saying

515
00:21:40,359 --> 00:21:38,419
whereas you know that how are you

516
00:21:41,769 --> 00:21:40,369
creating the image I think that goes a

517
00:21:44,109 --> 00:21:41,779
long way that's how the judgment is

518
00:21:48,009 --> 00:21:44,119
being done so that is future work that

519
00:21:50,769 --> 00:21:48,019
needs to be looked into really

520
00:21:53,409 --> 00:21:50,779
interesting project I just wanted to

521
00:21:56,200 --> 00:21:53,419
bring up in your abstract you had

522
00:21:57,820 --> 00:21:56,210
mentioned being able to mitigate sigh

523
00:22:00,430 --> 00:21:57,830
experimenter effect and I would like to

524
00:22:03,190 --> 00:22:00,440
caution you against that because we

525
00:22:05,320 --> 00:22:03,200
don't know you know SIA is non spatial

526
00:22:07,600 --> 00:22:05,330
and non temporal that no matter what you

527
00:22:09,639 --> 00:22:07,610
do so I can move anywhere and however it

528
00:22:11,440 --> 00:22:09,649
won so you really can't I mean I you

529
00:22:12,789 --> 00:22:11,450
know it's a really interesting project

530
00:22:15,039 --> 00:22:12,799
like just leave it at that

531
00:22:17,139 --> 00:22:15,049
the other thing I would say is you know

532
00:22:18,850 --> 00:22:17,149
those were each square in the grid was

533
00:22:21,549 --> 00:22:18,860
rather large and the dot was rather

534
00:22:24,279 --> 00:22:21,559
small so there was so much white space I

535
00:22:27,609 --> 00:22:24,289
would wonder if you made a bigger dot in

536
00:22:30,430 --> 00:22:27,619
each square would with a picture be more

537
00:22:32,109 --> 00:22:30,440
we would participate the judges that's

538
00:22:33,340 --> 00:22:32,119

one of the things you can do after the

539
00:22:35,109 --> 00:22:33,350
fact as far as you have the images and

540
00:22:39,279 --> 00:22:35,119
they've been they've been created you

541
00:22:41,350 --> 00:22:39,289
can do forms of image rendering which

542
00:22:43,060 --> 00:22:41,360
would fill in lines and start connecting

543
00:22:44,499 --> 00:22:43,070
dots are right next to each other would

544
00:22:47,440 --> 00:22:44,509
connect them and then kind of blend them

545
00:22:49,450 --> 00:22:47,450
and that could be done it wasn't done

546
00:22:51,430 --> 00:22:49,460
primarily for time to get the experiment

547
00:22:52,959 --> 00:22:51,440
finished but that's definitely stuff in

548
00:22:54,639 --> 00:22:52,969
the future that I do want to

549
00:22:56,499 --> 00:22:54,649
and then I would also caution you that

550
00:22:59,680 --> 00:22:56,509
you said you know I don't believe that

551
00:23:01,209 --> 00:22:59,690
I'm believing this but you don't have

552
00:23:04,029 --> 00:23:01,219
any control over what you believe you

553
00:23:05,560 --> 00:23:04,039
believe that's why I cannot eliminate it

554
00:23:13,029 --> 00:23:05,570
I don't think so but I can't eliminate

555
00:23:14,499 --> 00:23:13,039
that possibility Roger okay maybe you

556
00:23:17,949 --> 00:23:14,509
could also do machine

557
00:23:20,109 --> 00:23:17,959
judging by just have pattern wreckless

558
00:23:31,180 --> 00:23:20,119
ed of patterns there that's all the

559
00:23:35,019 --> 00:23:31,190
books to be done yes York along the same

560
00:23:40,449 --> 00:23:35,029
lines of image processing that might

561
00:23:44,069 --> 00:23:40,459
make the the judge's job easier or a

562
00:23:47,409 --> 00:23:44,079
better fit to the human visual system

563
00:23:51,039 --> 00:23:47,419

rather than simply having a majority

564
00:23:54,789 --> 00:23:51,049
vote binary dot suppose you filled in

565
00:23:57,279 --> 00:23:54,799
the raster in boxes in grayscale ranging

566
00:23:59,199 --> 00:23:57,289
from black for the pixel that got the

567
00:24:02,019 --> 00:23:59,209
most hits to white for the one that got

568
00:24:04,329 --> 00:24:02,029
the fewest that's that's a great idea

569
00:24:06,369 --> 00:24:04,339
that's some of the it's another idea

570
00:24:08,709 --> 00:24:06,379
that we talked about we couldn't get

571
00:24:09,519 --> 00:24:08,719
that implemented in code in time to run

572
00:24:11,769 --> 00:24:09,529
it but that's something that could be

573
00:24:22,149 --> 00:24:11,779
done afterwards because we have all the

574
00:24:25,089 --> 00:24:22,159
data stored for these five pet patterns

575
00:24:28,539 --> 00:24:25,099
I know as you know cause like almost

576
00:24:30,729 --> 00:24:28,549
identical to humans but for the judge to

577
00:24:33,909 --> 00:24:30,739
check if the system has a bias have you

578
00:24:36,849 --> 00:24:33,919
see which car had the most hit what kind

579
00:24:39,099 --> 00:24:36,859
of car like is that a wave or a square

580
00:24:41,289 --> 00:24:39,109
had the most hit or they almost the hit

581
00:24:45,039 --> 00:24:41,299
rate had almost equivalent for all the

582
00:24:46,719 --> 00:24:45,049
patterns that's an issue I had with my

583
00:24:50,979 --> 00:24:46,729
data I did look at that specifically at

584
00:24:52,839 --> 00:24:50,989
targets one of the issues and I say they

585
00:24:54,249 --> 00:24:52,849
randomly selected a target out of the

586
00:24:54,909 --> 00:24:54,259
stack of envelopes well is that really

587
00:24:57,879 --> 00:24:54,919
random

588
00:25:00,099 --> 00:24:57,889

I say no based upon the number of

589
00:25:02,280 --> 00:25:00,109
targets three targets kept popping up

590
00:25:05,460 --> 00:25:02,290
the most

591
00:25:06,900 --> 00:25:05,470
in these experiments so much so that it

592
00:25:12,420 --> 00:25:06,910
was significant how often they were

593
00:25:13,560 --> 00:25:12,430
chosen is that a problem yeah in the

594
00:25:15,630 --> 00:25:13,570
future I think we could use a random

595
00:25:17,760 --> 00:25:15,640
number generator to randomly select a

596
00:25:19,350 --> 00:25:17,770
target for them to look at and I think

597
00:25:24,600 --> 00:25:19,360
that would kind of clean up some of that

598
00:25:26,870 --> 00:25:24,610
possible problem thank you very much

599
00:25:31,010 --> 00:25:26,880
Eric