

# AN INTRODUCTION TO **PSIBOTICS**

GARRET MODDEL



**SOCIETY  
FOR  
SCIENTIFIC  
EXPLORATION**

1  
00:00:14,200 --> 00:00:08,770  
thank you this talk is going to be

2  
00:00:16,720 --> 00:00:14,210  
unusual in a couple of ways one is it's

3  
00:00:19,750 --> 00:00:16,730  
unusual for the SSE irva group because

4  
00:00:21,850 --> 00:00:19,760  
I'm proposing a technology and the

5  
00:00:26,409 --> 00:00:21,860  
second reason that it's somewhat unusual

6  
00:00:29,800 --> 00:00:26,419  
is that I'm wearing a tie so I will try

7  
00:00:32,470 --> 00:00:29,810  
to be a little bit formal before we get

8  
00:00:35,410 --> 00:00:32,480  
into the technology let's talk about the

9  
00:00:38,770 --> 00:00:35,420  
definition of psychotics so Saibot --ax

10  
00:00:41,979 --> 00:00:38,780  
is the branch of technology that deals

11  
00:00:45,610 --> 00:00:41,989  
with robots driven by SCI mediated

12  
00:00:50,110 --> 00:00:45,620  
intention so their physical systems

13  
00:00:53,590 --> 00:00:50,120

driven by SCI this definition in the

14

00:00:55,119 --> 00:00:53,600

Oxford English Dictionary is fine except

15

00:00:58,000 --> 00:00:55,129

that it's probably only going to come

16

00:01:01,000 --> 00:00:58,010

out in a few years we invented this word

17

00:01:02,739 --> 00:01:01,010

I was talking with my class on the

18

00:01:04,630 --> 00:01:02,749

science of psychic phenomena this last

19

00:01:07,390 --> 00:01:04,640

semester at the University of Colorado

20

00:01:10,600 --> 00:01:07,400

and described this and one of the

21

00:01:13,090 --> 00:01:10,610

students David Myers suggested the word

22

00:01:16,180 --> 00:01:13,100

cybot expand it's stuck and so that's

23

00:01:19,720 --> 00:01:16,190

what this is so what I'd like to do

24

00:01:23,370 --> 00:01:19,730

today is talk a little bit about the

25

00:01:27,120 --> 00:01:23,380

basis of cybot X what it is how it works

26

00:01:30,250 --> 00:01:27,130

it's based upon psychokinesis and

27

00:01:35,110 --> 00:01:30,260

psychokinesis as you all know involves

28

00:01:38,140 --> 00:01:35,120

the micro manipulator Nice's let me say

29

00:01:42,060 --> 00:01:38,150

involves the manipulation at a quantum

30

00:01:45,580 --> 00:01:42,070

level of randomness using intention and

31

00:01:48,610 --> 00:01:45,590

this can be carried out in a number of

32

00:01:50,260 --> 00:01:48,620

different ways and has been demonstrated

33

00:01:53,260 --> 00:01:50,270

over and over I'm only going to talk

34

00:01:56,740 --> 00:01:53,270

about two ways very briefly one is with

35

00:01:59,460 --> 00:01:56,750

the use of dice and so all sorts of

36

00:02:02,500 --> 00:01:59,470

experiments have been carried out using

37

00:02:07,169 --> 00:02:02,510

the effect of intention on dice throws

38

00:02:10,930 --> 00:02:07,179

and one meta-analysis was carried out in

39

00:02:13,360 --> 00:02:10,940

1991 by Raiden and Ferrari and they

40

00:02:15,520 --> 00:02:13,370

showed that with a hundred and forty

41

00:02:16,770 --> 00:02:15,530

eight studies involving more than two

42

00:02:20,110 --> 00:02:16,780

million dice

43

00:02:22,809 --> 00:02:20,120

the statistics were overwhelming the

44

00:02:24,250 --> 00:02:22,819

z-score was close to 20 so that's a

45

00:02:29,020 --> 00:02:24,260

measure of how many standard deviations

46

00:02:30,190 --> 00:02:29,030

away from nothing you the effect is so

47

00:02:33,210 --> 00:02:30,200

it's a huge effect

48

00:02:36,880 --> 00:02:33,220

the p value corresponds to far less than

49

00:02:38,559 --> 00:02:36,890

point zero zero one and so it's it's

50

00:02:41,250 --> 00:02:38,569

infinitesimal the odds against chance

51  
00:02:45,039 --> 00:02:41,260  
are huge that this is a real effect

52  
00:02:47,410 --> 00:02:45,049  
another example involving psychokinesis

53  
00:02:51,100 --> 00:02:47,420  
involves using electronic random number

54  
00:02:54,550 --> 00:02:51,110  
generators so these were developed for

55  
00:02:57,309 --> 00:02:54,560  
size phenomena in the 70s and 80s by

56  
00:02:59,500 --> 00:02:57,319  
Helmut Schmidt and the original random

57  
00:03:02,710 --> 00:02:59,510  
number generators involved atomic decay

58  
00:03:05,319 --> 00:03:02,720  
and this produced then a randomness

59  
00:03:07,830 --> 00:03:05,329  
which was translated into zeros and ones

60  
00:03:12,729 --> 00:03:07,840  
so bits which were randomly distributed

61  
00:03:15,580 --> 00:03:12,739  
the biggest study of these electronic

62  
00:03:17,979 --> 00:03:15,590  
random number generators and how they

63  
00:03:20,620 --> 00:03:17,989

can be manipulated was carried out in

64

00:03:22,300 --> 00:03:20,630

the pair lab directed by Bob John as

65

00:03:28,449 --> 00:03:22,310

described by York a little bit earlier

66

00:03:30,640 --> 00:03:28,459

and they published in 1997 the results

67

00:03:33,580 --> 00:03:30,650

of a thousand experimental series

68

00:03:37,840 --> 00:03:33,590

carried out over 12 years in which they

69

00:03:41,020 --> 00:03:37,850

got huge odds against chance  $P$  on the

70

00:03:44,400 --> 00:03:41,030

order of  $10$  to the minus  $13$  the plot

71

00:03:48,099 --> 00:03:44,410

that I'm showing here is a plot of the

72

00:03:52,660 --> 00:03:48,109

on the on the vertical axis it shows how

73

00:03:55,539 --> 00:03:52,670

many bits you deviate from chance from

74

00:03:58,680 --> 00:03:55,549

randomness and the horizontal axis is in

75

00:04:02,379 --> 00:03:58,690

thousands of trials and so when the

76

00:04:04,300 --> 00:04:02,389

operators aimed high they ended up going

77

00:04:06,940 --> 00:04:04,310

towards the high level at the high line

78

00:04:08,740 --> 00:04:06,950

when the operators aimed low they went

79

00:04:10,870 --> 00:04:08,750

towards the low line and then the base

80

00:04:15,940 --> 00:04:10,880

line was somewhere in between so this is

81

00:04:19,259 --> 00:04:15,950

another example of psychokinesis

82

00:04:22,690 --> 00:04:19,269

so all right we've got these

83

00:04:24,540 --> 00:04:22,700

psychokinesis effects we're proposing a

84

00:04:28,219 --> 00:04:24,550

technology to

85

00:04:30,749 --> 00:04:28,229

use them to make some sort of

86

00:04:34,020 --> 00:04:30,759

instruments some robots that can be used

87

00:04:36,960 --> 00:04:34,030

physical systems so the question is when

88

00:04:40,050 --> 00:04:36,970

can we do this when when will we be able

89

00:04:42,089 --> 00:04:40,060

to know that this actually works the

90

00:04:44,369 --> 00:04:42,099

answer perhaps surprisingly is that it

91

00:04:46,439 --> 00:04:44,379

already exists that there already are

92

00:04:49,830 --> 00:04:46,449

quite a few cybot existence that have

93

00:04:52,529 --> 00:04:49,840

been demonstrated so for most of this

94

00:04:55,170 --> 00:04:52,539

talk what I'd like to do is describe to

95

00:04:57,689 --> 00:04:55,180

you what those cybot exist UM's are how

96

00:05:00,029 --> 00:04:57,699

they work and then at the end we can

97

00:05:03,240 --> 00:05:00,039

together perhaps discuss how we might

98

00:05:06,870 --> 00:05:03,250

make new cybot existence for practical

99

00:05:13,189 --> 00:05:06,880

applications before I do that I want to

100

00:05:18,510 --> 00:05:13,199

make a distinction between cybot X and

101  
00:05:21,420 --> 00:05:18,520  
another system and that is using brain

102  
00:05:27,420 --> 00:05:21,430  
waves so we are not here using brain

103  
00:05:30,629 --> 00:05:27,430  
waves to to detect systems instead we

104  
00:05:32,730 --> 00:05:30,639  
are actually using Sai to detect systems

105  
00:05:37,339 --> 00:05:32,740  
so that's shown in in this slide here

106  
00:05:40,850 --> 00:05:37,349  
you can buy for example at a game store

107  
00:05:44,219 --> 00:05:40,860  
mindflex games in which you use your

108  
00:05:46,320 --> 00:05:44,229  
mind to control a board a ball on a game

109  
00:05:48,390 --> 00:05:46,330  
on a board that's not what we're doing

110  
00:05:51,330 --> 00:05:48,400  
here we're using a different medium

111  
00:05:55,290 --> 00:05:51,340  
altogether so there were some early

112  
00:05:59,059 --> 00:05:55,300  
cybot examples one was called the TAC

113  
00:06:02,519 --> 00:05:59,069

Tyco scope and this was published in

114

00:06:04,999 --> 00:06:02,529

1986 the basic idea here is it's a

115

00:06:07,350 --> 00:06:05,009

little motor driven robot run by

116

00:06:10,409 --> 00:06:07,360

directed by an electronic random number

117

00:06:12,839 --> 00:06:10,419

generator with a pen in it and as the

118

00:06:15,059 --> 00:06:12,849

thing moved around the pen drew on the

119

00:06:19,230 --> 00:06:15,069

paper and they showed statistically

120

00:06:21,180 --> 00:06:19,240

significant effects in 1995 a paper was

121

00:06:23,070 --> 00:06:21,190

published on the psychokinetic action of

122

00:06:25,890 --> 00:06:23,080

young chicks on the path of an

123

00:06:28,830 --> 00:06:25,900

illuminated source that's just shown in

124

00:06:32,939 --> 00:06:28,840

the picture here little chicks were put

125

00:06:35,890 --> 00:06:32,949

into a cage and they were then put into

126

00:06:37,240 --> 00:06:35,900

a darkened room with a little robot

127

00:06:42,909 --> 00:06:37,250

robot was a random number generator

128

00:06:45,249 --> 00:06:42,919

driven robot with a candle in it and the

129

00:06:48,189 --> 00:06:45,259

chicks wanted the warmth and the light

130

00:06:51,430 --> 00:06:48,199

of from the candle presumably and they

131

00:06:55,029 --> 00:06:51,440

were statistically significantly able to

132

00:06:58,960 --> 00:06:55,039

direct the machine to move towards them

133

00:07:00,969 --> 00:06:58,970

in 1986 there was some work done using a

134

00:07:04,360 --> 00:07:00,979

six axis random number generator

135

00:07:06,879 --> 00:07:04,370

computer-controlled robotic arm and hand

136

00:07:09,909 --> 00:07:06,889

that particular study showed no

137

00:07:12,310 --> 00:07:09,919

statistically significant results okay

138

00:07:13,750 --> 00:07:12,320

so now let's get on to some examples

139

00:07:15,760 --> 00:07:13,760

that I'm going to describe in some more

140

00:07:19,180 --> 00:07:15,770

detail and these are more current

141

00:07:22,330 --> 00:07:19,190

examples one was carried out at the pear

142

00:07:25,180 --> 00:07:22,340

lab and published in 2007 and this was

143

00:07:28,120 --> 00:07:25,190

the response of a random event generator

144

00:07:31,180 --> 00:07:28,130

an R eg driven robot to operate her

145

00:07:33,760 --> 00:07:31,190

intention by the way an R eg and an r ng

146

00:07:35,950 --> 00:07:33,770

are the same thing the pear lab called

147

00:07:38,589 --> 00:07:35,960

these random event generators rather

148

00:07:43,080 --> 00:07:38,599

than random number generators the basic

149

00:07:47,350 --> 00:07:43,090

idea is having again a little RNG driven

150

00:07:49,750 --> 00:07:47,360

random robot and the direction that the

151  
00:07:52,620 --> 00:07:49,760  
robot moved was determined by the output

152  
00:07:55,570 --> 00:07:52,630  
of the random number generator an

153  
00:07:58,719 --> 00:07:55,580  
operator sat on the side as shown in the

154  
00:08:02,140 --> 00:07:58,729  
picture and looked down at this little

155  
00:08:05,140 --> 00:08:02,150  
robot with a frog pasted it to the top

156  
00:08:07,930 --> 00:08:05,150  
of it and the Frog started in the middle

157  
00:08:09,760 --> 00:08:07,940  
and the rent of the operator using

158  
00:08:12,310 --> 00:08:09,770  
intention tried to get the frog to move

159  
00:08:14,830 --> 00:08:12,320  
towards him or her and you can see in

160  
00:08:18,129 --> 00:08:14,840  
this chart on the bottom right that in

161  
00:08:20,469 --> 00:08:18,139  
fact once if the Frog starts in the

162  
00:08:23,409 --> 00:08:20,479  
middle it wanders around a bit but

163  
00:08:26,170 --> 00:08:23,419

eventually it might move towards the the

164

00:08:27,550 --> 00:08:26,180

operator and various studies were

165

00:08:30,010 --> 00:08:27,560

carried out and statistically

166

00:08:31,330 --> 00:08:30,020

significant results were obtained it may

167

00:08:35,050 --> 00:08:31,340

not be the best way to get a robot

168

00:08:37,540 --> 00:08:35,060

towards you but it works another example

169

00:08:39,040 --> 00:08:37,550

is the Sylar on mind lamp so Sylar on is

170

00:08:42,370 --> 00:08:39,050

a company formed out of pear Lab

171

00:08:45,510 --> 00:08:42,380

technology and they built a number of

172

00:08:48,810 --> 00:08:45,520

instruments for using in

173

00:08:51,090 --> 00:08:48,820

and one of them involves having an

174

00:08:54,030 --> 00:08:51,100

electronic random number generator that

175

00:08:57,180 --> 00:08:54,040

determines the color of a lamp these are

176

00:08:59,160 --> 00:08:57,190

it has multiple LEDs in it I have one of

177

00:09:02,160 --> 00:08:59,170

these in my office and it's a lot of fun

178

00:09:03,900 --> 00:09:02,170

to play with after a fair bit of

179

00:09:05,880 --> 00:09:03,910

practice we've developed a technique to

180

00:09:07,740 --> 00:09:05,890

pretty reliably get the color that we

181

00:09:10,080 --> 00:09:07,750

want and you can imagine my kids

182

00:09:11,670 --> 00:09:10,090

whenever they visit before they come

183

00:09:14,040 --> 00:09:11,680

into the office they compete with each

184

00:09:18,140 --> 00:09:14,050

other to decide what color it's going to

185

00:09:21,150 --> 00:09:18,150

be this time and they're often right

186

00:09:24,690 --> 00:09:21,160

alright so now I want to get on to a

187

00:09:26,670 --> 00:09:24,700

fairly controversial cybot existen and

188

00:09:29,370 --> 00:09:26,680

I'm going to argue that this is in fact

189

00:09:31,320 --> 00:09:29,380

a Saibot exist 'm and that is the

190

00:09:32,970 --> 00:09:31,330

global consciousness project you're

191

00:09:35,720 --> 00:09:32,980

probably all familiar with it it

192

00:09:38,100 --> 00:09:35,730

consists of random number generators

193

00:09:41,700 --> 00:09:38,110

distributed around the world this

194

00:09:44,460 --> 00:09:41,710

madness shows a map with the locations

195

00:09:49,650 --> 00:09:44,470

of these random number generators called

196

00:09:51,960 --> 00:09:49,660

eggs and these eggs send the data to a

197

00:09:54,690 --> 00:09:51,970

lab in Princeton which collects the data

198

00:09:57,210 --> 00:09:54,700

and looks for some sort of a coherence

199

00:10:01,740 --> 00:09:57,220

in the data for deviation from

200

00:10:04,860 --> 00:10:01,750

randomness among the various egg samples

201  
00:10:08,040 --> 00:10:04,870  
that are being sent a egg egg the data

202  
00:10:10,740 --> 00:10:08,050  
from the various eggs and this has been

203  
00:10:15,950 --> 00:10:10,750  
carried out over many years the data is

204  
00:10:20,490 --> 00:10:15,960  
very robust and a number of startling

205  
00:10:23,400 --> 00:10:20,500  
successes have been shown here is our

206  
00:10:28,080 --> 00:10:23,410  
three examples on the top left I show

207  
00:10:31,740 --> 00:10:28,090  
the 911 terrorist bombing the blue line

208  
00:10:33,930 --> 00:10:31,750  
shows a statistically significant result

209  
00:10:36,810 --> 00:10:33,940  
and what it would be the red line shows

210  
00:10:39,090 --> 00:10:36,820  
the actual data from the global

211  
00:10:43,880 --> 00:10:39,100  
consciousness project and this is as a

212  
00:10:53,150 --> 00:10:43,890  
function of time in this case days and

213  
00:10:57,440 --> 00:10:53,160

or was this hours and the red line shows

214

00:11:03,830 --> 00:10:57,450

that in the time before the

215

00:11:07,330 --> 00:11:03,840

or around the 911 bombing the data

216

00:11:10,060 --> 00:11:07,340

deviated statistically significantly

217

00:11:14,510 --> 00:11:10,070

another example is on the top right

218

00:11:18,640 --> 00:11:14,520

where Obama wins the nomination in June

219

00:11:22,870 --> 00:11:18,650

3rd 2008 and once again around the time

220

00:11:26,330 --> 00:11:22,880

in this case plotted in hours of the

221

00:11:29,870 --> 00:11:26,340

nomination there was a significant

222

00:11:33,980 --> 00:11:29,880

deviation from randomness among the eggs

223

00:11:36,020 --> 00:11:33,990

and the data showed yes there was

224

00:11:38,900 --> 00:11:36,030

something this has been carried out

225

00:11:41,060 --> 00:11:38,910

through today at the bottom there's a

226

00:11:44,960 --> 00:11:41,070

more recent example the women's march on

227

00:11:46,520 --> 00:11:44,970

Washington in January 21st 2017 which

228

00:11:50,450 --> 00:11:46,530

was a significant event in the United

229

00:11:54,430 --> 00:11:50,460

States and around that period of time

230

00:11:57,830 --> 00:11:54,440

once again the random number generator

231

00:12:01,090 --> 00:11:57,840

results from around the world showed a

232

00:12:03,620 --> 00:12:01,100

significant deviation from randomness

233

00:12:06,260 --> 00:12:03,630

I'm not getting going to get into the

234

00:12:08,540 --> 00:12:06,270

details on all of this the data is

235

00:12:13,850 --> 00:12:08,550

robust it's available for anybody to

236

00:12:15,620 --> 00:12:13,860

look at the and it's it's I'm not going

237

00:12:17,660 --> 00:12:15,630

to argue with the quality about it it's

238

00:12:19,940 --> 00:12:17,670

very it's a very high quality experiment

239

00:12:22,520 --> 00:12:19,950

however there are some issues with it

240

00:12:26,330 --> 00:12:22,530

and in fact there have been some fairly

241

00:12:29,030 --> 00:12:26,340

strong arguments that in this is not a

242

00:12:33,110 --> 00:12:29,040

global consciousness effect but rather

243

00:12:35,750 --> 00:12:33,120

it's something very different in 2009

244

00:12:37,640 --> 00:12:35,760

Helmut Schmidt wrote a letter to the

245

00:12:39,650 --> 00:12:37,650

Journal of scientific exploration and

246

00:12:41,570 --> 00:12:39,660

this is the same Helmut Schmidt who

247

00:12:44,780 --> 00:12:41,580

developed the electronic random number

248

00:12:46,970 --> 00:12:44,790

generator for psy experiments and he

249

00:12:48,950 --> 00:12:46,980

said that the way that the outputs of

250

00:12:50,540 --> 00:12:48,960

these random number generators from

251  
00:12:54,230 --> 00:12:50,550  
around the world are combined is

252  
00:12:57,050 --> 00:12:54,240  
arbitrary that in fact one might change

253  
00:12:59,240 --> 00:12:57,060  
the phase or the way that they're added

254  
00:13:01,820 --> 00:12:59,250  
or subtracted together and that

255  
00:13:03,830 --> 00:13:01,830  
therefore the fact that you get some

256  
00:13:06,380 --> 00:13:03,840  
sort of a statistically significant

257  
00:13:08,290 --> 00:13:06,390  
effect must be due to something besides

258  
00:13:09,880 --> 00:13:08,300  
the

259  
00:13:12,410 --> 00:13:09,890  
[Music]

260  
00:13:15,560 --> 00:13:12,420  
harmony or harmonization of different

261  
00:13:18,440 --> 00:13:15,570  
intentions around the world he said it's

262  
00:13:20,900 --> 00:13:18,450  
a classical goal-oriented effect and

263  
00:13:22,730 --> 00:13:20,910

that the person who's directing the

264

00:13:26,540 --> 00:13:22,740

elect the global consciousness project

265

00:13:28,580 --> 00:13:26,550

Roger Nelson is due to his intention so

266

00:13:31,460 --> 00:13:28,590

this is a typical experimenter effect

267

00:13:33,650 --> 00:13:31,470

according to Helmut Schmidt's letter and

268

00:13:35,780 --> 00:13:33,660

there was argument back and forth again

269

00:13:39,890 --> 00:13:35,790

I'm not going to go into detail on what

270

00:13:42,860 --> 00:13:39,900

on the specific arguments another case

271

00:13:45,320 --> 00:13:42,870

occurred with Peter Mansell so Peter

272

00:13:46,940 --> 00:13:45,330

Mansell was a collaborator of Roger

273

00:13:48,620 --> 00:13:46,950

Nelson's for a number of years in

274

00:13:50,870 --> 00:13:48,630

helping with the statistics and so on

275

00:13:52,390 --> 00:13:50,880

and in the last couple of years he's

276

00:13:56,570 --> 00:13:52,400

come out with a couple of publications

277

00:14:03,440 --> 00:13:56,580

highly critical of the logic behind it

278

00:14:07,220 --> 00:14:03,450

and in in order I'll go through what it

279

00:14:08,660 --> 00:14:07,230

was he said in in short form so the way

280

00:14:11,420 --> 00:14:08,670

these electronic random number

281

00:14:13,970 --> 00:14:11,430

generators work is they produce the

282

00:14:17,930 --> 00:14:13,980

source which may be an electronic source

283

00:14:20,900 --> 00:14:17,940

consisting of reverse-biased transistors

284

00:14:24,079 --> 00:14:20,910

or something produce blips at random

285

00:14:26,090 --> 00:14:24,089

times but in order to make sure that the

286

00:14:28,760 --> 00:14:26,100

output is balanced that you get an equal

287

00:14:31,630 --> 00:14:28,770

number of zeros and ones typically this

288

00:14:34,520 --> 00:14:31,640

output is X Ord so that's a logical

289

00:14:37,880 --> 00:14:34,530

process a logical gate in which you mix

290

00:14:41,150 --> 00:14:37,890

the signal with the output of a square

291

00:14:43,940 --> 00:14:41,160

wave generator and that produces an

292

00:14:46,910 --> 00:14:43,950

equal number of zeros and ones but the

293

00:14:49,329 --> 00:14:46,920

point here is that the product is no

294

00:14:51,260 --> 00:14:49,339

longer the pure randomness of the source

295

00:14:53,510 --> 00:14:51,270

instead the product is now a

296

00:14:56,510 --> 00:14:53,520

manufactured product it's a manipulated

297

00:14:58,220 --> 00:14:56,520

product and so Peter said there's

298

00:15:00,560 --> 00:14:58,230

something wrong here it's it's it's

299

00:15:02,450 --> 00:15:00,570

being manipulated we're not getting pure

300

00:15:05,030 --> 00:15:02,460

randomness so there's got to be some

301  
00:15:08,270 --> 00:15:05,040  
intention involved in in how this is

302  
00:15:10,760 --> 00:15:08,280  
working out another issue he raised had

303  
00:15:13,400 --> 00:15:10,770  
to do with synchronization there's a

304  
00:15:15,170 --> 00:15:13,410  
time stamp for each of these data

305  
00:15:18,680 --> 00:15:15,180  
streams that comes from around the world

306  
00:15:21,410 --> 00:15:18,690  
and Peter said the time stamp doesn't

307  
00:15:23,269 --> 00:15:21,420  
have sufficient resolution to give you

308  
00:15:26,569 --> 00:15:23,279  
the sort of coherence effects

309  
00:15:29,210 --> 00:15:26,579  
that you observe so the point then is

310  
00:15:30,980 --> 00:15:29,220  
what is happening is it global

311  
00:15:32,689 --> 00:15:30,990  
consciousness well there are some

312  
00:15:35,030 --> 00:15:32,699  
contradictions to whether it's global

313  
00:15:37,550 --> 00:15:35,040

consciousness is it an experimenter

314

00:15:39,530 --> 00:15:37,560

effect in which Roger Nelson is

315

00:15:41,509 --> 00:15:39,540

completely driving this thing that's

316

00:15:44,090 --> 00:15:41,519

been the argument I would argue

317

00:15:47,210 --> 00:15:44,100

something different and my argument is

318

00:15:50,269 --> 00:15:47,220

that it's both that it is in fact global

319

00:15:53,509 --> 00:15:50,279

consciousness but the system is mentally

320

00:15:56,989 --> 00:15:53,519

programmed by Roger Nelson and that's

321

00:16:00,290 --> 00:15:56,999

classic saibot --ax hard to say classic

322

00:16:02,389 --> 00:16:00,300

since we just invented it but it's

323

00:16:04,939 --> 00:16:02,399

classic cybot axilla sense that it's a

324

00:16:08,269 --> 00:16:04,949

mixture of a physical system with a

325

00:16:10,489 --> 00:16:08,279

random source and experimenter intention

326

00:16:12,980 --> 00:16:10,499

or user intention and so this

327

00:16:15,860 --> 00:16:12,990

combination is what gives you sigh

328

00:16:19,460 --> 00:16:15,870

bollocks ok let's go on to another

329

00:16:21,079 --> 00:16:19,470

example in 2006 I was minding my own

330

00:16:23,809 --> 00:16:21,089

business in my office and I was

331

00:16:26,809 --> 00:16:23,819

contacted by a person who had been

332

00:16:29,869 --> 00:16:26,819

selling some instruments for detection

333

00:16:32,119 --> 00:16:29,879

of contraband in Singapore and in Korea

334

00:16:34,460 --> 00:16:32,129

and he wanted to sell them in the United

335

00:16:36,829 --> 00:16:34,470

States to the military but he needed to

336

00:16:39,079 --> 00:16:36,839

know the mechanism of action in order to

337

00:16:40,850 --> 00:16:39,089

sell it to the military so he came to me

338

00:16:43,129 --> 00:16:40,860

I'm in in the engineering school at the

339

00:16:44,509 --> 00:16:43,139

University of Colorado and he said ok

340

00:16:47,509 --> 00:16:44,519

just figure out how this works so we

341

00:16:49,990 --> 00:16:47,519

know how we can tell the military and I

342

00:16:54,829 --> 00:16:50,000

show you here the thing it consists of a

343

00:16:58,069 --> 00:16:54,839

hand-holder with a a antenna pivot that

344

00:17:00,079 --> 00:16:58,079

pivots around connected by a BNC cable

345

00:17:02,210 --> 00:17:00,089

to a box that contains the essence of

346

00:17:07,340 --> 00:17:02,220

the substance to be looked at and he

347

00:17:12,110 --> 00:17:07,350

includes ivory or THC or explosives and

348

00:17:14,960 --> 00:17:12,120

so on and the thing works I used it I

349

00:17:17,120 --> 00:17:14,970

found things in my house I techie

350

00:17:19,909 --> 00:17:17,130

trained a technician in my lab who got

351  
00:17:22,130 --> 00:17:19,919  
to be quite good at using this thing and

352  
00:17:25,850 --> 00:17:22,140  
it worked quite well you can see me

353  
00:17:27,860 --> 00:17:25,860  
standing there below holding it but I

354  
00:17:29,480 --> 00:17:27,870  
looked at this for about one minute and

355  
00:17:31,610 --> 00:17:29,490  
I realized this is not an

356  
00:17:33,680 --> 00:17:31,620  
electromagnetic wave detector as he

357  
00:17:36,230 --> 00:17:33,690  
thought it was and I said go home and

358  
00:17:38,180 --> 00:17:36,240  
try it with a non-conducting antenna

359  
00:17:40,760 --> 00:17:38,190  
it'll work just as well and so that

360  
00:17:42,440 --> 00:17:40,770  
evening he tried it with a plexiglass

361  
00:17:46,610 --> 00:17:42,450  
antenna and he said it worked just as

362  
00:17:49,130 --> 00:17:46,620  
well and was very surprised so he had a

363  
00:17:52,240 --> 00:17:49,140

very well worked out process for this

364

00:17:56,720 --> 00:17:52,250

and how to make it work we designed a

365

00:17:58,310 --> 00:17:56,730

strongly a triple blinded study to check

366

00:18:01,460 --> 00:17:58,320

the effect and make sure that it worked

367

00:18:05,330 --> 00:18:01,470

and carried it out in a field in in

368

00:18:08,150 --> 00:18:05,340

Boulder Colorado and he was the person

369

00:18:10,430 --> 00:18:08,160

operating the system it failed

370

00:18:13,970 --> 00:18:10,440

not only did he not was he not able to

371

00:18:16,940 --> 00:18:13,980

find the objects that were hidden but he

372

00:18:21,350 --> 00:18:16,950

he statistically significantly missed

373

00:18:23,690 --> 00:18:21,360

them and got the wrong locations and he

374

00:18:27,140 --> 00:18:23,700

was absolutely devastated by this effect

375

00:18:29,710 --> 00:18:27,150

and he went back home and I never heard

376

00:18:33,230 --> 00:18:29,720

from him again he stopped selling these

377

00:18:35,990 --> 00:18:33,240

so that was fine and dandy that was 2006

378

00:18:38,630 --> 00:18:36,000

then in 2009 I was reading the New York

379

00:18:41,419 --> 00:18:38,640

Times and saw an article that says Iraq

380

00:18:43,460 --> 00:18:41,429

swears by bomb detector USC's is useless

381

00:18:47,150 --> 00:18:43,470

and I looked at the picture and said hmm

382

00:18:49,940 --> 00:18:47,160

I know that thing and it turns out it

383

00:18:54,620 --> 00:18:49,950

was the same thing this was being built

384

00:18:57,020 --> 00:18:54,630

by a guy in the UK James McCormick as a

385

00:18:59,299 --> 00:18:57,030

bomb detection device he was selling

386

00:19:01,700 --> 00:18:59,309

them for between 15 and 60 thousand

387

00:19:03,910 --> 00:19:01,710

dollars each which is about a thousand

388

00:19:06,470 --> 00:19:03,920

times more than it costs to build and

389

00:19:08,090 --> 00:19:06,480

the Iraqis were using it and getting

390

00:19:10,340 --> 00:19:08,100

quite good results with it they were

391

00:19:12,140 --> 00:19:10,350

quite happy with it but then the US

392

00:19:15,680 --> 00:19:12,150

military came in and said this cannot

393

00:19:17,960 --> 00:19:15,690

work and that was terrible the Iraqi

394

00:19:22,090 --> 00:19:17,970

government spent 52 million pounds

395

00:19:26,049 --> 00:19:22,100

buying these things a few years later

396

00:19:29,030 --> 00:19:26,059

2013 I got I was contacted by the UK

397

00:19:31,010 --> 00:19:29,040

police department they had arrested

398

00:19:32,390 --> 00:19:31,020

James McCormick and we're making a case

399

00:19:35,060 --> 00:19:32,400

against him and I'd heard that I'd

400

00:19:37,910 --> 00:19:35,070

tested it and wanted me to make a

401

00:19:41,690 --> 00:19:37,920

deposition I was a little bit hesitant

402

00:19:44,450 --> 00:19:41,700

to to them to do so because I know that

403

00:19:48,280 --> 00:19:44,460

this sort of dowsing apparatus does work

404

00:19:50,159 --> 00:19:48,290

but under Sony specific conditions and

405

00:19:52,409 --> 00:19:50,169

so I gave them the minimum

406

00:19:54,690 --> 00:19:52,419

amount of information I needed to then a

407

00:19:56,580 --> 00:19:54,700

few weeks later I got I was contacted by

408

00:19:58,769 --> 00:19:56,590

the solicitor for the defense who asked

409

00:20:01,590 --> 00:19:58,779

the same questions and I gave him the

410

00:20:06,570 --> 00:20:01,600

same sort of information and a little

411

00:20:08,999 --> 00:20:06,580

bit later here's an article in CNN maker

412

00:20:12,299 --> 00:20:09,009

a fake bomb detector gets 10 years in

413

00:20:13,409 --> 00:20:12,309

prison and investigators say that it put

414

00:20:18,269 --> 00:20:13,419

lives at risk

415

00:20:21,269 --> 00:20:18,279

so a sad end to this story this is a

416

00:20:26,430 --> 00:20:21,279

psychotic system and it worked very well

417

00:20:30,330 --> 00:20:26,440

when it worked all right let's go on and

418

00:20:32,039 --> 00:20:30,340

go to another example this example is

419

00:20:35,369 --> 00:20:32,049

something we built in our lab and it was

420

00:20:38,239 --> 00:20:35,379

inspired by an experiment by

421

00:20:41,460 --> 00:20:38,249

Spottiswoode in May carried out in 2003

422

00:20:45,419 --> 00:20:41,470

so Spottiswoode in May had a poor

423

00:20:48,060 --> 00:20:45,429

subject who was sitting next to an

424

00:20:50,999 --> 00:20:48,070

electronic horn that at random times

425

00:20:53,639 --> 00:20:51,009

would blast in their ear then the

426

00:20:55,979 --> 00:20:53,649

subject was wired up with various things

427

00:20:57,810 --> 00:20:55,989

including a galvanic skin response that

428

00:21:00,149 --> 00:20:57,820

measured the conductivity of their skin

429

00:21:04,109 --> 00:21:00,159

the conductivity of the skin is a very

430

00:21:06,389 --> 00:21:04,119

good measure of emotional response and

431

00:21:08,039 --> 00:21:06,399

as you can imagine when the horn went

432

00:21:11,399 --> 00:21:08,049

off their emotional response went

433

00:21:12,840 --> 00:21:11,409

haywire however looking very closely at

434

00:21:15,269 --> 00:21:12,850

the data something interesting was

435

00:21:19,019 --> 00:21:15,279

happening this is a plot from their

436

00:21:21,840 --> 00:21:19,029

paper in 2003 in which they show on the

437

00:21:24,090 --> 00:21:21,850

vertical axis the conductivity of the

438

00:21:27,119 --> 00:21:24,100

skin and on the horizontal axis the time

439

00:21:30,210 --> 00:21:27,129

the t equals zero is when the horn went

440

00:21:32,700 --> 00:21:30,220

off the response started a couple of

441

00:21:35,279 --> 00:21:32,710

seconds before this randomly timed horn

442

00:21:37,830 --> 00:21:35,289

went off and that was it was a pretty

443

00:21:39,960 --> 00:21:37,840

robust result it had been replicated

444

00:21:41,700 --> 00:21:39,970

many times there's some controversy in

445

00:21:43,889 --> 00:21:41,710

its interpretation again I'm not going

446

00:21:45,389 --> 00:21:43,899

to go into the details on that but the

447

00:21:49,529 --> 00:21:45,399

fact is it worked

448

00:21:52,249 --> 00:21:49,539

so I thought damn why can't we build

449

00:21:55,440 --> 00:21:52,259

this sort of a system without these

450

00:21:57,899 --> 00:21:55,450

sentient bags of salt water if we could

451  
00:21:59,879 --> 00:21:57,909  
do it instead and not have human beings

452  
00:22:02,009 --> 00:21:59,889  
but instead just make it out of

453  
00:22:03,460 --> 00:22:02,019  
instruments wouldn't that be cool then

454  
00:22:07,210 --> 00:22:03,470  
we could do SCI

455  
00:22:09,730 --> 00:22:07,220  
more reproducibly and and show how

456  
00:22:12,700 --> 00:22:09,740  
interesting it is to work so I came up

457  
00:22:14,860 --> 00:22:12,710  
with a following system to do it it

458  
00:22:16,360 --> 00:22:14,870  
involves two electronic random number

459  
00:22:19,630 --> 00:22:16,370  
generator so I'm going to call this the

460  
00:22:22,240 --> 00:22:19,640  
dual RNG system the one on the right is

461  
00:22:24,730 --> 00:22:22,250  
the subject random number generator and

462  
00:22:27,279 --> 00:22:24,740  
this subject random number generator is

463  
00:22:31,270 --> 00:22:27,289

spewing bits out to a central computer

464

00:22:35,289 --> 00:22:31,280

and the computer is recording it then at

465

00:22:37,810 --> 00:22:35,299

a random time the controlling RNG which

466

00:22:40,180 --> 00:22:37,820

is the one shown at the far left shuts

467

00:22:43,510 --> 00:22:40,190

off the subject random number generator

468

00:22:45,460 --> 00:22:43,520

and the idea was to see could the

469

00:22:48,549 --> 00:22:45,470

subject random number generator

470

00:22:51,430 --> 00:22:48,559

anticipate its own demise would the bits

471

00:22:54,490 --> 00:22:51,440

that were being sent to the central

472

00:22:56,649 --> 00:22:54,500

computer show some sort of a deviation a

473

00:22:59,830 --> 00:22:56,659

little bit of time before the subject

474

00:23:02,350 --> 00:22:59,840

was shut off so I commissioned Adam

475

00:23:04,180 --> 00:23:02,360

curry at Sylar on to build this thing

476  
00:23:07,149 --> 00:23:04,190  
and he did some nice work and built a

477  
00:23:09,940 --> 00:23:07,159  
system then a grad student of mine at

478  
00:23:12,570 --> 00:23:09,950  
the time James Zhu who is a very good

479  
00:23:14,919 --> 00:23:12,580  
grad student and very very reliable

480  
00:23:16,930 --> 00:23:14,929  
developed the software for this system

481  
00:23:19,270 --> 00:23:16,940  
with all sorts of controls and time

482  
00:23:20,649 --> 00:23:19,280  
stamps and so on to make sure that it

483  
00:23:24,159 --> 00:23:20,659  
was working the way that we thought it

484  
00:23:26,070 --> 00:23:24,169  
was working finally we got to the day

485  
00:23:29,470 --> 00:23:26,080  
where it was going to be operating and

486  
00:23:32,230 --> 00:23:29,480  
so he turned it on and he did a few

487  
00:23:35,440 --> 00:23:32,240  
hundred trials they seemed positive did

488  
00:23:38,380 --> 00:23:35,450

a few hundred more and so on so at that

489

00:23:40,840 --> 00:23:38,390

beginning time he did seventeen hundred

490

00:23:43,180 --> 00:23:40,850

and thirty test trials and seven hundred

491

00:23:46,180 --> 00:23:43,190

and thirty control trials so this is a

492

00:23:50,140 --> 00:23:46,190

plot showing the results you can see

493

00:23:52,630 --> 00:23:50,150

that the blue line hovers around point

494

00:23:57,130 --> 00:23:52,640

five which means half ones and half

495

00:23:59,950 --> 00:23:57,140

zeroes and the the obsessive the

496

00:24:02,740 --> 00:23:59,960

horizontal axis is a time before shut

497

00:24:05,770 --> 00:24:02,750

off shut off occurs at the right a T

498

00:24:10,960 --> 00:24:05,780

equals zero on the right and the test

499

00:24:13,960 --> 00:24:10,970

the the control consisted of the same

500

00:24:15,799 --> 00:24:13,970

thing as the test system except we never

501  
00:24:18,470 --> 00:24:15,809  
actually did shut off the

502  
00:24:20,899 --> 00:24:18,480  
subject random number generator and as

503  
00:24:24,110 --> 00:24:20,909  
you can see it hovers around 0.5 and

504  
00:24:26,330 --> 00:24:24,120  
stays there the test subject on the

505  
00:24:29,060 --> 00:24:26,340  
other hand was the one that was shut off

506  
00:24:33,049 --> 00:24:29,070  
and about a second or so before shut off

507  
00:24:37,430 --> 00:24:33,059  
it deviated sharply from 0.5 and went

508  
00:24:40,460 --> 00:24:37,440  
down quite a bit in general random

509  
00:24:42,620 --> 00:24:40,470  
number generator studies done around the

510  
00:24:44,990 --> 00:24:42,630  
globe by different groups the effect

511  
00:24:48,740 --> 00:24:45,000  
size tends to be at what about one part

512  
00:24:51,799 --> 00:24:48,750  
in 10,000 we got effect sizes of one

513  
00:24:53,680 --> 00:24:51,809

part in 40 so these were huge effects

514

00:24:57,980 --> 00:24:53,690

and it was very very statistically

515

00:25:00,890 --> 00:24:57,990

significant so this just blew blew our

516

00:25:02,750 --> 00:25:00,900

minds we were really excited we started

517

00:25:05,750 --> 00:25:02,760

thinking ok how are we gonna use this

518

00:25:07,039 --> 00:25:05,760

what is this gonna do and so on so one

519

00:25:10,399 --> 00:25:07,049

of the things that you could do with

520

00:25:12,740 --> 00:25:10,409

this for example is to have a system in

521

00:25:16,750 --> 00:25:12,750

which say you're doing day trading on a

522

00:25:20,080 --> 00:25:16,760

stock market and you shut off the

523

00:25:23,870 --> 00:25:20,090

subject random number generator at a

524

00:25:27,740 --> 00:25:23,880

predetermined time if the stock is going

525

00:25:29,779 --> 00:25:27,750

down at that point and you keep it on if

526

00:25:34,640 --> 00:25:29,789

the stock has remained high at that

527

00:25:38,000 --> 00:25:34,650

point then you take a look at the output

528

00:25:41,750 --> 00:25:38,010

of this subject random number generator

529

00:25:44,539 --> 00:25:41,760

in the computer before the stock trade

530

00:25:46,010 --> 00:25:44,549

and you can tell in advance of the stock

531

00:25:47,840 --> 00:25:46,020

trade a few seconds whether it's going

532

00:25:49,880 --> 00:25:47,850

to go up or down and you can invest

533

00:25:51,620 --> 00:25:49,890

accordingly and so you could do

534

00:25:54,409 --> 00:25:51,630

thousands and thousands of trades in a

535

00:25:56,659 --> 00:25:54,419

day make lots of money support my lab to

536

00:25:58,850 --> 00:25:56,669

continue the research support the

537

00:26:01,399 --> 00:25:58,860

Society of scientific exploration so we

538

00:26:06,250 --> 00:26:01,409

go to really fancy hotels and so we got

539

00:26:08,480 --> 00:26:06,260

very excited about this thing and then

540

00:26:10,789 --> 00:26:08,490

one of the things we wanted to do was

541

00:26:12,560 --> 00:26:10,799

try some variations so each I we changed

542

00:26:14,779 --> 00:26:12,570

bit rate we changed various other

543

00:26:16,310 --> 00:26:14,789

parameters in the system and it didn't

544

00:26:19,640 --> 00:26:16,320

seem to go very well when we made

545

00:26:21,080 --> 00:26:19,650

changes then about 20 days later we

546

00:26:23,149 --> 00:26:21,090

decided to replicate the original

547

00:26:25,760 --> 00:26:23,159

experiment with the original software

548

00:26:27,880 --> 00:26:25,770

original hardware exactly as described

549

00:26:32,590 --> 00:26:27,890

and we got nothing

550

00:26:35,170 --> 00:26:32,600

no effect whatsoever so in this case the

551  
00:26:38,500 --> 00:26:35,180  
test and the control were identical they

552  
00:26:39,610 --> 00:26:38,510  
both gave you about 0.5 at that point I

553  
00:26:42,340 --> 00:26:39,620  
realized wait a minute

554  
00:26:45,730 --> 00:26:42,350  
this is not what we thought it was this

555  
00:26:47,290 --> 00:26:45,740  
is a classical effect where you get a

556  
00:26:51,390 --> 00:26:47,300  
strong effect to begin with

557  
00:26:54,400 --> 00:26:51,400  
later it it declines this is an

558  
00:26:56,770 --> 00:26:54,410  
experimenter decline effect and in fact

559  
00:26:58,960 --> 00:26:56,780  
it's not the random number generators

560  
00:27:01,180 --> 00:26:58,970  
who are doing all of this work it's us

561  
00:27:02,860 --> 00:27:01,190  
it's our intention that sets up the

562  
00:27:07,660 --> 00:27:02,870  
random number generators to work this

563  
00:27:09,130 --> 00:27:07,670

way so this in retrospect is another

564

00:27:12,370 --> 00:27:09,140

cybot ik system

565

00:27:15,300 --> 00:27:12,380

it's a psy bottom in which you set it up

566

00:27:17,950 --> 00:27:15,310

to determine in advance whether

567

00:27:19,900 --> 00:27:17,960

something is going to be whether an

568

00:27:22,210 --> 00:27:19,910

event is going to occur or not at a

569

00:27:24,880 --> 00:27:22,220

future time and if you do it right you

570

00:27:28,720 --> 00:27:24,890

can tell quite reliably when whether

571

00:27:31,540 --> 00:27:28,730

this is going to happen or not okay let

572

00:27:34,420 --> 00:27:31,550

me talk about another experiment that we

573

00:27:37,990 --> 00:27:34,430

did and this is something that involves

574

00:27:40,860 --> 00:27:38,000

remote viewing so we're calling this the

575

00:27:44,440 --> 00:27:40,870

Machine mediated remote viewing system

576

00:27:47,530 --> 00:27:44,450

the experiment consists of two parts the

577

00:27:50,530 --> 00:27:47,540

first part is the usual sort of remote

578

00:27:53,920 --> 00:27:50,540

viewing so a subject attempt to draw a

579

00:27:56,110 --> 00:27:53,930

target hidden in an envelope and so the

580

00:27:59,590 --> 00:27:56,120

subject picks an envelope then draws the

581

00:28:01,480 --> 00:27:59,600

target and later judges judge it but we

582

00:28:05,290 --> 00:28:01,490

added an additional ingredient to this

583

00:28:09,340 --> 00:28:05,300

and this is inspired by field reg

584

00:28:11,980 --> 00:28:09,350

experiments we put a random number

585

00:28:15,190 --> 00:28:11,990

generator in the room sitting next to

586

00:28:17,260 --> 00:28:15,200

the subject unbeknownst to them this

587

00:28:19,210 --> 00:28:17,270

random number generator was spewing bits

588

00:28:23,050 --> 00:28:19,220

out at the same time which went to a

589

00:28:27,580 --> 00:28:23,060

computer we then used that computer to

590

00:28:30,280 --> 00:28:27,590

draw a raster scanned image and along

591

00:28:33,130 --> 00:28:30,290

with the image that the subject was

592

00:28:34,720 --> 00:28:33,140

drawing the judges judged the raster

593

00:28:37,000 --> 00:28:34,730

scanned image by the way these were done

594

00:28:39,490 --> 00:28:37,010

at separate times we didn't take the

595

00:28:42,970 --> 00:28:39,500

pair together each one was was

596

00:28:45,130 --> 00:28:42,980

tested individually so in order to draw

597

00:28:52,270 --> 00:28:45,140

the raster scanned image we took about

598

00:28:54,220 --> 00:28:52,280

50,000 bits per image and arranged them

599

00:28:56,530 --> 00:28:54,230

in groups of a hundred bits averaged

600

00:28:59,290 --> 00:28:56,540

them and thresholded them so that they

601  
00:29:01,270 --> 00:28:59,300  
became either a 1 or a 0 if it was a 1

602  
00:29:03,700 --> 00:29:01,280  
we would draw a dot if it was a 0 we

603  
00:29:06,070 --> 00:29:03,710  
would draw nothing and raster scan did

604  
00:29:10,800 --> 00:29:06,080  
in this way by the way this was carried

605  
00:29:13,270 --> 00:29:10,810  
out by a student who took this psych

606  
00:29:18,160 --> 00:29:13,280  
science of psychic phenomena edges of

607  
00:29:23,470 --> 00:29:18,170  
science class that I taught in 2013 I

608  
00:29:25,210 --> 00:29:23,480  
think and so this was his project and so

609  
00:29:27,190 --> 00:29:25,220  
here's an example I don't know if you

610  
00:29:31,120 --> 00:29:27,200  
can see it well enough on the chart but

611  
00:29:34,960 --> 00:29:31,130  
I'd like you to judge so the possible

612  
00:29:36,430 --> 00:29:34,970  
subjects were Zener card images and so

613  
00:29:39,130 --> 00:29:36,440

if you take a look at the drawing on the

614

00:29:42,970 --> 00:29:39,140

left does it look more like a zero

615

00:29:52,200 --> 00:29:42,980

a-plus squiggly line box triangle or l

616

00:29:57,070 --> 00:29:54,970

okay so here more most of the loudest of

617

00:29:58,930 --> 00:29:57,080

the squiggly lines now the one on the

618

00:30:00,460 --> 00:29:58,940

right which was judged separately and

619

00:30:01,810 --> 00:30:00,470

before you judge it let me give you

620

00:30:03,910 --> 00:30:01,820

little instructions here which we

621

00:30:07,480 --> 00:30:03,920

learned after judging these images

622

00:30:09,490 --> 00:30:07,490

because this is a very low pixel density

623

00:30:11,650 --> 00:30:09,500

image there are naturally going to be

624

00:30:14,380 --> 00:30:11,660

pluses and squares because it's on a

625

00:30:16,750 --> 00:30:14,390

square array so unless it's a really

626

00:30:20,380 --> 00:30:16,760

strong looking square or a strong

627

00:30:22,810 --> 00:30:20,390

looking plus seek another image if it's

628

00:30:25,150 --> 00:30:22,820

possibly a zero or possibly a squiggly

629

00:30:27,940 --> 00:30:25,160

line or possibly a star choose that

630

00:30:28,900 --> 00:30:27,950

rather than the pluses or squares so

631

00:30:36,730 --> 00:30:28,910

what do you think of that one on the

632

00:30:38,980 --> 00:30:36,740

right star well at the time the judges

633

00:30:40,690 --> 00:30:38,990

judged that to be a squiggly line as

634

00:30:43,600 --> 00:30:40,700

well and so this was a rank order

635

00:30:46,740 --> 00:30:43,610

judging it turned out in this case the

636

00:30:49,000 --> 00:30:46,750

actual object in the envelope was a star

637

00:30:52,570 --> 00:30:49,010

okay let's do another

638

00:31:00,070 --> 00:30:52,580

so what do you say for the drawn images

639

00:31:01,810 --> 00:31:00,080

on the left plus square so it really

640

00:31:04,450 --> 00:31:01,820

depends on which of those two images you

641

00:31:14,500 --> 00:31:04,460

choose right what about the one on the

642

00:31:17,230 --> 00:31:14,510

right plus square okay it seems like the

643

00:31:19,390 --> 00:31:17,240

pluses were the loudest let's see so the

644

00:31:21,490 --> 00:31:19,400

judges judged a square on the left a

645

00:31:24,400 --> 00:31:21,500

plus on the right and in fact it was a

646

00:31:28,120 --> 00:31:24,410

plus so the Machine mediated remote

647

00:31:30,310 --> 00:31:28,130

viewing was correct the the one that was

648

00:31:32,740 --> 00:31:30,320

judged from the drawn image was

649

00:31:35,290 --> 00:31:32,750

incorrect we also carried out

650

00:31:37,450 --> 00:31:35,300

experiments in which there was just a

651  
00:31:38,950 --> 00:31:37,460  
machine mediated remote viewing where

652  
00:31:41,980 --> 00:31:38,960  
the subject just sat there and thought

653  
00:31:47,140 --> 00:31:41,990  
but didn't draw anything so what do you

654  
00:31:48,790 --> 00:31:47,150  
think about this one let me guide your

655  
00:31:51,670 --> 00:31:48,800  
thinking on this I know this isn't fair

656  
00:31:56,260 --> 00:31:51,680  
but if you look at it does it look

657  
00:31:58,150 --> 00:31:56,270  
circle ish nah wiggly line maybe but

658  
00:31:59,320 --> 00:31:58,160  
there's sort of an emanating quality to

659  
00:32:01,510 --> 00:31:59,330  
it right there's something that seems to

660  
00:32:02,980 --> 00:32:01,520  
be emanating from the center going out

661  
00:32:06,220 --> 00:32:02,990  
at least that's what I thought when I

662  
00:32:10,450 --> 00:32:06,230  
judged it and I judged it as a star and

663  
00:32:12,130 --> 00:32:10,460

in fact it was a star now I just showed

664

00:32:13,870 --> 00:32:12,140

you three examples where the judging was

665

00:32:16,810 --> 00:32:13,880

correct of course there were cases where

666

00:32:18,970 --> 00:32:16,820

the judging was incorrect and this shows

667

00:32:21,460 --> 00:32:18,980

the statistics for the results

668

00:32:25,720 --> 00:32:21,470

we did get statistically significant

669

00:32:28,540 --> 00:32:25,730

results this the raster scanned images

670

00:32:30,760 --> 00:32:28,550

were more statistically significant or

671

00:32:32,710 --> 00:32:30,770

more significant in their results than

672

00:32:37,930 --> 00:32:32,720

the drawn images and you can see that in

673

00:32:40,480 --> 00:32:37,940

the two left-hand ish columns where the

674

00:32:44,470 --> 00:32:40,490

p-value was point both two for the

675

00:32:47,370 --> 00:32:44,480

raster scanned image then when we did

676

00:32:50,200 --> 00:32:47,380

trials with only the MMRV

677

00:32:53,890 --> 00:32:50,210

there they were less statistically

678

00:32:55,840 --> 00:32:53,900

significant and if you combine the two

679

00:32:57,610 --> 00:32:55,850

we ended up with it with a study which

680

00:33:00,520 --> 00:32:57,620

showed fairly strong statistical

681

00:33:02,710 --> 00:33:00,530

significance just a few quick points

682

00:33:05,560 --> 00:33:02,720

here in the remote

683

00:33:08,050 --> 00:33:05,570

in MMRV runs why was there a higher tea

684

00:33:10,150 --> 00:33:08,060

score for the raster scanned images

685

00:33:12,360 --> 00:33:10,160

compared with the drawn images and I

686

00:33:14,890 --> 00:33:12,370

would argue that the reason is that

687

00:33:19,860 --> 00:33:14,900

there's an analytical overlay that may

688

00:33:22,300 --> 00:33:19,870

occur with the hand-drawn drawings and

689

00:33:25,960 --> 00:33:22,310

according to my remote viewing teacher

690

00:33:28,480 --> 00:33:25,970

Paul Smith you know if say the correct

691

00:33:30,250 --> 00:33:28,490

image is a fork you may see a something

692

00:33:32,290 --> 00:33:30,260

going up like this and something going

693

00:33:34,600 --> 00:33:32,300

down like that mistake it for a brush or

694

00:33:36,490 --> 00:33:34,610

a hand and then you you start drawing

695

00:33:40,330 --> 00:33:36,500

the wrong things presumably the Machine

696

00:33:43,090 --> 00:33:40,340

doesn't do that then some other

697

00:33:45,700 --> 00:33:43,100

questions why was the raster scanned T

698

00:33:47,110 --> 00:33:45,710

score for the remote viewing runs ones

699

00:33:50,500 --> 00:33:47,120

where we did the drawing at the same

700

00:33:53,080 --> 00:33:50,510

time larger than the T score for the

701  
00:33:55,900 --> 00:33:53,090  
cases where you did only the machine

702  
00:33:57,850 --> 00:33:55,910  
driven remote viewing perhaps because

703  
00:34:00,460 --> 00:33:57,860  
there was too much thinking going on

704  
00:34:01,750 --> 00:34:00,470  
with ones where someone was just sitting

705  
00:34:03,700 --> 00:34:01,760  
there thinking when they were drawing

706  
00:34:06,550 --> 00:34:03,710  
they were sort of applying their mind to

707  
00:34:08,830 --> 00:34:06,560  
draw something so then comes a more deep

708  
00:34:12,280 --> 00:34:08,840  
deeper question how can the arbitrary

709  
00:34:14,110 --> 00:34:12,290  
mapping of a raster scan produce an

710  
00:34:15,700 --> 00:34:14,120  
image right because you could raster

711  
00:34:17,860 --> 00:34:15,710  
scan it this way you could raster scan

712  
00:34:21,580 --> 00:34:17,870  
it this way how you combine it is purely

713  
00:34:23,560 --> 00:34:21,590

arbitrary that's classic cybot X it's

714

00:34:25,120 --> 00:34:23,570

the experimenter influenced so you in

715

00:34:28,180 --> 00:34:25,130

advance determine how you want it to

716

00:34:29,860 --> 00:34:28,190

work and so it works that way then what

717

00:34:32,530 --> 00:34:29,870

other sort of images might you do this

718

00:34:34,570 --> 00:34:32,540

way well you could do all sorts of

719

00:34:37,270 --> 00:34:34,580

things you could do microscopy you could

720

00:34:39,040 --> 00:34:37,280

look at ultra-fast processes you could

721

00:34:41,740 --> 00:34:39,050

look at hidden images just as you do

722

00:34:43,600 --> 00:34:41,750

with remote viewing traditional

723

00:34:46,140 --> 00:34:43,610

experiments you could look at images in

724

00:34:47,380 --> 00:34:46,150

the future there all sorts of things

725

00:34:50,050 --> 00:34:47,390

okay

726

00:34:54,220 --> 00:34:50,060

so let's spend a minute or two talking

727

00:34:56,710 --> 00:34:54,230

about what sorts of issues there are in

728

00:34:59,170 --> 00:34:56,720

trying to make Saibot expectable if we

729

00:35:02,410 --> 00:34:59,180

want to start saibot excoriation what do

730

00:35:04,270 --> 00:35:02,420

we need to do first of all we've got to

731

00:35:06,310 --> 00:35:04,280

choose the appropriate applications if

732

00:35:08,860 --> 00:35:06,320

we want to draw if we want to have a

733

00:35:11,650 --> 00:35:08,870

mobile robot it like the pair lab

734

00:35:13,210 --> 00:35:11,660

probably a bad idea because it's going

735

00:35:15,220 --> 00:35:13,220

to wander all over the place it's not a

736

00:35:17,170 --> 00:35:15,230

very efficient way to get the thing

737

00:35:19,090 --> 00:35:17,180

where you want it to go on the other

738

00:35:21,670 --> 00:35:19,100

hand if you want to do something we're

739

00:35:23,770 --> 00:35:21,680

getting right more times than not is

740

00:35:25,990 --> 00:35:23,780

sufficient light for instance stock

741

00:35:31,000 --> 00:35:26,000

market investment then then you've got

742

00:35:34,690 --> 00:35:31,010

something a big issue here has to do

743

00:35:36,670 --> 00:35:34,700

with the reliability and reproducibility

744

00:35:38,560 --> 00:35:36,680

of the effect because what we're doing

745

00:35:39,520 --> 00:35:38,570

is we're applying mental control here

746

00:35:43,330 --> 00:35:39,530

how do we do it

747

00:35:46,410 --> 00:35:43,340

well one possibility might be something

748

00:35:48,640 --> 00:35:46,420

light like controlled remote viewing so

749

00:35:52,420 --> 00:35:48,650

controlled remote viewing takes the

750

00:35:54,640 --> 00:35:52,430

basic idea of clairvoyance and really

751

00:35:57,550 --> 00:35:54,650

refined it quite a bit till you got a

752

00:36:00,910 --> 00:35:57,560

very refined art this was as done by

753

00:36:03,700 --> 00:36:00,920

Ingo Swann and he'll put off which then

754

00:36:06,870 --> 00:36:03,710

became the remote viewing protocol can

755

00:36:09,250 --> 00:36:06,880

one do the same thing with micro PK

756

00:36:12,270 --> 00:36:09,260

perhaps you can I know it's been tried

757

00:36:17,140 --> 00:36:12,280

to some extent perhaps not well enough

758

00:36:18,700 --> 00:36:17,150

in a talk that's going to be given a

759

00:36:19,480 --> 00:36:18,710

little bit later this morning Sean

760

00:36:21,880 --> 00:36:19,490

McNamara

761

00:36:24,400 --> 00:36:21,890

is going to describe some experiments

762

00:36:27,880 --> 00:36:24,410

that he's done in which he has been able

763

00:36:30,460 --> 00:36:27,890

to really control his mind to control a

764

00:36:31,780 --> 00:36:30,470

system and produce some some pretty

765

00:36:34,090 --> 00:36:31,790

interesting effects and I've actually

766

00:36:36,720 --> 00:36:34,100

done this with him and I've been very

767

00:36:39,370 --> 00:36:36,730

very impressed

768

00:36:41,830 --> 00:36:39,380

another issue might be using a physical

769

00:36:44,340 --> 00:36:41,840

crutch for example if you're doing

770

00:36:46,750 --> 00:36:44,350

dowsing you've got a dowsing rod or our

771

00:36:49,570 --> 00:36:46,760

ATSC detector which worked very well

772

00:36:51,040 --> 00:36:49,580

there's a physical system somehow things

773

00:36:53,380 --> 00:36:51,050

seem to work better when you've got a

774

00:36:56,530 --> 00:36:53,390

physical system like psychometrics

775

00:36:59,260 --> 00:36:56,540

is a way of remembering somebody by

776

00:37:01,420 --> 00:36:59,270

looking at a physical thing that they

777

00:37:03,580 --> 00:37:01,430

had probably the physical thing doesn't

778

00:37:05,800 --> 00:37:03,590

contain in any information but it's a

779

00:37:08,650 --> 00:37:05,810

vehicle and so having a vehicle to make

780

00:37:12,520 --> 00:37:08,660

this work might help it and then finally

781

00:37:14,500 --> 00:37:12,530

mind-control Yogi's meditators people

782

00:37:17,370 --> 00:37:14,510

who are able to control their mind have

783

00:37:20,470 --> 00:37:17,380

been shown to really do a lot better on

784

00:37:23,349 --> 00:37:20,480

micro PK experiments so there may be

785

00:37:26,170 --> 00:37:23,359

ways to do this so in conclusion

786

00:37:29,200 --> 00:37:26,180

cybot --ax which is physical

787

00:37:32,200 --> 00:37:29,210

robots driven by sai mediated in ten

788

00:37:33,700 --> 00:37:32,210

can enhance human function it's already

789

00:37:36,580 --> 00:37:33,710

worked I gave a number of examples

790

00:37:38,610 --> 00:37:36,590

including a mobile robot mind lamp

791

00:37:41,340 --> 00:37:38,620

global consciousness project a

792

00:37:44,650 --> 00:37:41,350

contraband detection and dowsing

793

00:37:47,650 --> 00:37:44,660

prediction using a double a dual random

794

00:37:50,560 --> 00:37:47,660

number generator experiment and machine

795

00:37:53,530 --> 00:37:50,570

mediated remote viewing so my question

796

00:37:56,170 --> 00:37:53,540

to you is what applications can you

797

00:37:59,320 --> 00:37:56,180

envision perhaps something really simple

798

00:38:02,200 --> 00:37:59,330

like a random number generator driven

799

00:38:03,880 --> 00:38:02,210

shuffle for your iPod so that the music

800

00:38:07,330 --> 00:38:03,890

that plays is the one that you just want

801  
00:38:11,050 --> 00:38:07,340  
at that time or maybe you might even ask

802  
00:38:13,840 --> 00:38:11,060  
is is a pyramid a cybot exist 'm is it

803  
00:38:17,120 --> 00:38:13,850  
actually driven by intention I'd be

804  
00:38:24,600 --> 00:38:17,130  
interested in what you think thank you

805  
00:38:27,070 --> 00:38:24,610  
[Applause]

806  
00:38:32,070 --> 00:38:27,080  
okay I don't even have to say questions

807  
00:38:37,600 --> 00:38:34,420  
fantastic presentation really

808  
00:38:39,520 --> 00:38:37,610  
interesting um I'm interested in the

809  
00:38:42,780 --> 00:38:39,530  
decline effect what is the difference

810  
00:38:46,030 --> 00:38:42,790  
between your your little stock picking

811  
00:38:49,120 --> 00:38:46,040  
device between the intention you had

812  
00:38:52,390 --> 00:38:49,130  
initially where it was successful and

813  
00:38:54,160 --> 00:38:52,400

then the second time why would your

814

00:38:55,930 --> 00:38:54,170

intention be so different and why would

815

00:39:01,030 --> 00:38:55,940

you did not get the same positive

816

00:39:02,830 --> 00:39:01,040

results I wish I knew the answer I think

817

00:39:08,490 --> 00:39:02,840

the answer is probably going to be the

818

00:39:11,710 --> 00:39:08,500

same as what our speaker last evening

819

00:39:13,690 --> 00:39:11,720

gallenberger talked about that there's

820

00:39:16,360 --> 00:39:13,700

some sort of a purity of intention and

821

00:39:18,880 --> 00:39:16,370

enthusiasm that starts off an experiment

822

00:39:21,970 --> 00:39:18,890

and something seems to dissipate yeah

823

00:39:29,550 --> 00:39:21,980

let me suggest novelty somehow novelty

824

00:39:37,270 --> 00:39:32,350

there's potential here for hours of

825

00:39:42,220 --> 00:39:37,280

discussion but I like to touch on just

826

00:39:46,900 --> 00:39:42,230

one point on the MMRV I'm wondering why

827

00:39:51,520 --> 00:39:46,910

you chose to throw away so much of the

828

00:39:55,080 --> 00:39:51,530

information given that especially in

829

00:39:57,430 --> 00:39:55,090

these later days we're all accustomed to

830

00:40:01,480 --> 00:39:57,440

pixelated images on the news and

831

00:40:03,490 --> 00:40:01,490

elsewhere that have been turned in into

832

00:40:06,370 --> 00:40:03,500

big blocks to try to obscure information

833

00:40:08,200 --> 00:40:06,380

and trying to see whatever we can beyond

834

00:40:10,180 --> 00:40:08,210

it do you think the judge might have

835

00:40:13,900 --> 00:40:10,190

been able to do better if instead of

836

00:40:19,420 --> 00:40:13,910

having an array of dots and blanks you

837

00:40:22,390 --> 00:40:19,430

had retained the full numbers and had

838

00:40:25,330 --> 00:40:22,400

greyscale in different shades very good

839

00:40:28,300 --> 00:40:25,340

point the reason is that this was a

840

00:40:31,030 --> 00:40:28,310

student project and he had time to do it

841

00:40:33,310 --> 00:40:31,040

one way he did it one way and that was

842

00:40:34,960 --> 00:40:33,320

the result we had I would love to do

843

00:40:37,540 --> 00:40:34,970

exactly what you said I'd love to

844

00:40:41,830 --> 00:40:37,550

do it with greyscale I'd like to do it

845

00:40:43,750 --> 00:40:41,840

with a much finer array of pixels and if

846

00:40:45,400 --> 00:40:43,760

somebody is interested in doing the

847

00:40:47,860 --> 00:40:45,410

programming on this thing and working

848

00:40:50,350 --> 00:40:47,870

with me that would be wonderful this is

849

00:40:52,420 --> 00:40:50,360

something where we just did it and then

850

00:40:54,820 --> 00:40:52,430

the guy graduated and now he's off

851  
00:40:55,710 --> 00:40:54,830  
working in some aerospace company

852  
00:40:59,080 --> 00:40:55,720  
somewhere

853  
00:41:01,600 --> 00:40:59,090  
my father was psychometric and he

854  
00:41:04,300 --> 00:41:01,610  
utilized psychometry to found the field

855  
00:41:06,340 --> 00:41:04,310  
of highway safety in America dad's

856  
00:41:09,370 --> 00:41:06,350  
research at Harvard got Ralph Nader's

857  
00:41:12,400 --> 00:41:09,380  
started the book unsafe at any speed so

858  
00:41:14,530 --> 00:41:12,410  
he talked to cars and he talked to

859  
00:41:17,440 --> 00:41:14,540  
inanimate objects on a regular basis

860  
00:41:20,920 --> 00:41:17,450  
they the inanimate object has a

861  
00:41:23,440 --> 00:41:20,930  
non-sentient consciousness and is aware

862  
00:41:29,110 --> 00:41:23,450  
of what goes on around it and records

863  
00:41:32,520 --> 00:41:29,120

images in it ok so you it is not that

864

00:41:37,420 --> 00:41:32,530

the psychometry person is perceiving

865

00:41:40,870 --> 00:41:37,430

environmental stimuli the the object

866

00:41:43,780 --> 00:41:40,880

itself is being read so what it has

867

00:41:46,660 --> 00:41:43,790

perceived so what you say reminds me of

868

00:41:50,020 --> 00:41:46,670

a story where Bob John had was showing

869

00:41:54,150 --> 00:41:50,030

the Dalai Lama around the pear lab and

870

00:41:56,350 --> 00:41:54,160

as the Dalai Lama was at was leaving and

871

00:41:59,290 --> 00:41:56,360

Bob John had answered a lot of questions

872

00:42:03,400 --> 00:41:59,300

the Dalai Lama asked Bob do you have a

873

00:42:06,310 --> 00:42:03,410

question for me and Bob asked is this

874

00:42:08,290 --> 00:42:06,320

random event generator conscious the

875

00:42:10,570 --> 00:42:08,300

Dalai Lama thought for a minute and he

876

00:42:17,320 --> 00:42:10,580

said if you think it's conscious then

877

00:42:18,970 --> 00:42:17,330

it's conscious great talk so I have an

878

00:42:21,310 --> 00:42:18,980

endorsement caveat in question that I'll

879

00:42:22,900 --> 00:42:21,320

try to do really fast so endorsement is

880

00:42:24,490 --> 00:42:22,910

I think from a cylon standpoint we

881

00:42:26,680 --> 00:42:24,500

obviously 100% agree with this

882

00:42:29,860 --> 00:42:26,690

programmability thing I think there's

883

00:42:31,210 --> 00:42:29,870

probably dozens of examples that along

884

00:42:33,790 --> 00:42:31,220

the lines of what you're saying so I

885

00:42:35,050 --> 00:42:33,800

think that's great and it's important

886

00:42:36,460 --> 00:42:35,060

for people to realize it because I think

887

00:42:38,830 --> 00:42:36,470

it would save a lot of time in the

888

00:42:40,660 --> 00:42:38,840

explorations that they do the caveat

889

00:42:42,430 --> 00:42:40,670

would be I think the effect size

890

00:42:44,440 --> 00:42:42,440

statement I think the effect size issue

891

00:42:46,270 --> 00:42:44,450

is also subject to this program ability

892

00:42:46,900 --> 00:42:46,280

so depending on how you define an

893

00:42:48,910 --> 00:42:46,910

experiment

894

00:42:50,950 --> 00:42:48,920

very easy to scale it up and down by

895

00:42:52,260 --> 00:42:50,960

several orders of magnitude that's one

896

00:42:54,670 --> 00:42:52,270

thing and then the question would be

897

00:42:56,650 --> 00:42:54,680

given that there's all this sign missing

898

00:42:59,260 --> 00:42:56,660

and you know issues with decline effects

899

00:43:01,809 --> 00:42:59,270

etc can we ever actually have reliable

900

00:43:03,760 --> 00:43:01,819

applications even though we do have its

901  
00:43:05,799 --> 00:43:03,770  
programmability feature would you ask

902  
00:43:09,279 --> 00:43:05,809  
the same question about clairvoyance

903  
00:43:11,200 --> 00:43:09,289  
before remote viewing was started well I

904  
00:43:12,640 --> 00:43:11,210  
think the mainstream still doesn't

905  
00:43:14,859 --> 00:43:12,650  
accept any of those things because we

906  
00:43:16,930 --> 00:43:14,869  
don't have the degree of deterministic

907  
00:43:18,900 --> 00:43:16,940  
reliability that we get from most

908  
00:43:21,069 --> 00:43:18,910  
technology in the normal paradigm so

909  
00:43:23,109 --> 00:43:21,079  
yeah you think we can put these

910  
00:43:24,970 --> 00:43:23,119  
applications into that camp but is there

911  
00:43:26,829 --> 00:43:24,980  
is there a hope to put it into a more

912  
00:43:32,099 --> 00:43:26,839  
you know conventional application you

913  
00:43:38,349 --> 00:43:35,079

as an engineer I think I see a key to

914

00:43:40,599 --> 00:43:38,359

this when you show the decline effect in

915

00:43:43,299 --> 00:43:40,609

the robot itself if we assume that it

916

00:43:44,319 --> 00:43:43,309

was the RNG and that the experimenter

917

00:43:47,529 --> 00:43:44,329

doing it

918

00:43:50,470 --> 00:43:47,539

so if we treat the robots as as semi

919

00:43:53,140 --> 00:43:50,480

living or unconscious like was it Paul

920

00:43:57,670 --> 00:43:53,150

the artificial ghost decline effect

921

00:44:01,269 --> 00:43:57,680

suggests training effects so if we can

922

00:44:02,980 --> 00:44:01,279

train a product that's based on a random

923

00:44:06,039 --> 00:44:02,990

random number generators and then

924

00:44:08,289 --> 00:44:06,049

somehow make haunted randomizers that do

925

00:44:10,750 --> 00:44:08,299

what we want because we've treated them

926  
00:44:13,990 --> 00:44:10,760  
as children and spent years in training

927  
00:44:16,599 --> 00:44:14,000  
until they start doing things and then

928  
00:44:21,460 --> 00:44:16,609  
copy them which is sort of how human

929  
00:44:24,370 --> 00:44:21,470  
beings are made that's the opposite of

930  
00:44:26,019 --> 00:44:24,380  
the decline effect and I got this from a

931  
00:44:30,670 --> 00:44:26,029  
waking up in the middle night with

932  
00:44:34,450 --> 00:44:30,680  
intense dream of a expose eye experiment

933  
00:44:36,760 --> 00:44:34,460  
which the dream was the magic 8-ball was

934  
00:44:38,980 --> 00:44:36,770  
trained by the intention of hundreds of

935  
00:44:41,680 --> 00:44:38,990  
thousands of people and when it first

936  
00:44:45,970 --> 00:44:41,690  
was made didn't actually work and it was

937  
00:44:49,839 --> 00:44:45,980  
purely random but today it actually is

938  
00:44:52,870 --> 00:44:49,849

like a cybot that it's doing is making

939

00:44:54,819 --> 00:44:52,880

accurate predictions so the experiment

940

00:44:55,720 --> 00:44:54,829

would be to look at random number

941

00:44:58,210 --> 00:44:55,730

generators

942

00:45:00,580 --> 00:44:58,220

and see if we have like a thousand

943

00:45:04,330 --> 00:45:00,590

students come through and on one of them

944

00:45:06,970 --> 00:45:04,340

and try to get them to do something will

945

00:45:10,090 --> 00:45:06,980

the student intention slowly train our

946

00:45:11,740 --> 00:45:10,100

instruments to do what the students will

947

00:45:14,020 --> 00:45:11,750

not and then we can watch that happen

948

00:45:16,540 --> 00:45:14,030

over the months where it's purely random

949

00:45:19,120 --> 00:45:16,550

when we start until it starts doing

950

00:45:21,490 --> 00:45:19,130

things let's try it interesting so we

951  
00:45:24,370 --> 00:45:21,500  
now have two votes for honoring the

952  
00:45:26,650 --> 00:45:24,380  
random number generator their honor

953  
00:45:29,080 --> 00:45:26,660  
honoring the instrument yes

954  
00:45:31,000 --> 00:45:29,090  
great talk Aaron and maybe another word

955  
00:45:32,920 --> 00:45:31,010  
for this as psychotronics which goes

956  
00:45:34,840 --> 00:45:32,930  
back to the sixties it's a little

957  
00:45:37,030 --> 00:45:34,850  
different I actually watched your video

958  
00:45:39,010 --> 00:45:37,040  
on psychotronics recently just to see

959  
00:45:46,030 --> 00:45:39,020  
the distinction but you're the experts

960  
00:45:48,990 --> 00:45:46,040  
please go ahead pyramidal structures

961  
00:45:53,950 --> 00:45:49,000  
which we found enhanced human intention

962  
00:45:56,710 --> 00:45:53,960  
to with plant growth the biomass was

963  
00:46:00,310 --> 00:45:56,720

almost twice as large this is dry weight

964

00:46:03,700 --> 00:46:00,320

my biomass of Kentucky wonder beans that

965

00:46:06,010 --> 00:46:03,710

grew in a non-native substrate so with

966

00:46:08,440 --> 00:46:06,020

intention alone it was about 16% more

967

00:46:14,400 --> 00:46:08,450

biomass and it was about 36% more

968

00:46:17,440 --> 00:46:15,880

thank you

969

00:46:21,040 --> 00:46:17,450

so I do want to make the distinction

970

00:46:24,010 --> 00:46:21,050

here between psychotronics and Saibot

971

00:46:25,990 --> 00:46:24,020

--ax where one involves more just direct

972

00:46:28,990 --> 00:46:26,000

influence on living systems and another

973

00:46:30,730 --> 00:46:29,000

uses a machine to mediate it you're

974

00:46:32,830 --> 00:46:30,740

saying in this particular case a pyramid

975

00:46:38,230 --> 00:46:32,840

did the mediation and so that's that's

976

00:46:40,780 --> 00:46:38,240

an intermediate area thank you thank you