



1
00:00:23,339 --> 00:00:17,270

[Music]

2
00:00:27,929 --> 00:00:23,349

welcome to shadows reality with your

3
00:00:30,870 --> 00:00:27,939

hosts a Valentine and furs prepared

4
00:00:34,950 --> 00:00:30,880

ahead of paradigm as she did and your

5
00:00:41,270 --> 00:00:34,960

truths question it and now shattered

6
00:00:45,060 --> 00:00:41,280

reality here we are getting faroush

7
00:00:47,790 --> 00:00:45,070

another show yes and we have a very

8
00:00:50,189 --> 00:00:47,800

exciting show today yeah but you know

9
00:00:57,410 --> 00:00:50,199

let's slate okay

10
00:01:00,930 --> 00:00:57,420

today is July 25th 2017 and it is our

11
00:01:02,880 --> 00:01:00,940

52nd show can you believe that no really

12
00:01:05,640 --> 00:01:02,890

it I really don't either I mean it's

13
00:01:08,010 --> 00:01:05,650

it's gone by like a like a flash and I

14

00:01:10,710 --> 00:01:08,020

think it's because we've had a bunch of

15

00:01:12,810 --> 00:01:10,720

really interesting people on and today

16

00:01:17,429 --> 00:01:12,820

does not disappoint

17

00:01:21,719 --> 00:01:17,439

I am really proud and honored to have as

18

00:01:25,530 --> 00:01:21,729

our guest today the laboratory manager

19

00:01:30,210 --> 00:01:25,540

of the Princeton engineering anomalies

20

00:01:33,899 --> 00:01:30,220

Research Lab the pear lab miss Brenda

21

00:01:38,609 --> 00:01:33,909

done is with us today she worked with

22

00:01:41,819 --> 00:01:38,619

dr. Robert John and still does he was

23

00:01:45,149 --> 00:01:41,829

the dean emeritus of Princeton School of

24

00:01:47,819 --> 00:01:45,159

Engineering and Applied Science and he

25

00:01:54,859 --> 00:01:47,829

is the professor emeritus of aerospace

26

00:01:57,990 --> 00:01:54,869

engineering after the lab closed in 27

27

00:02:01,170 --> 00:01:58,000

2007 they moved their operation to a

28

00:02:03,859 --> 00:02:01,180

nonprofit organization called the

29

00:02:10,170 --> 00:02:03,869

International consciousness research

30

00:02:14,910 --> 00:02:10,180

laboratories or IC RL they also have IC

31

00:02:16,260 --> 00:02:14,920

i-- IC RL press which publishes books on

32

00:02:19,980 --> 00:02:16,270

consciousness

33

00:02:24,800 --> 00:02:19,990

science and spirituality including a

34

00:02:29,730 --> 00:02:24,810

book called molecular memories a book by

35

00:02:31,620 --> 00:02:29,740

Brenda Dunn and dr. Robert John which we

36

00:02:35,550 --> 00:02:31,630

will discuss today amongst other things

37

00:02:39,690 --> 00:02:35,560

and now without further ado we shall

38

00:02:41,400 --> 00:02:39,700

welcome mr. Dunn thank you so much for

39

00:02:43,380 --> 00:02:41,410

being with us I'm really quite impressed

40

00:02:47,400 --> 00:02:43,390

for sure was telling me about you and

41

00:02:49,710 --> 00:02:47,410

the work that's being done at pear and I

42

00:02:52,650 --> 00:02:49,720

really congratulate you on being a

43

00:02:57,540 --> 00:02:52,660

pioneer it's not taking a lot of courage

44

00:03:01,200 --> 00:02:57,550

to be a pioneer well thank you it's sure

45

00:03:03,660 --> 00:03:01,210

to be here could you tell us something

46

00:03:06,000 --> 00:03:03,670

about there I mean just a lot of people

47

00:03:09,090 --> 00:03:06,010

are unfamiliar with the Princeton

48

00:03:10,650 --> 00:03:09,100

engineering anomalies research and I

49

00:03:16,320 --> 00:03:10,660

think it's important that it be brought

50

00:03:21,560 --> 00:03:16,330

to public attention okay the pear lab

51
00:03:25,380 --> 00:03:21,570
was established by Professor John in

52
00:03:27,600 --> 00:03:25,390
1979 at which time he was the Dean of

53
00:03:30,420 --> 00:03:27,610
Princeton School of Engineering and

54
00:03:34,050 --> 00:03:30,430
Applied Sciences and he became

55
00:03:38,130 --> 00:03:34,060
interested in the topic of human machine

56
00:03:41,060 --> 00:03:38,140
anomalies through a project an

57
00:03:45,270 --> 00:03:41,070
undergraduate project that he supervised

58
00:03:48,090 --> 00:03:45,280
this young woman had read some of the

59
00:03:51,900 --> 00:03:48,100
studies that had been done where people

60
00:03:55,620 --> 00:03:51,910
seemed to be able to effect random event

61
00:03:57,810 --> 00:03:55,630
generators in you know without any

62
00:04:02,220 --> 00:03:57,820
sensory contact just through their

63
00:04:05,010 --> 00:04:02,230

consciousness and although he was a bit

64

00:04:08,070 --> 00:04:05,020

skeptical at the time he did believe

65

00:04:10,800 --> 00:04:08,080

that the design and construction of a

66

00:04:14,520 --> 00:04:10,810

random event generator and the design

67

00:04:16,680 --> 00:04:14,530

and conduct of a research experiment

68

00:04:19,860 --> 00:04:16,690

associated with it was a reasonable

69

00:04:24,570 --> 00:04:19,870

undergraduate project so he did

70

00:04:27,810 --> 00:04:24,580

supervise it and as a result the project

71

00:04:30,149 --> 00:04:27,820

got some very interesting findings that

72

00:04:34,739 --> 00:04:30,159

suggested that people could indeed in

73

00:04:37,139 --> 00:04:34,749

the random output of these devices he

74

00:04:41,219 --> 00:04:37,149

became quite interested even after the

75

00:04:44,729 --> 00:04:41,229

student lost interest and believed that

76
00:04:48,059 --> 00:04:44,739
had these phenomena had important

77
00:04:51,869 --> 00:04:48,069
engineering implications you know at the

78
00:04:57,299 --> 00:04:51,879
time engineering technology was just

79
00:04:59,429 --> 00:04:57,309
booming and they were becoming more and

80
00:05:02,419 --> 00:04:59,439
more dependent on sensitive random

81
00:05:10,019 --> 00:05:02,429
processes and various forms of

82
00:05:13,529 --> 00:05:10,029
applications so he well as an aerospace

83
00:05:17,159 --> 00:05:13,539
engineer he was also familiar with mr.

84
00:05:20,939 --> 00:05:17,169
James McDonald the patriarch of the

85
00:05:23,219 --> 00:05:20,949
McDonnell Douglas Aircraft Company who

86
00:05:25,980 --> 00:05:23,229
it turned out also had an interest in

87
00:05:28,619 --> 00:05:25,990
the topic and in particular had some

88
00:05:33,059 --> 00:05:28,629

concerns about the vulnerability of some

89

00:05:37,279 --> 00:05:33,069

of the sensitive cockpit instrumentation

90

00:05:40,439 --> 00:05:37,289

to the emotional reactions of the pilot

91

00:05:44,129 --> 00:05:40,449

it turns out that mr. McDonnell was also

92

00:05:47,519 --> 00:05:44,139

a Princeton graduate and at a meeting

93

00:05:50,129 --> 00:05:47,529

that they both had attended he suggested

94

00:05:54,989 --> 00:05:50,139

to Bob John that he set up a program to

95

00:05:58,169 --> 00:05:54,999

study this topic more carefully and and

96

00:06:02,399 --> 00:05:58,179

that if he would do so he would be glad

97

00:06:06,149 --> 00:06:02,409

to support it financially well after

98

00:06:09,239 --> 00:06:06,159

further conversation bob agreed to do it

99

00:06:13,169 --> 00:06:09,249

and started talking to his

100

00:06:16,919 --> 00:06:13,179

administration who wasn't weren't too

101
00:06:19,679 --> 00:06:16,929
happy about the idea but given Bob's

102
00:06:21,989 --> 00:06:19,689
position as an administrative officer of

103
00:06:26,339 --> 00:06:21,999
the University and his tenured position

104
00:06:30,259 --> 00:06:26,349
as a professor they finally agreed to

105
00:06:33,809 --> 00:06:30,269
let him do it with a number of caveats

106
00:06:37,169 --> 00:06:33,819
it was not to be an academic program

107
00:06:41,879 --> 00:06:37,179
simply a research project no teaching no

108
00:06:43,520 --> 00:06:41,889
student activity and so forth given

109
00:06:47,590 --> 00:06:43,530
Bob's other

110
00:06:50,330 --> 00:06:47,600
major commitments he needed somebody to

111
00:06:55,760 --> 00:06:50,340
manage the laboratory on a day-to-day

112
00:06:58,460 --> 00:06:55,770
basis and he went you know looking for

113
00:07:02,600 --> 00:06:58,470

somebody who could fulfill that that

114

00:07:04,490 --> 00:07:02,610

role in particular he wanted somebody

115

00:07:09,890 --> 00:07:04,500

who came from a different perspective

116

00:07:11,840 --> 00:07:09,900

than his own preferably a woman because

117

00:07:17,420 --> 00:07:11,850

he felt that it goes

118

00:07:21,440 --> 00:07:17,430

it needed a yin component to his yang if

119

00:07:26,510 --> 00:07:21,450

you will you know somebody who was

120

00:07:29,540 --> 00:07:26,520

sensitive to people and so forth and he

121

00:07:32,750 --> 00:07:29,550

attended a meeting of the Paris

122

00:07:37,600 --> 00:07:32,760

Psychological Association in the summer

123

00:07:40,490 --> 00:07:37,610

of 1978 where I was giving a talk

124

00:07:44,150 --> 00:07:40,500

describing some of my early studies in

125

00:07:46,159 --> 00:07:44,160

remote viewing remote viewing is a an

126

00:07:50,150 --> 00:07:46,169

experiment where people attempt to

127

00:07:53,300 --> 00:07:50,160

describe some distant location without

128

00:07:55,520 --> 00:07:53,310

any sensory input and to see if they

129

00:08:01,670 --> 00:07:55,530

could describe it just by thinking about

130

00:08:05,030 --> 00:08:01,680

it during one of the coffee breaks he we

131

00:08:07,159 --> 00:08:05,040

met and he told me that he was

132

00:08:09,200 --> 00:08:07,169

interested in starting a program at

133

00:08:12,680 --> 00:08:09,210

Princeton he asked if I would be

134

00:08:14,120 --> 00:08:12,690

interested in working with him and

135

00:08:18,409 --> 00:08:14,130

needless to say I thought it was a

136

00:08:20,900 --> 00:08:18,419

fantastic idea I was at a point in my

137

00:08:22,880 --> 00:08:20,910

life where I was I was in graduate

138

00:08:26,570 --> 00:08:22,890

school to plot at the time with another

139

00:08:29,270 --> 00:08:26,580

year to go but had been recently

140

00:08:30,980 --> 00:08:29,280

divorced I'd sold my house was not quite

141

00:08:33,290 --> 00:08:30,990

sure what I wanted to do with the rest

142

00:08:36,050 --> 00:08:33,300

of my life and this was just an

143

00:08:36,589 --> 00:08:36,060

opportunity you know that definded from

144

00:08:42,079 --> 00:08:36,599

heaven

145

00:08:44,960 --> 00:08:42,089

so we talked a bit we discussed that you

146

00:08:48,760 --> 00:08:44,970

know the potential of the program and he

147

00:08:51,530 --> 00:08:48,770

in the fall he offered me the position

148

00:08:55,520 --> 00:08:51,540

the University was a bit uncomfortable

149

00:08:58,869 --> 00:08:55,530

with the idea of having someone with a

150

00:09:02,840 --> 00:08:58,879

psychology degree

151

00:09:06,489 --> 00:09:02,850

managing a engineering research program

152

00:09:10,160 --> 00:09:06,499

but they they finally did capitulate and

153

00:09:14,090 --> 00:09:10,170

I moved to Princeton in the following

154

00:09:18,379 --> 00:09:14,100

spring in June of 79 and we together we

155

00:09:21,530 --> 00:09:18,389

started the payer program would it be

156

00:09:25,519 --> 00:09:21,540

fair to say that the work at the pear

157

00:09:28,069 --> 00:09:25,529

lab was groundbreaking and it brought sy

158

00:09:31,850 --> 00:09:28,079

research to physics and assured in a new

159

00:09:35,590 --> 00:09:31,860

era of sy research as a result of it

160

00:09:38,359 --> 00:09:35,600

probably it certainly was groundbreaking

161

00:09:42,109 --> 00:09:38,369

although most of the research that we

162

00:09:43,609 --> 00:09:42,119

did there it was based on replicating

163

00:09:46,100 --> 00:09:43,619

the work of others

164

00:09:49,910 --> 00:09:46,110

you know the remote viewing experience

165

00:09:52,759 --> 00:09:49,920

work that was being funded SR I and some

166

00:09:55,249 --> 00:09:52,769

of the human-machine anomalies that were

167

00:09:58,160 --> 00:09:55,259

being conducted by people like physicist

168

00:10:00,829 --> 00:09:58,170

Helmut Schmidt who I believe at the time

169

00:10:03,009 --> 00:10:00,839

was working for Boeing I could be wrong

170

00:10:06,379 --> 00:10:03,019

on that he did work there at one time

171

00:10:10,460 --> 00:10:06,389

but the program basically had three

172

00:10:13,970 --> 00:10:10,470

components one of them and probably the

173

00:10:16,629 --> 00:10:13,980

major one was a body of experiments in

174

00:10:20,179 --> 00:10:16,639

what we call human machine anomalies

175

00:10:22,220 --> 00:10:20,189

where people ordinary people not people

176

00:10:26,449 --> 00:10:22,230

who claimed unusual abilities just

177

00:10:29,809 --> 00:10:26,459

ordinary volunteers would interact with

178

00:10:31,429 --> 00:10:29,819

a random system of some sort and we had

179

00:10:33,979 --> 00:10:31,439

quite a few of them some of them were

180

00:10:38,569 --> 00:10:33,989

micro electronics some of them were

181

00:10:40,329 --> 00:10:38,579

macroscopic mechanical devices etc we

182

00:10:43,659 --> 00:10:40,339

had probably five or six different

183

00:10:48,799 --> 00:10:43,669

random processes but each of them

184

00:10:52,789 --> 00:10:48,809

produced some kind of random output some

185

00:10:55,519 --> 00:10:52,799

sequence of random binary bits and the

186

00:10:57,049 --> 00:10:55,529

operators as we call them we didn't call

187

00:11:00,289 --> 00:10:57,059

them subjects because we weren't

188

00:11:04,009 --> 00:11:00,299

studying the people we were studying the

189

00:11:07,730 --> 00:11:04,019

machines basically and where these

190

00:11:10,129 --> 00:11:07,740

operators would attempt to influence the

191

00:11:11,240 --> 00:11:10,139

output of these devices in accordance

192

00:11:14,260 --> 00:11:11,250

with a

193

00:11:17,330 --> 00:11:14,270

pre-stated and prerecorded intention

194

00:11:21,080 --> 00:11:17,340

usually the experiments followed what we

195

00:11:23,780 --> 00:11:21,090

called a tri-polar protocol where the

196

00:11:27,530 --> 00:11:23,790

people would generate data under an

197

00:11:30,940 --> 00:11:27,540

intention to try to produce higher

198

00:11:34,520 --> 00:11:30,950

numbers or if you want more more ones

199

00:11:36,730 --> 00:11:34,530

more you know bits or a negative

200

00:11:40,460 --> 00:11:36,740

intention where they tried to get more

201
00:11:43,100 --> 00:11:40,470
lower numbers or more zeros and a

202
00:11:44,690 --> 00:11:43,110
baseline where they just stayed in the

203
00:11:47,180 --> 00:11:44,700
same place and just didn't think

204
00:11:52,040 --> 00:11:47,190
anything what the machine do its own its

205
00:11:53,870 --> 00:11:52,050
own thing though those external go back

206
00:11:57,440 --> 00:11:53,880
and describe you know the results of

207
00:11:59,750 --> 00:11:57,450
those but we collected oh God many

208
00:12:02,450 --> 00:11:59,760
millions are probably tens of millions

209
00:12:05,750 --> 00:12:02,460
of data points in these experiments over

210
00:12:10,400 --> 00:12:05,760
the years the other part of the program

211
00:12:11,060 --> 00:12:10,410
was a study a remote perception remote

212
00:12:13,250 --> 00:12:11,070
viewing

213
00:12:15,680 --> 00:12:13,260

we called it remote perception because

214

00:12:20,420 --> 00:12:15,690

it seemed to us that the phenomenon

215

00:12:22,280 --> 00:12:20,430

wasn't necessarily a visual one where as

216

00:12:24,829 --> 00:12:22,290

I said before people would attempt to

217

00:12:27,920 --> 00:12:24,839

describe some remote location that was

218

00:12:30,710 --> 00:12:27,930

assigned randomly and where another

219

00:12:35,750 --> 00:12:30,720

person would visit at a predetermined

220

00:12:42,340 --> 00:12:35,760

time our concern in these experiments

221

00:12:48,670 --> 00:12:42,350

really was to develop a more systematic

222

00:12:51,920 --> 00:12:48,680

measure of quantification of the results

223

00:12:54,860 --> 00:12:51,930

instead of having some third party

224

00:12:58,790 --> 00:12:54,870

attempt to match the perceptions and the

225

00:13:01,130 --> 00:12:58,800

targets you know to see how well they

226

00:13:05,200 --> 00:13:01,140

matched we wanted something that took

227

00:13:09,530 --> 00:13:05,210

the third person out and it was a more

228

00:13:11,300 --> 00:13:09,540

more qualified quantitative measurement

229

00:13:16,670 --> 00:13:11,310

of the amount of information that was

230

00:13:22,600 --> 00:13:16,680

acquired in that experimental program we

231

00:13:25,190 --> 00:13:22,610

collected over 650 trials over the years

232

00:13:30,310 --> 00:13:25,200

again with very significant

233

00:13:33,680 --> 00:13:30,320

results the third part of the program

234

00:13:37,250 --> 00:13:33,690

basically addressed the question of what

235

00:13:39,800 --> 00:13:37,260

in the world is going on here namely an

236

00:13:42,350 --> 00:13:39,810

attempt to design some sort of a model

237

00:13:46,579 --> 00:13:42,360

that could accommodate these anomalous

238

00:13:49,449 --> 00:13:46,589

phenomena and explain what was going on

239

00:13:52,189 --> 00:13:49,459

I can't say we were ever fully

240

00:13:55,519 --> 00:13:52,199

successful in that regard but we did

241

00:13:59,210 --> 00:13:55,529

come up with some ideas and some models

242

00:14:02,509 --> 00:13:59,220

that we published in our papers and

243

00:14:04,790 --> 00:14:02,519

books it might with a good time to

244

00:14:07,790 --> 00:14:04,800

mention a couple of those books the

245

00:14:11,870 --> 00:14:07,800

margins of reality and consciousness and

246

00:14:15,050 --> 00:14:11,880

the source of reality okay well it C

247

00:14:18,110 --> 00:14:15,060

margins of reality subtitled the role of

248

00:14:23,990 --> 00:14:18,120

consciousness in the physical world was

249

00:14:28,340 --> 00:14:24,000

published in 1987 I believe 87 or 88 87

250

00:14:31,310 --> 00:14:28,350

and it described the program to date the

251
00:14:34,150 --> 00:14:31,320
results the design of experiments some

252
00:14:37,280 --> 00:14:34,160
of the theoretical ideas and the

253
00:14:40,939 --> 00:14:37,290
implications of these phenomena for a

254
00:14:44,360 --> 00:14:40,949
variety of areas whether it be

255
00:14:49,430 --> 00:14:44,370
engineering or psychology or medicine or

256
00:14:52,880 --> 00:14:49,440
you know a lot of them consciousness and

257
00:14:58,269 --> 00:14:52,890
the source of reality subtitled the pair

258
00:15:04,220 --> 00:14:59,630
2000

259
00:15:07,040 --> 00:15:04,230
oh gosh I'm blocking him on a date I

260
00:15:11,740 --> 00:15:07,050
think it was truth violators oh yes

261
00:15:16,370 --> 00:15:11,750
later after the lab closed and so after

262
00:15:18,889 --> 00:15:16,380
2007 we would say yes I'm trying to

263
00:15:22,309 --> 00:15:18,899

check that out

264

00:15:32,509 --> 00:15:22,319

I don't I have a copy of the book that's

265

00:15:35,509 --> 00:15:32,519

okay yeah 2001 no 2011 oh sorry

266

00:15:37,800 --> 00:15:35,519

and that was really a sequel to margins

267

00:15:39,600 --> 00:15:37,810

of reality that covered

268

00:15:42,720 --> 00:15:39,610

some of the same material but now

269

00:15:45,120 --> 00:15:42,730

covered the full 28-year history of the

270

00:15:48,420 --> 00:15:45,130

program as opposed to just the first

271

00:15:51,320 --> 00:15:48,430

eight years and covered you know some

272

00:15:54,260 --> 00:15:51,330

other areas that we had not thought of

273

00:15:59,100 --> 00:15:54,270

you know at that early time in

274

00:16:01,290 --> 00:15:59,110

particular as the title suggests we had

275

00:16:04,050 --> 00:16:01,300

become persuaded that what we were

276

00:16:08,990 --> 00:16:04,060

really studying here was human

277

00:16:12,990 --> 00:16:09,000

consciousness consciousness not as a

278

00:16:15,690 --> 00:16:13,000

epiphenomenon of the brain as a lot of

279

00:16:18,840 --> 00:16:15,700

people you know were proposing but

280

00:16:21,870 --> 00:16:18,850

consciousness as something something

281

00:16:24,860 --> 00:16:21,880

greater something that was associated

282

00:16:27,960 --> 00:16:24,870

with what we refer to as the source

283

00:16:31,260 --> 00:16:27,970

however one wants to describe that the

284

00:16:36,360 --> 00:16:31,270

Akashic records the zero-point field the

285

00:16:39,120 --> 00:16:36,370

they T or chi or prana etcetera but

286

00:16:43,620 --> 00:16:39,130

that's a big source with a capital S can

287

00:16:47,190 --> 00:16:43,630

I can I make a comment in here because I

288

00:16:50,190 --> 00:16:47,200

having read some of your of having read

289

00:16:52,800 --> 00:16:50,200

all of molecular memory memories which

290

00:16:55,950 --> 00:16:52,810

is one of your recent books I came to

291

00:16:58,680 --> 00:16:55,960

the conclusion that essentially it

292

00:17:01,740 --> 00:16:58,690

seemed to me what pair did is to take

293

00:17:04,410 --> 00:17:01,750

the statements about the fundamental

294

00:17:07,260 --> 00:17:04,420

issues role of consciousness that have

295

00:17:10,620 --> 00:17:07,270

been made by quantum physicists like Max

296

00:17:13,470 --> 00:17:10,630

Planck and many others and then turn

297

00:17:17,370 --> 00:17:13,480

them into replicable engineering

298

00:17:21,780 --> 00:17:17,380

experiments and I wanted to say that

299

00:17:24,960 --> 00:17:21,790

it's my view that many technicians use

300

00:17:27,419 --> 00:17:24,970

quantum physics for practical ends such

301
00:17:30,030 --> 00:17:27,429
as advanced computers and a lot of the

302
00:17:32,960 --> 00:17:30,040
gadgets we use today but they are very

303
00:17:36,210 --> 00:17:32,970
challenged to comprehend their impact on

304
00:17:40,560 --> 00:17:36,220
4d physical reality and the primacy of

305
00:17:43,919 --> 00:17:40,570
consciousness exactly we often hear the

306
00:17:46,800 --> 00:17:43,929
phrase shut up and calculate referring

307
00:17:49,730 --> 00:17:46,810
to this apparent schism in thought in

308
00:17:51,480 --> 00:17:49,740
the technicians who are mechanistic

309
00:17:54,750 --> 00:17:51,490
materialists but used

310
00:17:58,890 --> 00:17:54,760
want them physics in their work yeah

311
00:18:02,370 --> 00:17:58,900
it's quite correct in fact a fourth book

312
00:18:06,380 --> 00:18:02,380
that we published was called quirks of

313
00:18:09,270 --> 00:18:06,390

the quantum mind it actually described a

314

00:18:12,120 --> 00:18:09,280

one of our theoretical approaches in

315

00:18:16,260 --> 00:18:12,130

which we pointed out that if one looked

316

00:18:20,400 --> 00:18:16,270

closely at the principles underlying

317

00:18:23,100 --> 00:18:20,410

quantum mechanics one could detect in a

318

00:18:27,330 --> 00:18:23,110

sense of rejection of the activated

319

00:18:29,970 --> 00:18:27,340

consciousness and one could draw a very

320

00:18:33,570 --> 00:18:29,980

interesting and fun parallel between

321

00:18:38,190 --> 00:18:33,580

these various various principles or

322

00:18:39,060 --> 00:18:38,200

ideas and the psychology you know of the

323

00:18:42,660 --> 00:18:39,070

human mind

324

00:18:47,130 --> 00:18:42,670

in fact because I had no background

325

00:18:48,660 --> 00:18:47,140

myself in advanced physics I didn't even

326

00:18:50,700 --> 00:18:48,670

have a background in introductory

327

00:18:54,750 --> 00:18:50,710

physics to be frank when we first

328

00:18:57,720 --> 00:18:54,760

started but Bob has suggested that I fit

329

00:19:00,960 --> 00:18:57,730

in on a class he was teaching at a

330

00:19:03,540 --> 00:19:00,970

graduate level on quantum mechanics and

331

00:19:06,960 --> 00:19:03,550

he told me he said don't worry about the

332

00:19:09,570 --> 00:19:06,970

math and you know those various just

333

00:19:13,049 --> 00:19:09,580

listen to the principles the ideas that

334

00:19:16,669 --> 00:19:13,059

are being presented and so I was sitting

335

00:19:20,490 --> 00:19:16,679

in on that class that was comprised of

336

00:19:23,910 --> 00:19:20,500

graduate students mostly engineers or

337

00:19:26,580 --> 00:19:23,920

physicists and one day one of the

338

00:19:30,900 --> 00:19:26,590

students said to me hey aren't you a

339

00:19:33,630 --> 00:19:30,910

psychologist and I said yes and he said

340

00:19:37,080 --> 00:19:33,640

why are you taking a class on quantum

341

00:19:40,049 --> 00:19:37,090

mechanics and I looked at him in mock

342

00:19:43,020 --> 00:19:40,059

amazement and I said quantum mechanics

343

00:19:48,480 --> 00:19:43,030

gosh I thought this was a course on the

344

00:19:52,980 --> 00:19:48,490

psychology of subatomic particles which

345

00:19:56,790 --> 00:19:52,990

in a sense was the idea but when we

346

00:20:00,360 --> 00:19:56,800

first came up with this model or

347

00:20:02,850 --> 00:20:00,370

metaphor if you will we thought it would

348

00:20:05,150 --> 00:20:02,860

be interesting to see what some of the

349

00:20:08,360 --> 00:20:05,160

patriarchs of quantum mechanics

350

00:20:11,510 --> 00:20:08,370

had to say on the topic and we did some

351
00:20:15,920 --> 00:20:11,520
pretty heavy background research looking

352
00:20:17,900 --> 00:20:15,930
at all of their their more philosophical

353
00:20:20,420 --> 00:20:17,910
writings you know not the technical ones

354
00:20:22,610 --> 00:20:20,430
and we looked at the you know the

355
00:20:28,690 --> 00:20:22,620
writings of people like Niels Bohr or

356
00:20:35,600 --> 00:20:33,380
Wolfgang Pauli Albert Einstein a whole

357
00:20:39,110 --> 00:20:35,610
slew I'm probably leaving some out but

358
00:20:41,350 --> 00:20:39,120
to our amazement what we discovered was

359
00:20:43,310 --> 00:20:41,360
that virtually every one of them

360
00:20:45,440 --> 00:20:43,320
acknowledged that what they were looking

361
00:20:49,820 --> 00:20:45,450
at had to involve the role of

362
00:20:52,070 --> 00:20:49,830
consciousness now they came up you know

363
00:20:54,560 --> 00:20:52,080

among them were or when Schrodinger of

364

00:20:58,400 --> 00:20:54,570

the Schrodinger equation that virtually

365

00:21:02,630 --> 00:20:58,410

every physicist and engineer uses in the

366

00:21:05,300 --> 00:21:02,640

course of their daily activities but

367

00:21:08,890 --> 00:21:05,310

although they use the equation none of

368

00:21:11,150 --> 00:21:08,900

them had read any of Schrodinger's

369

00:21:13,550 --> 00:21:11,160

philosophical writings in which he

370

00:21:15,470 --> 00:21:13,560

maintained that what was going on was

371

00:21:19,210 --> 00:21:15,480

consciousness at the activity of

372

00:21:23,450 --> 00:21:19,220

consciousness so anyway we prepared a

373

00:21:25,550 --> 00:21:23,460

very extensive appendix to our book

374

00:21:29,210 --> 00:21:25,560

which I think I mentioned was called

375

00:21:32,170 --> 00:21:29,220

quirks of the quantum mind that relayed

376

00:21:36,200 --> 00:21:32,180

all of these comments by all of these

377

00:21:38,480 --> 00:21:36,210

well-regarded early physicists and the

378

00:21:43,190 --> 00:21:38,490

founders really of quantum mechanical

379

00:21:48,860 --> 00:21:43,200

theory so I think I've kind of gotten

380

00:21:50,030 --> 00:21:48,870

off my track are you were talking oh

381

00:21:53,630 --> 00:21:50,040

that's your book works

382

00:21:55,220 --> 00:21:53,640

yeah well although margins of reality

383

00:21:58,150 --> 00:21:55,230

had originally been published by

384

00:22:01,070 --> 00:21:58,160

Harcourt brace jovanovich

385

00:22:05,690 --> 00:22:01,080

Harcourt went out of business and the

386

00:22:09,680 --> 00:22:05,700

book was going out of print and it was

387

00:22:12,080 --> 00:22:09,690

in about two thousand nine or ten

388

00:22:15,170 --> 00:22:12,090

we spoke with a colleague who was in the

389

00:22:18,580 --> 00:22:15,180

publishing business and he proposed that

390

00:22:24,040 --> 00:22:18,590

we establish a publishing imprint

391

00:22:28,060 --> 00:22:24,050

that we call the IC RL press it's a sub

392

00:22:32,740 --> 00:22:28,070

subsidiary if you will of IC RL and

393

00:22:36,080 --> 00:22:32,750

we've published so far I think 13 books

394

00:22:38,990 --> 00:22:36,090

that deal with various aspects as you

395

00:22:43,220 --> 00:22:39,000

pointed out of consciousness science and

396

00:22:45,970 --> 00:22:43,230

spirituality four of those books are our

397

00:22:48,320 --> 00:22:45,980

own that we mentioned margins

398

00:22:50,630 --> 00:22:48,330

consciousness and the source of reality

399

00:22:54,110 --> 00:22:50,640

quirks of the quantum mind and molecular

400

00:22:57,110 --> 00:22:54,120

memories and in addition to that we've

401
00:23:00,530 --> 00:22:57,120
published a number of other fascinating

402
00:23:05,180 --> 00:23:00,540
books that deal with these topics by

403
00:23:09,260 --> 00:23:05,190
other authors there is a if you or your

404
00:23:14,120 --> 00:23:09,270
listeners go to the IC RL webpage it's

405
00:23:16,220 --> 00:23:14,130
IC RL dot org you can go to IC RL press

406
00:23:19,190 --> 00:23:16,230
and see a catalogue of all of these

407
00:23:21,700 --> 00:23:19,200
books they range from a collection of

408
00:23:26,980 --> 00:23:21,710
creation myths from different cultures

409
00:23:31,820 --> 00:23:26,990
to a review of the philosophy of Spinoza

410
00:23:34,820 --> 00:23:31,830
to essays on the nature of the

411
00:23:40,520 --> 00:23:34,830
relationship of the human mind and that

412
00:23:42,940 --> 00:23:40,530
nature etc a couple of others but

413
00:23:46,250 --> 00:23:42,950

they're all as if I say so myself

414

00:23:49,180 --> 00:23:46,260

fascinating books we have three more at

415

00:23:53,180 --> 00:23:49,190

the moment that are in preparation so

416

00:23:55,310 --> 00:23:53,190

basically we're putting the majority of

417

00:23:58,280 --> 00:23:55,320

our efforts these days into the

418

00:24:02,470 --> 00:23:58,290

publishing area we've stopped doing any

419

00:24:04,370 --> 00:24:02,480

research a couple of years ago it was

420

00:24:06,770 --> 00:24:04,380

getting to the point where there was

421

00:24:08,150 --> 00:24:06,780

really nothing else to say we didn't

422

00:24:10,880 --> 00:24:08,160

want to do more of what we'd already

423

00:24:12,980 --> 00:24:10,890

done that we thought it was more

424

00:24:16,450 --> 00:24:12,990

important to encourage other people to

425

00:24:19,670 --> 00:24:16,460

carry on that work and look in other

426

00:24:21,920 --> 00:24:19,680

dimensions of the phenomena that we were

427

00:24:24,470 --> 00:24:21,930

not able to do while we were at the

428

00:24:26,060 --> 00:24:24,480

University that's what I'm not going to

429

00:24:28,220 --> 00:24:26,070

ask you I mean you've done such

430

00:24:30,200 --> 00:24:28,230

phenomenal groundbreaking work I would

431

00:24:32,230 --> 00:24:30,210

assume that someone was going to pick up

432

00:24:35,029 --> 00:24:32,240

the baton and carry on

433

00:24:37,580 --> 00:24:35,039

yes there are a number of people who

434

00:24:41,000 --> 00:24:37,590

have carried it on we have a couple of

435

00:24:45,409 --> 00:24:41,010

colleagues in Copenhagen who developed a

436

00:24:48,560 --> 00:24:45,419

wonderful art installation that involves

437

00:24:52,009 --> 00:24:48,570

using a random number generator a random

438

00:24:55,759 --> 00:24:52,019

event generator to alternate a picture

439

00:24:57,560 --> 00:24:55,769

with a random noise background and the

440

00:25:00,340 --> 00:24:57,570

viewer would attempt to make the picture

441

00:25:06,200 --> 00:25:00,350

emerge from the from the background

442

00:25:09,049 --> 00:25:06,210

another one in the Netherlands

443

00:25:11,180 --> 00:25:09,059

has developed a program that takes the

444

00:25:14,750 --> 00:25:11,190

output of random event generators and

445

00:25:17,210 --> 00:25:14,760

converts it to musical notes and as you

446

00:25:20,570 --> 00:25:17,220

listen to it you would try to detect or

447

00:25:25,009 --> 00:25:20,580

create music as a military picked up on

448

00:25:27,789 --> 00:25:25,019

any of this oh we've had visits over the

449

00:25:33,889 --> 00:25:27,799

years from people from the government

450

00:25:36,620 --> 00:25:33,899

but we never pardon me we never accepted

451
00:25:38,539 --> 00:25:36,630
any government funding we insisted that

452
00:25:42,799 --> 00:25:38,549
anything we did had to be in the open

453
00:25:49,360 --> 00:25:42,809
literature and our program then and

454
00:25:52,519 --> 00:25:49,370
never now has always been supported by

455
00:25:55,009 --> 00:25:52,529
contributions you know tax deductible

456
00:26:03,620 --> 00:25:55,019
contributions from interested people and

457
00:26:05,990 --> 00:26:03,630
so anthropocentric they haven't really

458
00:26:08,500 --> 00:26:06,000
bothered us much except to occasionally

459
00:26:11,120 --> 00:26:08,510
stop by to find out what we were doing

460
00:26:14,000 --> 00:26:11,130
some we haven't bothered them very much

461
00:26:17,870 --> 00:26:14,010
well that sounds like a wise decision

462
00:26:20,450 --> 00:26:17,880
I wanted to yeah we right go ahead I was

463
00:26:23,810 --> 00:26:20,460

going to say we were not interested in a

464

00:26:25,340 --> 00:26:23,820

gaining notoriety or fame or money I

465

00:26:27,379 --> 00:26:25,350

mean we were doing this just for the

466

00:26:32,810 --> 00:26:27,389

sheer are they of learning something

467

00:26:34,430 --> 00:26:32,820

exciting and new and as long as you know

468

00:26:37,750 --> 00:26:34,440

we had enough support that we could

469

00:26:41,299 --> 00:26:37,760

maintain our staff we had a staff of

470

00:26:43,909 --> 00:26:41,309

varied from maybe five to eight people

471

00:26:45,260 --> 00:26:43,919

at different times who came from

472

00:26:47,630 --> 00:26:45,270

different disciplines from

473

00:26:51,050 --> 00:26:47,640

Engineering from physics from psychology

474

00:26:54,410 --> 00:26:51,060

from medicine who all worked together in

475

00:26:56,870 --> 00:26:54,420

a very small space that we had carved

476

00:26:59,930 --> 00:26:56,880

out in the basement of the engineering

477

00:27:06,470 --> 00:26:59,940

school I'm talking about pair now not IC

478

00:27:10,510 --> 00:27:06,480

RL and it was in fact there's another

479

00:27:13,700 --> 00:27:10,520

cute story I could tell you and that is

480

00:27:15,170 --> 00:27:13,710

when we first started the the laboratory

481

00:27:20,480 --> 00:27:15,180

we didn't have a name for the program

482

00:27:23,300 --> 00:27:20,490

and I believe this is an anecdote that

483

00:27:25,490 --> 00:27:23,310

was in molecular memories we have

484

00:27:29,960 --> 00:27:25,500

thought we were being very clever by

485

00:27:32,690 --> 00:27:29,970

posting a Greeks eye on the door and SCI

486

00:27:37,960 --> 00:27:32,700

is a term that's used you know to

487

00:27:41,510 --> 00:27:37,970

represent psychology to represent

488

00:27:46,520 --> 00:27:41,520

anomalous or psychic phenomena it's also

489

00:27:49,700 --> 00:27:46,530

a very important symbol that is used in

490

00:27:51,560 --> 00:27:49,710

engineering and physics it's at the the

491

00:27:54,950 --> 00:27:51,570

center or the core of the Schrodinger

492

00:27:56,870 --> 00:27:54,960

equation okay so we figured that there

493

00:27:59,350 --> 00:27:56,880

was some interesting correspondence

494

00:28:02,930 --> 00:27:59,360

there we put this Greeks eye on the door

495

00:28:06,020 --> 00:28:02,940

and within a couple of weeks we had two

496

00:28:08,600 --> 00:28:06,030

or three people come by and ask us with

497

00:28:10,970 --> 00:28:08,610

rather frightened looks on their faces

498

00:28:15,830 --> 00:28:10,980

why we had a Devil's pitchfork on the

499

00:28:18,470 --> 00:28:15,840

door we thought this was rather

500

00:28:21,580 --> 00:28:18,480

interesting and from a psychological

501
00:28:26,360 --> 00:28:21,590
perspective maybe telling us more than

502
00:28:29,900 --> 00:28:26,370
they even meant to be telling us but we

503
00:28:33,230 --> 00:28:29,910
took down the thigh with a sigh and we

504
00:28:36,710 --> 00:28:33,240
we put up a poster that had you've

505
00:28:38,930 --> 00:28:36,720
probably seen these it's a picture of a

506
00:28:42,650 --> 00:28:38,940
spiral galaxy with a little arrow that

507
00:28:44,900 --> 00:28:42,660
says you are here oh yeah well one day I

508
00:28:46,970 --> 00:28:44,910
came in the morning and there was some

509
00:28:49,040 --> 00:28:46,980
guy standing there staring at our door

510
00:28:52,490 --> 00:28:49,050
and he looked at me accusingly and said

511
00:28:56,030 --> 00:28:52,500
you know that's not our galaxy ha ha ha

512
00:28:58,040 --> 00:28:56,040
and I said oh thank you for pointing

513
00:28:58,830 --> 00:28:58,050

that out I'd hate to have a misleading

514

00:29:02,340 --> 00:28:58,840

sign

515

00:29:06,630 --> 00:29:02,350

door I ripped it off went inside and

516

00:29:09,060 --> 00:29:06,640

broke up laughing but shortly after that

517

00:29:11,640 --> 00:29:09,070

Bob had suggested we really had to come

518

00:29:13,830 --> 00:29:11,650

up with a name for the program now we

519

00:29:17,910 --> 00:29:13,840

went out to lunch one day and we were

520

00:29:20,610 --> 00:29:17,920

sitting in this little cafe talking

521

00:29:23,220 --> 00:29:20,620

about it and he said what do you think

522

00:29:26,910 --> 00:29:23,230

about the name Princeton engineering

523

00:29:31,230 --> 00:29:26,920

anomalies research and I thought of it

524

00:29:35,970 --> 00:29:31,240

and I said pe8 our pair now that doesn't

525

00:29:37,980 --> 00:29:35,980

grab me meanwhile the waitress came and

526
00:29:39,990 --> 00:29:37,990
brought our lunch and Bob said pass the

527
00:29:42,800 --> 00:29:40,000
salt and I picked up the salt shaker

528
00:29:46,680 --> 00:29:42,810
which turned out to be a pewter pair oh

529
00:29:51,330 --> 00:29:46,690
okay and I said okay you know I still

530
00:29:53,940 --> 00:29:51,340
don't like it and when we finished our

531
00:29:55,890 --> 00:29:53,950
main course the waitress came back can I

532
00:29:57,620 --> 00:29:55,900
interest you folks in some dessert we

533
00:30:00,390 --> 00:29:57,630
had some fresh pear cake

534
00:30:02,750 --> 00:30:00,400
tossing and I said okay I can't I can't

535
00:30:06,980 --> 00:30:02,760
win this one

536
00:30:09,750 --> 00:30:06,990
synchronicity so Paris became and

537
00:30:12,920 --> 00:30:09,760
apparently having a picture of a pear on

538
00:30:17,060 --> 00:30:12,930

the door didn't seem to offend anyone

539

00:30:19,320 --> 00:30:17,070

but but I think it gives an interesting

540

00:30:22,460 --> 00:30:19,330

perspective on the response and

541

00:30:25,380 --> 00:30:22,470

reactions of some of our academic

542

00:30:27,780 --> 00:30:25,390

colleagues and the community there that

543

00:30:33,930 --> 00:30:27,790

though the discomfort that they had with

544

00:30:36,360 --> 00:30:33,940

the program and although to its credit

545

00:30:39,570 --> 00:30:36,370

the university permitted us to continue

546

00:30:42,810 --> 00:30:39,580

with it they were very very careful

547

00:30:44,760 --> 00:30:42,820

about oversight and making sure we

548

00:30:48,660 --> 00:30:44,770

didn't do anything we'll make claims

549

00:30:51,840 --> 00:30:48,670

that were outlandish or too sensational

550

00:30:54,720 --> 00:30:51,850

I think is Bob put it they were worried

551
00:30:57,540 --> 00:30:54,730
about some of their alumni you know

552
00:31:00,150 --> 00:30:57,550
they're the big spender funders I could

553
00:31:02,640 --> 00:31:00,160
get embarrassed and they'd lose money

554
00:31:05,160 --> 00:31:02,650
although curiously most of our major

555
00:31:09,300 --> 00:31:05,170
supporters over the years were Princeton

556
00:31:13,029 --> 00:31:09,310
alumni since the James McDonald Laurance

557
00:31:15,460 --> 00:31:13,039
Rockefeller Donald Webster

558
00:31:17,740 --> 00:31:15,470
and one or two others you know who

559
00:31:20,230 --> 00:31:17,750
supported us privately because they were

560
00:31:22,000 --> 00:31:20,240
interested in what we were doing yeah

561
00:31:24,010 --> 00:31:22,010
Lawrence Rock and Hitler is quite an

562
00:31:26,560 --> 00:31:24,020
interesting fellow from the point of

563
00:31:29,860 --> 00:31:26,570

view of anomalies research since he's

564

00:31:32,140 --> 00:31:29,870

also been extremely interested in the

565

00:31:35,560 --> 00:31:32,150

study of UFOs I point that out simply

566

00:31:38,950 --> 00:31:35,570

because many of our listeners are people

567

00:31:41,560 --> 00:31:38,960

who are interested in what are UFOs in

568

00:31:43,600 --> 00:31:41,570

general so that is that yeah that is

569

00:31:46,899 --> 00:31:43,610

quite interesting I want to bring you

570

00:31:49,600 --> 00:31:46,909

back for a minute to something that I

571

00:31:52,539 --> 00:31:49,610

think that some of our listeners who

572

00:31:54,310 --> 00:31:52,549

aren't of the engineering persuasion

573

00:31:57,519 --> 00:31:54,320

probably need a little more information

574

00:31:59,919 --> 00:31:57,529

on in a very non-technical way you

575

00:32:02,860 --> 00:31:59,929

started to explain it but could you go

576

00:32:05,620 --> 00:32:02,870

back to random number generators and

577

00:32:09,100 --> 00:32:05,630

random event generators and sort of

578

00:32:11,430 --> 00:32:09,110

explain why you know how they work and

579

00:32:14,740 --> 00:32:11,440

and I understand they're still

580

00:32:17,680 --> 00:32:14,750

manufactured today by Siler on I believe

581

00:32:20,289 --> 00:32:17,690

which is an organization or a company

582

00:32:22,810 --> 00:32:20,299

that's sort of related to you're all

583

00:32:26,169 --> 00:32:22,820

there yeah they were that was founded by

584

00:32:31,060 --> 00:32:26,179

some of our former yes colleagues and

585

00:32:32,590 --> 00:32:31,070

students yeah a random event generator

586

00:32:35,350 --> 00:32:32,600

and a random number generator or

587

00:32:37,899 --> 00:32:35,360

basically the same thing okay it's just

588

00:32:40,210 --> 00:32:37,909

that we use the term random event

589

00:32:43,060 --> 00:32:40,220

generator because the devices that we

590

00:32:45,669 --> 00:32:43,070

use didn't technically generate numbers

591

00:32:49,600 --> 00:32:45,679

they generated binary bits ones and

592

00:32:54,549 --> 00:32:49,610

zeros okay and you end up with a string

593

00:32:57,909 --> 00:32:54,559

of random digits ones and zeros one one

594

00:32:59,889 --> 00:32:57,919

zero one zero zero one you know coming

595

00:33:05,049 --> 00:32:59,899

off this thing that the output was

596

00:33:10,720 --> 00:33:05,059

recorded in a computer and on a printed

597

00:33:11,889 --> 00:33:10,730

tape record and they were generated at

598

00:33:14,169 --> 00:33:11,899

varying speeds

599

00:33:17,200 --> 00:33:14,179

most of the data were generated at a

600

00:33:21,360 --> 00:33:17,210

thousand bits per second so they could

601
00:33:24,850 --> 00:33:21,370
generate a lot of data very rapidly and

602
00:33:26,800 --> 00:33:24,860
the the output of the random event

603
00:33:31,180 --> 00:33:26,810
generator the noise

604
00:33:36,640 --> 00:33:31,190
was converted to well as I say a string

605
00:33:41,890 --> 00:33:36,650
of bits and that went through a series

606
00:33:45,970 --> 00:33:41,900
of throw up our processes that counted

607
00:33:48,910 --> 00:33:45,980
and displayed these counts in numerical

608
00:33:51,640 --> 00:33:48,920
form mainly what they were looking at

609
00:33:55,150 --> 00:33:51,650
was the sequences of ones and zeros

610
00:33:58,510 --> 00:33:55,160
which should have been random to see how

611
00:34:01,360 --> 00:33:58,520
many times these bits conformed to a

612
00:34:09,940 --> 00:34:01,370
regular alternation of one zero one zero

613
00:34:15,130 --> 00:34:09,950

one zero okay okay now if by chance you

614

00:34:19,000 --> 00:34:15,140

would expect about 50% of the time to be

615

00:34:22,000 --> 00:34:19,010

a that it would match and so let's say

616

00:34:27,400 --> 00:34:22,010

you had generated a thousand of these

617

00:34:34,169 --> 00:34:27,410

bits you would expect a number of I'm

618

00:34:40,030 --> 00:34:37,150

know it looked at you at a hundred it

619

00:34:42,610 --> 00:34:40,040

looked at strings of a hundreds of 200

620

00:34:44,650 --> 00:34:42,620

of these bits Oh forgive me it's it's

621

00:34:47,680 --> 00:34:44,660

been a couple of years okay not a

622

00:34:50,710 --> 00:34:47,690

brother yeah so you'd have it would look

623

00:34:53,620 --> 00:34:50,720

at a string of 200 bits where it would

624

00:34:57,310 --> 00:34:53,630

expect a hundred matches to all the ones

625

00:35:00,070 --> 00:34:57,320

and zeros and by chance you'd expect a

626
00:35:03,040 --> 00:35:00,080
count of a hundred and people would look

627
00:35:05,860 --> 00:35:03,050
at these numbers coming out at about one

628
00:35:08,310 --> 00:35:05,870
per second and attempt to get more

629
00:35:12,100 --> 00:35:08,320
numbers that were over a hundred or more

630
00:35:15,430 --> 00:35:12,110
numbers that were under a hundred or to

631
00:35:20,050 --> 00:35:15,440
just let it generate these baselines and

632
00:35:24,760 --> 00:35:20,060
what we discovered was over many many

633
00:35:26,560 --> 00:35:24,770
trials there were more numbers above a

634
00:35:29,470 --> 00:35:26,570
hundred when people were trying to give

635
00:35:32,650 --> 00:35:29,480
high numbers and more numbers below when

636
00:35:35,830 --> 00:35:32,660
they were trying to get low numbers the

637
00:35:38,830 --> 00:35:35,840
effects were quite small but over many

638
00:35:39,670 --> 00:35:38,840

many trials they turned out to be

639

00:35:43,050 --> 00:35:39,680

statistic

640

00:35:46,720 --> 00:35:43,060

very unlikely to have occurred by chance

641

00:35:51,400 --> 00:35:46,730

let me give you an example let's say you

642

00:35:54,760 --> 00:35:51,410

flipped ten coins by chance you'd expect

643

00:35:57,400 --> 00:35:54,770

to get five heads right mm-hmm if you

644

00:36:00,790 --> 00:35:57,410

got six heads you wouldn't be overly

645

00:36:03,730 --> 00:36:00,800

impressed but let's say you flip that

646

00:36:04,360 --> 00:36:03,740

coin a hundred times and you got sixty

647

00:36:07,810 --> 00:36:04,370

heads

648

00:36:11,220 --> 00:36:07,820

well that was still only one extra head

649

00:36:14,590 --> 00:36:11,230

you know but it was happening too often

650

00:36:18,220 --> 00:36:14,600

when you did this a thousand times or

651
00:36:20,770 --> 00:36:18,230
ten thousand times and you got six

652
00:36:22,590 --> 00:36:20,780
thousand heads then you were looking at

653
00:36:25,420 --> 00:36:22,600
something that was very unlikely

654
00:36:27,880 --> 00:36:25,430
something was going on there you

655
00:36:30,190 --> 00:36:27,890
couldn't look at any individual number

656
00:36:33,310 --> 00:36:30,200
and tell that it was an anomalous number

657
00:36:39,400 --> 00:36:33,320
the anomaly appeared to be statistical

658
00:36:41,080 --> 00:36:39,410
in nature that is it was as if I'm not

659
00:36:43,990 --> 00:36:41,090
saying this is what happened but it

660
00:36:46,120 --> 00:36:44,000
would be as if somehow or other the

661
00:36:49,840 --> 00:36:46,130
consciousness of the operator was

662
00:36:52,600 --> 00:36:49,850
inserting some component of organization

663
00:36:54,850 --> 00:36:52,610

into this random process making it just

664

00:36:58,090 --> 00:36:54,860

a little less random than it should have

665

00:37:02,080 --> 00:36:58,100

been mm-hmm now I mention this because

666

00:37:05,230 --> 00:37:02,090

as a result of that small effect size

667

00:37:08,530 --> 00:37:05,240

that showed up only statistically over

668

00:37:11,680 --> 00:37:08,540

many many events and other factors that

669

00:37:14,710 --> 00:37:11,690

we discovered for example the fact that

670

00:37:19,090 --> 00:37:14,720

men and women operators tended to

671

00:37:21,400 --> 00:37:19,100

produce different patterns of results we

672

00:37:26,260 --> 00:37:21,410

also found that when we had two people

673

00:37:29,590 --> 00:37:26,270

working together if the two participants

674

00:37:31,540 --> 00:37:29,600

were opposite sex they were getting

675

00:37:34,810 --> 00:37:31,550

results that were about two and a half

676
00:37:37,960 --> 00:37:34,820
times larger than either of them would

677
00:37:40,540 --> 00:37:37,970
get individually if they were of the

678
00:37:44,740 --> 00:37:40,550
same sex the results candid to be just a

679
00:37:49,480 --> 00:37:44,750
chance if they if the opposite sex pairs

680
00:37:53,450 --> 00:37:49,490
were a couple their results tended to be

681
00:37:56,000 --> 00:37:53,460
even stronger something like 77

682
00:37:58,730 --> 00:37:56,010
times as large as what they would get

683
00:38:00,859 --> 00:37:58,740
individually so again this question

684
00:38:05,180 --> 00:38:00,869
comes up what in the world would gender

685
00:38:08,030 --> 00:38:05,190
have to do with this a few other things

686
00:38:11,900 --> 00:38:08,040
that were involved there but it led us

687
00:38:13,960 --> 00:38:11,910
to a hypothesis that we in fact we're

688
00:38:18,319 --> 00:38:13,970

working on a book on this topic that

689

00:38:20,720 --> 00:38:18,329

possibly what we're looking at here that

690

00:38:24,980 --> 00:38:20,730

we're calling consciousness is nothing

691

00:38:28,940 --> 00:38:24,990

more than the life force itself the

692

00:38:31,970 --> 00:38:28,950

process that underlies evolution you

693

00:38:35,299 --> 00:38:31,980

know evolution is a small effect that is

694

00:38:37,700 --> 00:38:35,309

driven by a small alteration of

695

00:38:40,010 --> 00:38:37,710

otherwise random processes you know

696

00:38:44,710 --> 00:38:40,020

genetic recombination and so forth

697

00:38:48,940 --> 00:38:44,720

uh-huh it's also something we're having

698

00:38:52,370 --> 00:38:48,950

male female input seems to enhance the

699

00:38:55,819 --> 00:38:52,380

process of the process one thinks and

700

00:39:03,170 --> 00:38:55,829

and anyway this is a very interesting

701
00:39:05,200 --> 00:39:03,180
area of exploration because most of the

702
00:39:07,760 --> 00:39:05,210
people who have looked at consciousness

703
00:39:10,579 --> 00:39:07,770
have tended to look at it either from

704
00:39:14,030 --> 00:39:10,589
the point of view of psychology or the

705
00:39:18,339 --> 00:39:14,040
point of view of physics okay except

706
00:39:21,740 --> 00:39:18,349
that what's going on here involves

707
00:39:23,530 --> 00:39:21,750
non-local effects both in the remote

708
00:39:26,299 --> 00:39:23,540
perception and in the human-machine

709
00:39:29,240 --> 00:39:26,309
experiments where people could be miles

710
00:39:31,970 --> 00:39:29,250
or even hundreds of miles away from the

711
00:39:34,430 --> 00:39:31,980
machines and still get the same effects

712
00:39:38,120 --> 00:39:34,440
they could even be thinking about the

713
00:39:41,780 --> 00:39:38,130

process the hours or even days before or

714

00:39:45,109 --> 00:39:41,790

after the machine was running it was

715

00:39:47,690 --> 00:39:45,119

clearly a non-local process and that was

716

00:39:50,620 --> 00:39:47,700

not associated with the brain of the

717

00:39:55,599 --> 00:39:50,630

person sitting in front of the machine

718

00:39:59,690 --> 00:39:55,609

the fact that it was non-local defied

719

00:40:03,230 --> 00:39:59,700

the primary tenets of physics namely

720

00:40:05,539 --> 00:40:03,240

that effect should fall off or with

721

00:40:07,970 --> 00:40:05,549

distance they should get weaker as you

722

00:40:11,420 --> 00:40:07,980

got further away

723

00:40:14,060 --> 00:40:11,430

and these results were challenging these

724

00:40:17,660 --> 00:40:14,070

rules of physics the rules of psychology

725

00:40:20,420 --> 00:40:17,670

and it led us to think well if it's not

726

00:40:22,940 --> 00:40:20,430

physics and it's not psychology maybe

727

00:40:27,710 --> 00:40:22,950

it's something that lies in the area of

728

00:40:30,200 --> 00:40:27,720

biology namely evolution okay or as I

729

00:40:33,130 --> 00:40:30,210

said the life force they along the towel

730

00:40:37,580 --> 00:40:33,140

as Bergson called it

731

00:40:41,870 --> 00:40:37,590

so anyway did I explain the process yes

732

00:40:43,940 --> 00:40:41,880

yes you did and I know I was gonna say a

733

00:40:47,030 --> 00:40:43,950

lot of interesting footnotes as well yes

734

00:40:49,250 --> 00:40:47,040

yes I have two kind of questions

735

00:40:53,810 --> 00:40:49,260

corollary questions and we had a

736

00:40:56,450 --> 00:40:53,820

gentleman on here who I know named dr.

737

00:40:58,640 --> 00:40:56,460

ross dunseith who seems to be doing some

738

00:41:03,770 --> 00:40:58,650

similar experiments down at dops

739

00:41:07,400 --> 00:41:03,780

under the subheading of like micro pique

740

00:41:09,349 --> 00:41:07,410

and and so you know how do you feel

741

00:41:12,349 --> 00:41:09,359

about that that's the first question

742

00:41:14,540 --> 00:41:12,359

and the second question is having to do

743

00:41:17,090 --> 00:41:14,550

with bringing these random number

744

00:41:20,660 --> 00:41:17,100

generators out to events which i believe

745

00:41:23,180 --> 00:41:20,670

is something that dr. Roger Nelson who

746

00:41:25,790 --> 00:41:23,190

was expected to be a future guest on

747

00:41:27,050 --> 00:41:25,800

shattered reality the the wonderful dr.

748

00:41:28,730 --> 00:41:27,060

Roger Nelson

749

00:41:31,190 --> 00:41:28,740

he brought things he brought these

750

00:41:36,200 --> 00:41:31,200

random number generators out to events

751

00:41:38,300 --> 00:41:36,210

and and saw a nominal anomalies there so

752

00:41:40,700 --> 00:41:38,310

I wonder if you would if you could talk

753

00:41:43,550 --> 00:41:40,710

to either of those two subjects well the

754

00:41:45,560 --> 00:41:43,560

first question I'm not familiar with

755

00:41:47,210 --> 00:41:45,570

that gentleman's work but I know there

756

00:41:50,450 --> 00:41:47,220

are a lot of people who are doing that

757

00:41:53,180 --> 00:41:50,460

kind of work and finding very similar

758

00:41:57,109 --> 00:41:53,190

results so although I can't speak pro or

759

00:41:58,880 --> 00:41:57,119

con to his particular studies I'm

760

00:42:02,480 --> 00:41:58,890

delighted to know that there are people

761

00:42:04,780 --> 00:42:02,490

you know doing that as far as these the

762

00:42:09,910 --> 00:42:04,790

other this is also a very interesting

763

00:42:13,040 --> 00:42:09,920

aspect of the payer program when our

764

00:42:14,720 --> 00:42:13,050

participants did their thing and we'd

765

00:42:18,740 --> 00:42:14,730

ask them you know what they were feeling

766

00:42:20,720 --> 00:42:18,750

and experiencing most of them said you

767

00:42:23,000 --> 00:42:20,730

know although what you're

768

00:42:25,370 --> 00:42:23,010

and here is the effect of intention

769

00:42:28,579 --> 00:42:25,380

there's more than just having an

770

00:42:32,810 --> 00:42:28,589

intention that's going on here one has

771

00:42:36,380 --> 00:42:32,820

to be resonant with the Machine one has

772

00:42:38,770 --> 00:42:36,390

to have an emotional connection much in

773

00:42:42,079 --> 00:42:38,780

the way a musician might have an

774

00:42:45,650 --> 00:42:42,089

emotional relationship with his in-store

775

00:42:50,359 --> 00:42:45,660

her instrument the way a race car driver

776

00:42:55,250 --> 00:42:50,369

has a bond with his car and so forth

777

00:42:57,560 --> 00:42:55,260

that this emotional thing was important

778

00:42:59,030 --> 00:42:57,570

to them and we said well it's very

779

00:43:02,200 --> 00:42:59,040

difficult to study

780

00:43:05,359 --> 00:43:02,210

you know emotion in a controlled

781

00:43:07,130 --> 00:43:05,369

protocol in the laboratory but what we

782

00:43:10,280 --> 00:43:07,140

could do was we could build these

783

00:43:13,849 --> 00:43:10,290

portable random event generators that

784

00:43:17,200 --> 00:43:13,859

could be taken out into the field this

785

00:43:21,349 --> 00:43:17,210

we we call this experiment field rig

786

00:43:23,900 --> 00:43:21,359

field or EEG which has a double entendre

787

00:43:27,349 --> 00:43:23,910

the field being you know out in the

788

00:43:31,790 --> 00:43:27,359

field and also being some help picking

789

00:43:33,829 --> 00:43:31,800

up some kind of emotional field and we

790

00:43:37,460 --> 00:43:33,839

would take these devices to different

791

00:43:41,470 --> 00:43:37,470

environments that might have a

792

00:43:44,390 --> 00:43:41,480

possibility of generating a strong

793

00:43:47,329 --> 00:43:44,400

emotional resonance among the

794

00:43:49,700 --> 00:43:47,339

participants it might be a prayer

795

00:43:52,790 --> 00:43:49,710

meeting it might be a meditation group

796

00:43:56,349 --> 00:43:52,800

it might be a concert but some place

797

00:43:59,290 --> 00:43:56,359

where there's a group of people who are

798

00:44:02,270 --> 00:43:59,300

if you will all on the same wavelength

799

00:44:05,480 --> 00:44:02,280

most of us have experienced that kind of

800

00:44:07,609 --> 00:44:05,490

thing or I hope we have it's really

801
00:44:09,710 --> 00:44:07,619
quite a transcendent experience where

802
00:44:13,309 --> 00:44:09,720
you feel like you're just part of

803
00:44:15,230 --> 00:44:13,319
something bigger you're no longer

804
00:44:19,160 --> 00:44:15,240
functioning as an individual but as a

805
00:44:21,260 --> 00:44:19,170
collective and we discovered that the

806
00:44:23,740 --> 00:44:21,270
random event generators which were just

807
00:44:26,960 --> 00:44:23,750
running unobserved in the background

808
00:44:30,230 --> 00:44:26,970
we're producing more ordered outputs

809
00:44:35,640 --> 00:44:30,240
during these periods where people did

810
00:44:38,820 --> 00:44:35,650
have this subjective feeling of of

811
00:44:41,490 --> 00:44:38,830
as opposed to when we brought it into

812
00:44:44,100 --> 00:44:41,500
more mundane environments maybe a

813
00:44:47,910 --> 00:44:44,110

lecture hall or maybe a board meeting or

814

00:44:51,570 --> 00:44:47,920

you know where nothing would show up now

815

00:44:56,220 --> 00:44:51,580

Roger Nelson who was working with us on

816

00:44:59,120 --> 00:44:56,230

this project became very intrigued by

817

00:45:03,180 --> 00:44:59,130

this and wanted to take it further and

818

00:45:07,250 --> 00:45:03,190

he developed this program he calls the

819

00:45:12,140 --> 00:45:07,260

global consciousness Network which

820

00:45:19,050 --> 00:45:15,450

situated all over the world all over the

821

00:45:21,180 --> 00:45:19,060

planet I think last time I heard it was

822

00:45:23,910 --> 00:45:21,190

something on the order of 60 or 70 of

823

00:45:26,220 --> 00:45:23,920

these devices well all of which would be

824

00:45:29,870 --> 00:45:26,230

generating these random outputs

825

00:45:34,800 --> 00:45:29,880

continuously into a dedicated server and

826

00:45:40,070 --> 00:45:34,810

then if they would be time and date

827

00:45:45,859 --> 00:45:40,080

marked and during periods of strong

828

00:45:57,000 --> 00:45:45,869

global emotion there were significant

829

00:45:59,070 --> 00:45:57,010

again and increases in the the or should

830

00:46:02,849 --> 00:45:59,080

we say decreases in the randomness city

831

00:46:05,910 --> 00:46:02,859

okay he's done this he has some results

832

00:46:10,410 --> 00:46:05,920

his a global consciousness Network you

833

00:46:12,660 --> 00:46:10,420

can also look that up on the Internet

834

00:46:15,300 --> 00:46:12,670

and he describes hundreds of these

835

00:46:19,290 --> 00:46:15,310

trials with amazingly significant

836

00:46:23,280 --> 00:46:19,300

results one of the more well-known one

837

00:46:27,230 --> 00:46:23,290

was the output that occurred just before

838

00:46:34,099 --> 00:46:27,240

and during the 9/11 attacks in New York

839

00:46:40,530 --> 00:46:34,109

way back when Princess Diana's funeral

840

00:46:43,440 --> 00:46:40,540

that Barack Obama's election there was

841

00:46:45,960 --> 00:46:43,450

none for the most recent election to the

842

00:46:47,610 --> 00:46:45,970

best of my knowledge that I don't think

843

00:46:50,850 --> 00:46:47,620

would you this

844

00:46:54,900 --> 00:46:50,860

if he qualify as a resonant experience

845

00:46:57,180 --> 00:46:54,910

for most people well his his work is

846

00:47:00,420 --> 00:46:57,190

really really fascinating and we are

847

00:47:04,890 --> 00:47:00,430

hoping to have him on at sometime in the

848

00:47:06,510 --> 00:47:04,900

fall I want to I think you'd find it I

849

00:47:09,060 --> 00:47:06,520

think your listeners would find it

850

00:47:12,680 --> 00:47:09,070

fascinating it's really exciting stuff

851

00:47:15,810 --> 00:47:12,690

but again it's giving evidence for this

852

00:47:19,650 --> 00:47:15,820

non-local consciousness as an ordering

853

00:47:21,000 --> 00:47:19,660

principle yes and that's the key to the

854

00:47:24,000 --> 00:47:21,010

whole thing as far as we're concerned

855

00:47:28,920 --> 00:47:24,010

we're looking at some primordial

856

00:47:31,050 --> 00:47:28,930

ordering principle that effects life at

857

00:47:34,350 --> 00:47:31,060

least and probably probably all of

858

00:47:36,930 --> 00:47:34,360

nature in some way I mean if you're

859

00:47:40,320 --> 00:47:36,940

willing to concede that consciousness

860

00:47:45,270 --> 00:47:40,330

goes beyond just human experience

861

00:47:48,210 --> 00:47:45,280

absolutely am i feeling entirely you

862

00:47:50,880 --> 00:47:48,220

know to run one of these experiments

863

00:47:55,790 --> 00:47:50,890

alongside artificial intelligence and

864

00:47:58,350 --> 00:47:55,800

see if that I developed its own sense

865

00:48:00,060 --> 00:47:58,360

and would be interesting I don't know of

866

00:48:02,730 --> 00:48:00,070

anyone who's doing that but it would be

867

00:48:04,800 --> 00:48:02,740

a very interesting thing to study I know

868

00:48:10,620 --> 00:48:04,810

that Michio Kaku

869

00:48:15,570 --> 00:48:10,630

I heard him recently speaking about how

870

00:48:20,610 --> 00:48:15,580

to tell if artificial intelligence had

871

00:48:24,480 --> 00:48:20,620

gained self consciousness and it it he

872

00:48:28,500 --> 00:48:24,490

was speaking about putting a a bit into

873

00:48:32,190 --> 00:48:28,510

the brain or memory of this artificial

874

00:48:33,930 --> 00:48:32,200

intelligence that would shut it down if

875

00:48:38,010 --> 00:48:33,940

it started to have murderous thoughts

876

00:48:41,130 --> 00:48:38,020

about humans well I thought that was a

877

00:48:48,180 --> 00:48:41,140

rather novel I'm not familiar with that

878

00:48:51,510 --> 00:48:48,190

my own feeling on that is I could go

879

00:48:57,560 --> 00:48:51,520

back to a quote by oh god what's the guy

880

00:49:01,109 --> 00:48:57,570

who oh one of the early founders of

881

00:49:05,370 --> 00:49:01,119

computers a touring touring touring

882

00:49:07,649 --> 00:49:05,380

once was asked whether how weather how

883

00:49:09,809 --> 00:49:07,659

you could tell whether it artificial

884

00:49:13,620 --> 00:49:09,819

intelligence you know machine was

885

00:49:16,589 --> 00:49:13,630

conscious and his response was when you

886

00:49:21,979 --> 00:49:16,599

typed in a statement and the machine

887

00:49:31,469 --> 00:49:27,739

from from my perspective and dr. Jones

888

00:49:34,380 --> 00:49:31,479

and based on what we have seen from our

889

00:49:36,599 --> 00:49:34,390

research there's more than intention

890

00:49:39,109 --> 00:49:36,609

there's more than a quantitative process

891

00:49:43,709 --> 00:49:39,119

going on here there is this emotional

892

00:49:45,719 --> 00:49:43,719

component of resonance and until a

893

00:49:48,509 --> 00:49:45,729

computer can develop that kind of

894

00:49:53,359 --> 00:49:51,059

you know feature I don't think it has

895

00:49:58,229 --> 00:49:53,369

any chance of having real intelligence

896

00:50:00,149 --> 00:49:58,239

well it's not an opinion it's its

897

00:50:05,519 --> 00:50:00,159

opinion there's also a Syrian you

898

00:50:07,679 --> 00:50:05,529

ufology to where I mean for Bill and I

899

00:50:10,289 --> 00:50:07,689

used to kid around about the soul

900

00:50:13,859 --> 00:50:10,299

sucking vampires from outer space but

901
00:50:17,130 --> 00:50:13,869
that a lot of the little greys are

902
00:50:20,789 --> 00:50:17,140
supposedly just robotic Android type

903
00:50:23,309 --> 00:50:20,799
figures and really have no sense of

904
00:50:25,079 --> 00:50:23,319
being alive and that's why they've come

905
00:50:27,569 --> 00:50:25,089
to earth and that's why they're studied

906
00:50:29,849 --> 00:50:27,579
in humans like they just don't they just

907
00:50:31,679 --> 00:50:29,859
don't get it you know they can we tell

908
00:50:34,259 --> 00:50:31,689
you the frequency of the various shades

909
00:50:36,709 --> 00:50:34,269
of blue but they can't tell right why

910
00:50:38,489 --> 00:50:36,719
they like one shade over another and

911
00:50:41,309 --> 00:50:38,499
right and they don't they don't

912
00:50:46,249 --> 00:50:41,319
understand concepts like love or beauty

913
00:50:50,249 --> 00:50:46,259

or joy they say you know these words

914

00:50:54,419 --> 00:50:50,259

these are human and perhaps animal or

915

00:50:57,179 --> 00:50:54,429

even plant capabilities I mean

916

00:51:00,479 --> 00:50:57,189

definitely under me people talk to

917

00:51:03,719 --> 00:51:00,489

plants that I know my I have a couple of

918

00:51:06,779 --> 00:51:03,729

tech cats mm-hmm they they communicate

919

00:51:11,370 --> 00:51:06,789

not only with each other but with me you

920

00:51:13,079 --> 00:51:11,380

know and I've had in our book let me let

921

00:51:15,560 --> 00:51:13,089

me turn for a moment to molecular

922

00:51:15,560 --> 00:51:15,570

memories

923

00:51:20,190 --> 00:51:17,720

after we finished publishing

924

00:51:22,500 --> 00:51:20,200

consciousness on the source of reality a

925

00:51:25,020 --> 00:51:22,510

number of our friends and colleagues

926
00:51:27,900 --> 00:51:25,030
said you know you've written some good

927
00:51:30,900 --> 00:51:27,910
books describing your research but

928
00:51:33,740 --> 00:51:30,910
nobody will ever understand the real

929
00:51:37,080 --> 00:51:33,750
essence underlying the pair research

930
00:51:40,490 --> 00:51:37,090
unless they understand the strange and

931
00:51:42,810 --> 00:51:40,500
wonderful dynamic between human Bob John

932
00:51:46,530 --> 00:51:42,820
you really ought to write a book about

933
00:51:50,250 --> 00:51:46,540
that and that was what we did a year or

934
00:51:51,960 --> 00:51:50,260
two ago it's a book that has it was a

935
00:51:56,250 --> 00:51:51,970
wonderful book to write it has no

936
00:51:59,490 --> 00:51:56,260
equations no tables no you know it has

937
00:52:02,690 --> 00:51:59,500
some fun pictures yes basically it's the

938
00:52:06,300 --> 00:52:02,700

story of two people who really come from

939

00:52:08,850 --> 00:52:06,310

- almost two different universes okay

940

00:52:11,550 --> 00:52:08,860

I'm very little in common in the

941

00:52:19,320 --> 00:52:11,560

ordinary sense of the term but who

942

00:52:22,950 --> 00:52:19,330

shared a vision who respected and you

943

00:52:25,470 --> 00:52:22,960

know learned from each other and how

944

00:52:30,590 --> 00:52:25,480

somehow or other in the dynamic between

945

00:52:33,780 --> 00:52:30,600

the two of us how much as in you know a

946

00:52:37,410 --> 00:52:33,790

molecular configuration where you have

947

00:52:40,230 --> 00:52:37,420

two separate atoms that when they come

948

00:52:42,330 --> 00:52:40,240

together and form a molecule it turns

949

00:52:44,910 --> 00:52:42,340

out that the molecule has different

950

00:52:47,400 --> 00:52:44,920

characteristics than the individual

951
00:52:51,480 --> 00:52:47,410
atoms I mean look at water it's made up

952
00:52:53,280 --> 00:52:51,490
of oxygen and hydrogen but no matter how

953
00:52:56,600 --> 00:52:53,290
hard you look at oxygen or hydrogen

954
00:52:59,040 --> 00:52:56,610
you're not going to come up with water

955
00:53:01,830 --> 00:52:59,050
there's something that's going on here

956
00:53:05,460 --> 00:53:01,840
that unifies that in the relationship

957
00:53:10,230 --> 00:53:05,470
the dynamic of the interaction something

958
00:53:13,170 --> 00:53:10,240
special and unique happens and we also

959
00:53:16,740 --> 00:53:13,180
used to joke that Bob and I were almost

960
00:53:21,480 --> 00:53:16,750
like AES example of the wave particle

961
00:53:26,100 --> 00:53:21,490
duality yes I love that yeah he was very

962
00:53:27,670 --> 00:53:26,110
much the particle he was very precise

963
00:53:31,420 --> 00:53:27,680

about position

964

00:53:33,430 --> 00:53:31,430

and time and quantitative measurements

965

00:53:37,390 --> 00:53:33,440

and you know basically I mean he was an

966

00:53:41,230 --> 00:53:37,400

engineer okay and a physicist I was not

967

00:53:43,720 --> 00:53:41,240

I was more of a molecule and just as a

968

00:53:47,319 --> 00:53:43,730

part particle deals with position and

969

00:53:51,309 --> 00:53:47,329

momentum a wave deals with resonance

970

00:53:53,349 --> 00:53:51,319

with frequencies and amplitudes I'm good

971

00:53:55,530 --> 00:53:53,359

at frequencies and amplitudes but I get

972

00:54:00,430 --> 00:53:55,540

lost

973

00:54:04,329 --> 00:54:00,440

yeah but but it is really again this

974

00:54:07,089 --> 00:54:04,339

this complementarity of the two of us

975

00:54:09,490 --> 00:54:07,099

that made the the program what it was

976

00:54:13,180 --> 00:54:09,500

and the book describes a number of

977

00:54:16,240 --> 00:54:13,190

interesting anecdotes and little stories

978

00:54:18,760 --> 00:54:16,250

about our adventures together it's

979

00:54:21,190 --> 00:54:18,770

wonderful noting I might add some some

980

00:54:27,520 --> 00:54:21,200

of some wonderful experiences we had in

981

00:54:29,710 --> 00:54:27,530

interactions with animals and but I I

982

00:54:32,200 --> 00:54:29,720

can't you know tell you or your

983

00:54:33,819 --> 00:54:32,210

listeners that all the stories in the

984

00:54:36,160 --> 00:54:33,829

book but it's a fun read it is a

985

00:54:38,589 --> 00:54:36,170

wonderful book and I highly recommend it

986

00:54:41,559 --> 00:54:38,599

I just want to mention that I I do

987

00:54:44,109 --> 00:54:41,569

highly recommend the book I wanted to

988

00:54:49,059 --> 00:54:44,119

just the title that's not molecular

989

00:54:53,200 --> 00:54:49,069

molecular I thought it was a different

990

00:54:55,809 --> 00:54:53,210

book in addition to that no yeah it was

991

00:54:57,430 --> 00:54:55,819

published by the ICR Oprah's and that

992

00:55:01,750 --> 00:54:57,440

and all of our books are available

993

00:55:07,390 --> 00:55:01,760

online through either Amazon or Barnes &

994

00:55:10,870 --> 00:55:07,400

Noble so ok as I say you can you can go

995

00:55:12,880 --> 00:55:10,880

to IC RL dot org look up you know click

996

00:55:15,579 --> 00:55:12,890

on IC RL press and look at the whole

997

00:55:18,400 --> 00:55:15,589

list of books and you can order them

998

00:55:19,900 --> 00:55:18,410

from there but they they describe you

999

00:55:24,280 --> 00:55:19,910

know give a little description of what

1000

00:55:26,740 --> 00:55:24,290

the books are as for me at this point in

1001

00:55:31,240 --> 00:55:26,750

my life I'm kind of glad to be out of

1002

00:55:33,849 --> 00:55:31,250

the science business and and I'm very

1003

00:55:36,849 --> 00:55:33,859

much enjoying being in the publishing

1004

00:55:39,690 --> 00:55:36,859

business where it's really yeah you know

1005

00:55:41,829 --> 00:55:39,700

it's a whole new thing for me and a

1006

00:55:44,799 --> 00:55:41,839

chance to

1007

00:55:48,430 --> 00:55:44,809

to learn you know from many different

1008

00:55:51,339 --> 00:55:48,440

perspectives different voices and

1009

00:55:54,190 --> 00:55:51,349

looking at different different ways of

1010

00:55:56,859 --> 00:55:54,200

looking at reality and looking for the

1011

00:56:01,029 --> 00:55:56,869

commonalities across all of these

1012

00:56:02,380 --> 00:56:01,039

different domains so as I say that

1013

00:56:05,799 --> 00:56:02,390

that's where I'm at

1014

00:56:09,789 --> 00:56:05,809

in this era of my life now that you know

1015

00:56:12,730 --> 00:56:09,799

I've we've retired from pair I'd I just

1016

00:56:16,779 --> 00:56:12,740

want to say what a wonderful thrill it

1017

00:56:20,410 --> 00:56:16,789

was for me to meet you and dr. Robert

1018

00:56:24,009 --> 00:56:20,420

John for the first time at the recent

1019

00:56:25,930 --> 00:56:24,019

SSE symposium up in Yale which is where

1020

00:56:31,269 --> 00:56:25,940

I made your acquaintance

1021

00:56:35,980 --> 00:56:31,279

and so at this and and you gave an

1022

00:56:41,799 --> 00:56:35,990

address to for the Founders Award which

1023

00:56:43,989 --> 00:56:41,809

was given to dr. John well that was last

1024

00:56:45,849 --> 00:56:43,999

year and this year they gave it to me

1025

00:56:48,609 --> 00:56:45,859

they gave it to you I'm sorry I got

1026
00:56:51,249 --> 00:56:48,619
confused there yeah well let me put in a

1027
00:56:55,420 --> 00:56:51,259
little plug if I may for the Society for

1028
00:56:57,460 --> 00:56:55,430
scientific exploration or sse and again

1029
00:57:02,099 --> 00:56:57,470
their website is scientific like

1030
00:57:07,029 --> 00:57:02,109
exploration org but sse was established

1031
00:57:09,970 --> 00:57:07,039
not long after pair was by a handful of

1032
00:57:13,180 --> 00:57:09,980
scholars who were interested in topics

1033
00:57:17,470 --> 00:57:13,190
that lay outside of traditional science

1034
00:57:19,839 --> 00:57:17,480
and who were finding a very skeptical or

1035
00:57:22,239 --> 00:57:19,849
negative response to their interests

1036
00:57:23,799 --> 00:57:22,249
among their colleagues they were having

1037
00:57:27,339 --> 00:57:23,809
difficult I mean these were people who

1038
00:57:31,329 --> 00:57:27,349

were interested in things like psychic

1039

00:57:36,120 --> 00:57:31,339

phenomena UFOs out-of-body experiences

1040

00:57:39,789 --> 00:57:36,130

and your death experiences reincarnation

1041

00:57:43,829 --> 00:57:39,799

homeopathy you know it's a whole broad

1042

00:57:52,329 --> 00:57:45,910

cryptozoology you know the search for a

1043

00:57:54,769 --> 00:57:52,339

Bigfoot and and such and they decided

1044

00:57:57,140 --> 00:57:54,779

that since they could not get a

1045

00:57:58,599 --> 00:57:57,150

hearing from their professional

1046

00:58:01,729 --> 00:57:58,609

colleagues they would start their own

1047

00:58:05,149 --> 00:58:01,739

organization so FF II became a

1048

00:58:07,609 --> 00:58:05,159

professional society for the

1049

00:58:10,699 --> 00:58:07,619

presentation and sharing of research

1050

00:58:14,659 --> 00:58:10,709

that was going on in these fields that

1051

00:58:17,329 --> 00:58:14,669

lay sort of outside the mainstream this

1052

00:58:20,049 --> 00:58:17,339

is sorry I'm not quite sure I think this

1053

00:58:25,159 --> 00:58:20,059

last meeting was something like its 35th

1054

00:58:29,239 --> 00:58:25,169

annual meeting but both Bob and I were

1055

00:58:33,199 --> 00:58:29,249

active from the beginning in sse helping

1056

00:58:35,149 --> 00:58:33,209

to organize meetings we that we have a

1057

00:58:38,449 --> 00:58:35,159

journal the Journal of scientific

1058

00:58:40,989 --> 00:58:38,459

exploration that comes out quarterly

1059

00:58:45,999 --> 00:58:40,999

it's a refereed journal that it presents

1060

00:58:50,989 --> 00:58:46,009

good research in you know many of these

1061

00:58:53,029 --> 00:58:50,999

renegade heretical areas and it's very

1062

00:58:56,390 --> 00:58:53,039

interesting it also publishes a magazine

1063

00:58:58,759 --> 00:58:56,400

called edge science that's not quite as

1064

00:59:03,069 --> 00:58:58,769

technical but has some interesting

1065

00:59:07,219 --> 00:59:03,079

essays on on topics of this sort

1066

00:59:09,979 --> 00:59:07,229

alternative energy oh I can't even think

1067

00:59:11,959 --> 00:59:09,989

of you know all the topics but if you

1068

00:59:15,109 --> 00:59:11,969

can think of the topic that's outside

1069

00:59:19,249 --> 00:59:15,119

the mainstream it's inside sfe indeed it

1070

00:59:21,799 --> 00:59:19,259

is and you know ssee

1071

00:59:24,049 --> 00:59:21,809

encourages people to join as members or

1072

00:59:26,089 --> 00:59:24,059

associates so that you get a

1073

00:59:30,130 --> 00:59:26,099

subscription to the journal invitations

1074

00:59:32,569 --> 00:59:30,140

to the meetings and as you probably

1075

00:59:35,839 --> 00:59:32,579

gathered from your own experience these

1076

00:59:38,509 --> 00:59:35,849

meetings are fascinating not only are

1077

00:59:41,149 --> 00:59:38,519

the presentations interesting and

1078

00:59:44,539 --> 00:59:41,159

stimulating but the dynamic is wonderful

1079

00:59:48,049 --> 00:59:44,549

you have a bunch of of outcasts if you

1080

00:59:51,789 --> 00:59:48,059

will who come together and huddle for

1081

00:59:54,919 --> 00:59:51,799

warmth with others you know who have

1082

00:59:59,589 --> 00:59:54,929

experienced that kind of rejection and

1083

01:00:01,999 --> 00:59:59,599

it lends itself to a very warm community

1084

01:00:04,059 --> 01:00:02,009

you know it's that it's always good to

1085

01:00:07,579 --> 01:00:04,069

go you know and see one's friends

1086

01:00:08,630 --> 01:00:07,589

absolutely I observed in my talk this

1087

01:00:11,390 --> 01:00:08,640

year

1088

01:00:13,490 --> 01:00:11,400

it's great to see you know familiar

1089

01:00:18,650 --> 01:00:13,500

faces although so many of them have now

1090

01:00:22,370 --> 01:00:18,660

great the years have gone by myself

1091

01:00:25,700 --> 01:00:22,380

included but it is it is a great

1092

01:00:27,950 --> 01:00:25,710

organization and for people interested

1093

01:00:30,580 --> 01:00:27,960

in topics such as those you cover in

1094

01:00:32,990 --> 01:00:30,590

your broadcasts I think this would be a

1095

01:00:34,940 --> 01:00:33,000

society that they might be interested in

1096

01:00:37,220 --> 01:00:34,950

joining absolutely anyway that's my

1097

01:00:39,890 --> 01:00:37,230

that's my plug but you know you don't

1098

01:00:42,610 --> 01:00:39,900

have to plug it to us personally because

1099

01:00:46,490 --> 01:00:42,620

both Kate Valentine and myself are

1100

01:00:49,040 --> 01:00:46,500

associate members of the SS good but and

1101

01:00:51,920 --> 01:00:49,050

we have as you may know from the flyer

1102

01:00:55,430 --> 01:00:51,930

which I gave you at the SSE that we have

1103

01:01:00,680 --> 01:00:55,440

had any number of SSE members as guests

1104

01:01:03,250 --> 01:01:00,690

already and plan to have more if you

1105

01:01:06,890 --> 01:01:03,260

have incidentally if you haven't

1106

01:01:09,830 --> 01:01:06,900

approached William Bengston who is the

1107

01:01:12,260 --> 01:01:09,840

president of SSC he might be an

1108

01:01:15,410 --> 01:01:12,270

interesting person to talk to also he

1109

01:01:20,590 --> 01:01:15,420

has done some incredible research on

1110

01:01:23,570 --> 01:01:20,600

healing with particularly using mice and

1111

01:01:26,930 --> 01:01:23,580

using you know no medication or anything

1112

01:01:34,640 --> 01:01:26,940

just through pure consciousness been

1113

01:01:36,920 --> 01:01:34,650

able to cause cancers to disappear

1114

01:01:39,950 --> 01:01:36,930

what's the word I'm looking for

1115

01:01:41,210 --> 01:01:39,960

total remission permission remiss thank

1116

01:01:44,390 --> 01:01:41,220

you

1117

01:01:48,260 --> 01:01:44,400

yeah doctor Bengston is a very very

1118

01:01:50,570 --> 01:01:48,270

interesting person and certainly known

1119

01:01:55,220 --> 01:01:50,580

to us and we will certainly consider

1120

01:01:58,940 --> 01:01:55,230

that idea and we do have coming up we

1121

01:02:01,910 --> 01:01:58,950

hope dr. Roger Nelson and dr. Edie Kelly

1122

01:02:05,000 --> 01:02:01,920

two other members but we're going to

1123

01:02:08,570 --> 01:02:05,010

have to wind it down for today but

1124

01:02:10,220 --> 01:02:08,580

before we go I wanted to I had asked you

1125

01:02:13,520 --> 01:02:10,230

beforehand if you wanted to stick around

1126

01:02:17,630 --> 01:02:13,530

for the story that I wanted to tell

1127

01:02:22,070 --> 01:02:17,640

about what happened to me

1128

01:02:25,910 --> 01:02:22,080

prior to this recent SST meeting up in

1129

01:02:28,010 --> 01:02:25,920

and then during a little walk we took so

1130

01:02:32,150 --> 01:02:28,020

if you don't mind I'm going to tell that

1131

01:02:33,440 --> 01:02:32,160

story right now and I'd be delighted to

1132

01:02:37,490 --> 01:02:33,450

hear it okay

1133

01:02:40,040 --> 01:02:37,500

what let me at least say since we're

1134

01:02:41,990 --> 01:02:40,050

going to move on to another topic I want

1135

01:02:44,720 --> 01:02:42,000

to thank you for the opportunity to

1136

01:02:49,340 --> 01:02:44,730

share some of my experiences with your

1137

01:02:53,210 --> 01:02:49,350

your listeners and you know to invite me

1138

01:02:55,460 --> 01:02:53,220

to participate in this program and it's

1139

01:02:57,710 --> 01:02:55,470

just a pleasure for me and it's a

1140

01:03:00,200 --> 01:02:57,720

pleasure to get to know you well thank

1141

01:03:03,260 --> 01:03:00,210

you so much it's going to say oh yeah

1142

01:03:07,760 --> 01:03:03,270

really thank you for honor our honor to

1143

01:03:13,460 --> 01:03:07,770

to have you have you on the program in

1144

01:03:16,430 --> 01:03:13,470

any case just briefly - we have a sound

1145

01:03:19,580 --> 01:03:16,440

here that's okay it's not an EVP it's

1146

01:03:24,590 --> 01:03:19,590

just a phone it's a phone okay

1147

01:03:28,610 --> 01:03:24,600

so prior to attending the meeting at

1148

01:03:31,610 --> 01:03:28,620

Yale I was in Rhode Island and the last

1149

01:03:35,120 --> 01:03:31,620

night that I was in Rhode Island I had a

1150

01:03:41,600 --> 01:03:35,130

dream and in my dream I was walking down

1151

01:03:43,820 --> 01:03:41,610

a curved a sidewalk or a path a path

1152

01:03:46,880 --> 01:03:43,830

that was fairly well traversed not a

1153

01:03:49,220 --> 01:03:46,890

path in the woods and it was a curved

1154

01:03:52,400 --> 01:03:49,230

path and I was walking down this path

1155

01:03:56,810 --> 01:03:52,410

and somebody was standing on my left

1156

01:04:00,290 --> 01:03:56,820

side slightly behind me and I saw a

1157

01:04:05,150 --> 01:04:00,300

woman with a little dog in my dream and

1158

01:04:08,720 --> 01:04:05,160

this woman a you know was was was

1159

01:04:13,550 --> 01:04:08,730

walking the dog toward me and I said to

1160

01:04:15,350 --> 01:04:13,560

my I said to my companion who was on the

1161

01:04:17,900 --> 01:04:15,360

left slightly behind me

1162

01:04:20,570 --> 01:04:17,910

gee that dog looks like a miniature

1163

01:04:23,870 --> 01:04:20,580

German Shepherd and I wonder if that's

1164

01:04:26,120 --> 01:04:23,880

the kind of dog I should get and that

1165

01:04:27,920 --> 01:04:26,130

was kind of the beginning in the end of

1166

01:04:31,070 --> 01:04:27,930

the dream that was a the light was

1167

01:04:32,780 --> 01:04:31,080

golden there was a friend on my my I'm

1168

01:04:34,120 --> 01:04:32,790

sorry on my right side I did say on my

1169

01:04:36,520 --> 01:04:34,130

left on my rights

1170

01:04:39,280 --> 01:04:36,530

and I made this comment about a

1171

01:04:40,870 --> 01:04:39,290

miniature German Shepherd and I thought

1172

01:04:44,320 --> 01:04:40,880

about this dream I thought how unusual

1173

01:04:47,620 --> 01:04:44,330

it was and I made note of it because I

1174

01:04:52,480 --> 01:04:47,630

keep a dream diary well the next night

1175

01:04:55,630 --> 01:04:52,490

was my first night at the at the Yale

1176

01:04:59,590 --> 01:04:55,640

facility and I had reason to call up my

1177

01:05:02,800 --> 01:04:59,600

my co-conspirator miss Kate Valentine

1178

01:05:05,050 --> 01:05:02,810

here's man I because we often talk about

1179

01:05:06,910 --> 01:05:05,060

animals we're both animal lovers and we

1180

01:05:09,930 --> 01:05:06,920

and I've spoken to her before about how

1181

01:05:13,480 --> 01:05:09,940

much I'd like to have a dog and so I

1182

01:05:15,970 --> 01:05:13,490

said to her I told her about my dream

1183

01:05:19,210 --> 01:05:15,980

and I said that I thought she might have

1184

01:05:20,680 --> 01:05:19,220

been the person on my right behind me

1185

01:05:21,490 --> 01:05:20,690

because of the fact we always talk about

1186

01:05:24,610 --> 01:05:21,500

dogs

1187

01:05:26,650 --> 01:05:24,620

well her comment to me was that as far

1188

01:05:28,270 --> 01:05:26,660

as she knew there was no miniature

1189

01:05:30,310 --> 01:05:28,280

German Shepherd but there were a lot of

1190

01:05:32,590 --> 01:05:30,320

nice mixed breed dogs who might look

1191

01:05:35,140 --> 01:05:32,600

like a miniature German Shepherd and I

1192

01:05:37,150 --> 01:05:35,150

said hey Kate that's cool and we moved

1193

01:05:40,540 --> 01:05:37,160

on to other stuff but I did explain to

1194

01:05:45,270 --> 01:05:40,550

her my dream in just oh yeah I verify it

1195

01:05:49,450 --> 01:05:45,280

ok good so then the day after that night

1196

01:05:53,500 --> 01:05:49,460

I was at the yale dining hall dining

1197

01:05:58,270 --> 01:05:53,510

with a group of people who included my

1198

01:06:02,430 --> 01:05:58,280

friend mike turner who also had part in

1199

01:06:05,140 --> 01:06:02,440

the experiments that a doctor bill

1200

01:06:06,630 --> 01:06:05,150

Bankston made with the mice etcetera I

1201

01:06:09,760 --> 01:06:06,640

think he did some form of statistical

1202

01:06:14,500 --> 01:06:09,770

analysis and so forth I'm I'm not quite

1203

01:06:17,620 --> 01:06:14,510

clear but doctor Bengston came over to

1204

01:06:21,130 --> 01:06:17,630

Mike and said would you mind walking

1205

01:06:23,260 --> 01:06:21,140

over to the next location which was kind

1206

01:06:25,150 --> 01:06:23,270

of far away from the dining hall and

1207

01:06:27,460 --> 01:06:25,160

everybody was confused as to the maps

1208

01:06:31,180 --> 01:06:27,470

and so forth and he said would you mind

1209

01:06:36,010 --> 01:06:31,190

walking over with Brenda Dunn and Bob

1210

01:06:37,600 --> 01:06:36,020

John dr. Bob John to the next of the

1211

01:06:39,670 --> 01:06:37,610

location so that they get there on time

1212

01:06:42,370 --> 01:06:39,680

and at all you know that everybody goes

1213

01:06:46,810 --> 01:06:42,380

where there should go so the four of us

1214

01:06:50,650 --> 01:06:46,820

proceeded to walk across the

1215

01:06:55,480 --> 01:06:50,660

the main streets in New Haven where Yale

1216

01:06:58,110 --> 01:06:55,490

is located with a Michael Turner on my

1217

01:07:01,930 --> 01:06:58,120

right side just slightly behind me and

1218

01:07:05,170 --> 01:07:01,940

Brenda Dunn and Bob John walking just

1219

01:07:07,930 --> 01:07:05,180

slightly behind when along comes this

1220

01:07:11,920 --> 01:07:07,940

lady with a little dog down a curved

1221

01:07:15,820 --> 01:07:11,930

sidewalk towards me and my Walker

1222

01:07:18,190 --> 01:07:15,830

friends and it was just the most

1223

01:07:21,790 --> 01:07:18,200

beautiful little puppy and when it

1224

01:07:23,860 --> 01:07:21,800

finally reached us I think somebody

1225

01:07:26,470 --> 01:07:23,870

might have been me said what kind of a

1226

01:07:29,650 --> 01:07:26,480

dog is that to which the young woman

1227

01:07:32,500 --> 01:07:29,660

replied it is an Austrian Austria

1228

01:07:35,290 --> 01:07:32,510

miniature Australian Shepherd and all of

1229

01:07:38,710 --> 01:07:35,300

a sudden it became clear to me that my

1230

01:07:42,640 --> 01:07:38,720

dream had pretty much been realized in

1231

01:07:44,860 --> 01:07:42,650

real life and I since I didn't really

1232

01:07:46,720 --> 01:07:44,870

know anything about an Australian

1233

01:07:49,900 --> 01:07:46,730

Shepherd or a miniature Australian

1234

01:07:52,540 --> 01:07:49,910

Shepherd my monkey mind translated that

1235

01:07:57,160 --> 01:07:52,550

into a miniature German Shepherd and I

1236

01:08:00,790 --> 01:07:57,170

was ecstatic over the fact that both you

1237

01:08:03,160 --> 01:08:00,800

Brenda and dr. John seemed to be very

1238

01:08:05,440 --> 01:08:03,170

entranced by the dog and I realized that

1239

01:08:08,410 --> 01:08:05,450

the two of you were both dog lovers and

1240

01:08:09,420 --> 01:08:08,420

so I realized I was amongst my kind of

1241

01:08:12,640 --> 01:08:09,430

people

1242

01:08:15,250 --> 01:08:12,650

yeah i reaiiy remember the event quite

1243

01:08:18,099 --> 01:08:15,260

clearly because it was the very friendly

1244

01:08:19,870 --> 01:08:18,109

little puppy that came up and wanted you

1245

01:08:22,480 --> 01:08:19,880

know to be petted in the attention and

1246

01:08:25,450 --> 01:08:22,490

it was wagging its tail like crazy we

1247

01:08:29,530 --> 01:08:25,460

were all away annoying over it yes and

1248

01:08:31,630 --> 01:08:29,540

so so that's my little did you kid go

1249

01:08:34,240 --> 01:08:31,640

ahead did you get in Australian Shepherd

1250

01:08:37,329 --> 01:08:34,250

no I haven't gotten a dog yet I don't

1251

01:08:40,180 --> 01:08:37,339

think that I probably would get a

1252

01:08:43,420 --> 01:08:40,190

pedigree dog unless it was a rescue I'm

1253

01:08:46,560 --> 01:08:43,430

more the rescue type in terms of my my

1254

01:08:49,270 --> 01:08:46,570

many cats and my occasional dog I

1255

01:08:51,670 --> 01:08:49,280

haven't gotten a dog yet because it

1256

01:08:55,870 --> 01:08:51,680

doesn't seem to be the right time but I

1257

01:08:58,690 --> 01:08:55,880

will certainly look for a lovely dog

1258

01:09:00,250 --> 01:08:58,700

when it's when I'm able to get one but

1259

01:09:03,220 --> 01:09:00,260

you know you talk I'm

1260

01:09:07,720 --> 01:09:03,230

mentioned that over the years I have

1261

01:09:11,200 --> 01:09:07,730

gotten countless stories from people

1262

01:09:13,860 --> 01:09:11,210

about similar things dreams that you

1263

01:09:17,170 --> 01:09:13,870

know happened just as they were dreamt

1264

01:09:19,600 --> 01:09:17,180

you know precognitive experiences that

1265

01:09:23,140 --> 01:09:19,610

then came came about just as they had

1266

01:09:25,810 --> 01:09:23,150

been envisioned you know people have

1267

01:09:28,720 --> 01:09:25,820

asked me can you explain this and me I'm

1268

01:09:31,300 --> 01:09:28,730

like typical answer is I can't explain

1269

01:09:34,120 --> 01:09:31,310

it I can tell you is based on my

1270

01:09:38,590 --> 01:09:34,130

experience it's far more common than

1271

01:09:40,810 --> 01:09:38,600

most people would think but you talk

1272

01:09:43,240 --> 01:09:40,820

about emergent psychology like with

1273

01:09:46,540 --> 01:09:43,250

friend number generators I mean you even

1274

01:09:49,480 --> 01:09:46,550

take a look at dogs a a dog will react

1275

01:09:54,400 --> 01:09:49,490

certainly one way a pack of dogs reacts

1276

01:09:59,220 --> 01:09:54,410

a whole different ways so you know well

1277

01:10:03,250 --> 01:09:59,230

if I have another moment on the air but

1278

01:10:07,800 --> 01:10:03,260

we actually had a friend also a member

1279

01:10:10,660 --> 01:10:07,810

of SASE who used to have a number of

1280

01:10:13,840 --> 01:10:10,670

raccoons who lived in the woods behind

1281

01:10:16,510 --> 01:10:13,850

her house and they would come up to the

1282

01:10:21,010 --> 01:10:16,520

porch her back porch and she put out

1283

01:10:23,620 --> 01:10:21,020

peanuts for them and she once said to me

1284

01:10:26,380 --> 01:10:23,630

you know those raccoons are so clever

1285

01:10:29,440 --> 01:10:26,390

and they will do just about anything to

1286

01:10:32,560 --> 01:10:29,450

get peanuts mm-hmm I said to her

1287

01:10:38,650 --> 01:10:32,570

anything and she looked at me and I

1288

01:10:42,160 --> 01:10:38,660

looked at her we developed a little obey

1289

01:10:46,000 --> 01:10:42,170

ston an old gumball dispenser hooked up

1290

01:10:49,990 --> 01:10:46,010

to a random event yet oh my gosh we with

1291

01:10:53,020 --> 01:10:50,000

filled with peanuts that's and it turned

1292

01:10:54,790 --> 01:10:53,030

out it never really went too far because

1293

01:10:57,310 --> 01:10:54,800

she ended up with some technical

1294

01:11:00,610 --> 01:10:57,320

problems with the device but in the

1295

01:11:03,160 --> 01:11:00,620

meantime over the time that she had she

1296

01:11:06,070 --> 01:11:03,170

said that it was really astounding how

1297

01:11:08,890 --> 01:11:06,080

these raccoons would come up and do if

1298

01:11:11,440 --> 01:11:08,900

each would have their own technique for

1299

01:11:13,810 --> 01:11:11,450

example one would put its paws on the

1300

01:11:14,120 --> 01:11:13,820

machine and then step back and wait for

1301

01:11:16,700 --> 01:11:14,130

it to

1302

01:11:19,280 --> 01:11:16,710

spends peanuts another one would walk

1303

01:11:22,580 --> 01:11:19,290

around it and then come to the front

1304

01:11:24,740 --> 01:11:22,590

wait for it to dispense and another one

1305

01:11:26,629 --> 01:11:24,750

which I thought was a riot said would

1306

01:11:29,030 --> 01:11:26,639

look at the machine turn its back and

1307

01:11:31,010 --> 01:11:29,040

walk to the edge of the porch as if it

1308

01:11:34,990 --> 01:11:31,020

was ignoring it and then stop and look

1309

01:11:39,590 --> 01:11:35,000

over its shoulder oh boy I like that one

1310

01:11:42,910 --> 01:11:39,600

but yes I think experiments along these

1311

01:11:45,860 --> 01:11:42,920

lines with animals would be fantastic

1312

01:11:48,200 --> 01:11:45,870

they are so much better than we are at

1313

01:11:53,149 --> 01:11:48,210

pure perception you know without all the

1314

01:11:55,490 --> 01:11:53,159

monkey mind getting away and I suspect I

1315

01:11:57,890 --> 01:11:55,500

suspect the results could be very

1316

01:12:00,709 --> 01:11:57,900

interesting it sounds like a wonderful

1317

01:12:04,490 --> 01:12:00,719

idea for somebody somebody young

1318

01:12:06,709 --> 01:12:04,500

scientists from the SSE group to to work

1319

01:12:09,050 --> 01:12:06,719

on and we can put it out there for them

1320

01:12:12,700 --> 01:12:09,060

I'm afraid the time has come at this

1321

01:12:16,610 --> 01:12:12,710

junction yeah where we need to say idea

1322

01:12:19,189 --> 01:12:16,620

of either saying sayonara but thank you

1323

01:12:21,080 --> 01:12:19,199

so much is a very fascinating discussion

1324

01:12:22,970 --> 01:12:21,090

I appreciate your your spending this

1325

01:12:28,970 --> 01:12:22,980

time with them thank you so much Brenda

1326

01:12:33,740 --> 01:12:28,980

done former lab director at pair and a

1327

01:12:37,280 --> 01:12:33,750

current publisher for IC RL thank you so

1328

01:12:38,270 --> 01:12:37,290

much for participating with us and it

1329

01:12:44,950 --> 01:12:38,280

was my pleasure

1330

01:12:54,940 --> 01:12:44,960

okay it's time to say goodbye from

1331

01:12:54,950 --> 01:13:05,520

[Music]