

1
00:00:10,970 --> 00:00:14,999
[Music]

2
00:00:17,280 --> 00:00:23,349
[Music]

3
00:00:19,859 --> 00:00:27,939
welcome to shadows reality with your

4
00:00:23,349 --> 00:00:30,879
hosts a Valentine and furs prepared

5
00:00:27,939 --> 00:00:34,960
ahead of paradigm as she did and your

6
00:00:30,879 --> 00:00:41,280
truths question it and now shattered

7
00:00:34,960 --> 00:00:45,070
reality here we are getting faroush

8
00:00:41,280 --> 00:00:47,799
another show yes and we have a very

9
00:00:45,070 --> 00:00:50,198
exciting show today yeah but you know

10
00:00:47,799 --> 00:00:57,419
let's slate okay

11
00:00:50,198 --> 00:01:00,939
today is July 25th 2017 and it is our

12
00:00:57,420 --> 00:01:02,890
52nd show can you believe that no really

13
00:01:00,939 --> 00:01:05,649
it I really don't either I mean it's

14
00:01:02,890 --> 00:01:08,019
it's gone by like a like a flash and I

15
00:01:05,650 --> 00:01:10,719
think it's because we've had a bunch of

16
00:01:08,019 --> 00:01:12,819
really interesting people on and today

17
00:01:10,719 --> 00:01:17,438
does not disappoint

18
00:01:12,819 --> 00:01:21,728
I am really proud and honored to have as

19
00:01:17,438 --> 00:01:25,539
our guest today the laboratory manager

20
00:01:21,728 --> 00:01:30,219
of the Princeton engineering anomalies

21
00:01:25,540 --> 00:01:33,909
Research Lab the pear lab miss Brenda

22
00:01:30,219 --> 00:01:38,618
done is with us today she worked with

23
00:01:33,909 --> 00:01:41,829
dr. Robert John and still does he was

24
00:01:38,618 --> 00:01:45,159
the dean emeritus of Princeton School of

25
00:01:41,828 --> 00:01:47,828
Engineering and Applied Science and he

26
00:01:45,159 --> 00:01:54,868
is the professor emeritus of aerospace

27
00:01:47,828 --> 00:01:58,000
engineering after the lab closed in 27

28
00:01:54,868 --> 00:02:01,180
2007 they moved their operation to a

29

00:01:58,000 --> 00:02:03,868
nonprofit organization called the

30
00:02:01,180 --> 00:02:10,180
International consciousness research

31
00:02:03,868 --> 00:02:14,919
laboratories or IC RL they also have IC

32
00:02:10,180 --> 00:02:16,270
i-- IC RL press which publishes books on

33
00:02:14,919 --> 00:02:19,989
consciousness

34
00:02:16,270 --> 00:02:24,810
science and spirituality including a

35
00:02:19,990 --> 00:02:29,740
book called molecular memories a book by

36
00:02:24,810 --> 00:02:31,629
Brenda Dunn and dr. Robert John which we

37
00:02:29,740 --> 00:02:35,560
will discuss today amongst other things

38
00:02:31,629 --> 00:02:39,699
and now without further ado we shall

39
00:02:35,560 --> 00:02:41,409
welcome mr. Dunn thank you so much for

40
00:02:39,699 --> 00:02:43,389
being with us I'm really quite impressed

41
00:02:41,409 --> 00:02:47,409
for sure was telling me about you and

42
00:02:43,389 --> 00:02:49,719
the work that's being done at pear and I

43
00:02:47,409 --> 00:02:52,659

really congratulate you on being a

44

00:02:49,719 --> 00:02:57,550

pioneer it's not taking a lot of courage

45

00:02:52,659 --> 00:03:01,210

to be a pioneer well thank you it's sure

46

00:02:57,550 --> 00:03:03,670

to be here could you tell us something

47

00:03:01,210 --> 00:03:06,010

about there I mean just a lot of people

48

00:03:03,669 --> 00:03:09,099

are unfamiliar with the Princeton

49

00:03:06,009 --> 00:03:10,659

engineering anomalies research and I

50

00:03:09,099 --> 00:03:16,329

think it's important that it be brought

51

00:03:10,659 --> 00:03:21,569

to public attention okay the pear lab

52

00:03:16,330 --> 00:03:25,390

was established by Professor John in

53

00:03:21,569 --> 00:03:27,609

1979 at which time he was the Dean of

54

00:03:25,389 --> 00:03:30,429

Princeton School of Engineering and

55

00:03:27,610 --> 00:03:34,060

Applied Sciences and he became

56

00:03:30,430 --> 00:03:38,140

interested in the topic of human machine

57

00:03:34,060 --> 00:03:41,069

anomalies through a project an

58
00:03:38,139 --> 00:03:45,279
undergraduate project that he supervised

59
00:03:41,069 --> 00:03:48,099
this young woman had read some of the

60
00:03:45,280 --> 00:03:51,909
studies that had been done where people

61
00:03:48,099 --> 00:03:55,629
seemed to be able to effect random event

62
00:03:51,909 --> 00:03:57,819
generators in you know without any

63
00:03:55,629 --> 00:04:02,229
sensory contact just through their

64
00:03:57,819 --> 00:04:05,019
consciousness and although he was a bit

65
00:04:02,229 --> 00:04:08,079
skeptical at the time he did believe

66
00:04:05,020 --> 00:04:10,810
that the design and construction of a

67
00:04:08,080 --> 00:04:14,530
random event generator and the design

68
00:04:10,810 --> 00:04:16,689
and conduct of a research experiment

69
00:04:14,530 --> 00:04:19,870
associated with it was a reasonable

70
00:04:16,689 --> 00:04:24,579
undergraduate project so he did

71
00:04:19,870 --> 00:04:27,819
supervise it and as a result the project

72
00:04:24,579 --> 00:04:30,158
got some very interesting findings that

73
00:04:27,819 --> 00:04:34,748
suggested that people could indeed in

74
00:04:30,158 --> 00:04:37,149
the random output of these devices he

75
00:04:34,749 --> 00:04:41,229
became quite interested even after the

76
00:04:37,149 --> 00:04:44,738
student lost interest and believed that

77
00:04:41,228 --> 00:04:48,068
had these phenomena had important

78
00:04:44,738 --> 00:04:51,878
engineering implications you know at the

79
00:04:48,069 --> 00:04:57,309
time engineering technology was just

80
00:04:51,879 --> 00:04:59,439
booming and they were becoming more and

81
00:04:57,309 --> 00:05:02,429
more dependent on sensitive random

82
00:04:59,439 --> 00:05:10,028
processes and various forms of

83
00:05:02,428 --> 00:05:13,538
applications so he well as an aerospace

84
00:05:10,028 --> 00:05:17,168
engineer he was also familiar with mr.

85
00:05:13,538 --> 00:05:20,949
James McDonald the patriarch of the

86

00:05:17,168 --> 00:05:23,228
McDonnell Douglas Aircraft Company who

87
00:05:20,949 --> 00:05:25,990
it turned out also had an interest in

88
00:05:23,228 --> 00:05:28,628
the topic and in particular had some

89
00:05:25,990 --> 00:05:33,069
concerns about the vulnerability of some

90
00:05:28,629 --> 00:05:37,289
of the sensitive cockpit instrumentation

91
00:05:33,069 --> 00:05:40,449
to the emotional reactions of the pilot

92
00:05:37,288 --> 00:05:44,139
it turns out that mr. McDonnell was also

93
00:05:40,449 --> 00:05:47,528
a Princeton graduate and at a meeting

94
00:05:44,139 --> 00:05:50,139
that they both had attended he suggested

95
00:05:47,528 --> 00:05:54,999
to Bob John that he set up a program to

96
00:05:50,139 --> 00:05:58,179
study this topic more carefully and and

97
00:05:54,999 --> 00:06:02,409
that if he would do so he would be glad

98
00:05:58,178 --> 00:06:06,158
to support it financially well after

99
00:06:02,408 --> 00:06:09,248
further conversation bob agreed to do it

100
00:06:06,158 --> 00:06:13,178

and started talking to his

101

00:06:09,249 --> 00:06:16,929

administration who wasn't weren't too

102

00:06:13,178 --> 00:06:19,688

happy about the idea but given Bob's

103

00:06:16,928 --> 00:06:21,998

position as an administrative officer of

104

00:06:19,689 --> 00:06:26,349

the University and his tenured position

105

00:06:21,999 --> 00:06:30,269

as a professor they finally agreed to

106

00:06:26,348 --> 00:06:33,819

let him do it with a number of caveats

107

00:06:30,269 --> 00:06:37,179

it was not to be an academic program

108

00:06:33,819 --> 00:06:41,889

simply a research project no teaching no

109

00:06:37,178 --> 00:06:43,529

student activity and so forth given

110

00:06:41,889 --> 00:06:47,600

Bob's other

111

00:06:43,529 --> 00:06:50,339

major commitments he needed somebody to

112

00:06:47,600 --> 00:06:55,770

manage the laboratory on a day-to-day

113

00:06:50,339 --> 00:06:58,469

basis and he went you know looking for

114

00:06:55,769 --> 00:07:02,609

somebody who could fulfill that that

115
00:06:58,470 --> 00:07:04,500
role in particular he wanted somebody

116
00:07:02,610 --> 00:07:09,900
who came from a different perspective

117
00:07:04,500 --> 00:07:11,850
than his own preferably a woman because

118
00:07:09,899 --> 00:07:17,429
he felt that it goes

119
00:07:11,850 --> 00:07:21,450
it needed a yin component to his yang if

120
00:07:17,430 --> 00:07:26,519
you will you know somebody who was

121
00:07:21,449 --> 00:07:29,550
sensitive to people and so forth and he

122
00:07:26,519 --> 00:07:32,759
attended a meeting of the Paris

123
00:07:29,550 --> 00:07:37,610
Psychological Association in the summer

124
00:07:32,759 --> 00:07:40,500
of 1978 where I was giving a talk

125
00:07:37,610 --> 00:07:44,160
describing some of my early studies in

126
00:07:40,500 --> 00:07:46,168
remote viewing remote viewing is a an

127
00:07:44,160 --> 00:07:50,160
experiment where people attempt to

128
00:07:46,168 --> 00:07:53,310
describe some distant location without

129
00:07:50,160 --> 00:07:55,530
any sensory input and to see if they

130
00:07:53,310 --> 00:08:01,680
could describe it just by thinking about

131
00:07:55,529 --> 00:08:05,039
it during one of the coffee breaks he we

132
00:08:01,680 --> 00:08:07,168
met and he told me that he was

133
00:08:05,040 --> 00:08:09,210
interested in starting a program at

134
00:08:07,168 --> 00:08:12,689
Princeton he asked if I would be

135
00:08:09,209 --> 00:08:14,129
interested in working with him and

136
00:08:12,689 --> 00:08:18,418
needless to say I thought it was a

137
00:08:14,129 --> 00:08:20,909
fantastic idea I was at a point in my

138
00:08:18,418 --> 00:08:22,889
life where I was I was in graduate

139
00:08:20,910 --> 00:08:26,580
school to plot at the time with another

140
00:08:22,889 --> 00:08:29,279
year to go but had been recently

141
00:08:26,579 --> 00:08:30,990
divorced I'd sold my house was not quite

142
00:08:29,279 --> 00:08:33,299
sure what I wanted to do with the rest

143

00:08:30,990 --> 00:08:36,060
of my life and this was just an

144
00:08:33,299 --> 00:08:36,598
opportunity you know that defeneded from

145
00:08:36,059 --> 00:08:42,088
heaven

146
00:08:36,599 --> 00:08:44,970
so we talked a bit we discussed that you

147
00:08:42,089 --> 00:08:48,770
know the potential of the program and he

148
00:08:44,970 --> 00:08:51,540
in the fall he offered me the position

149
00:08:48,769 --> 00:08:55,529
the University was a bit uncomfortable

150
00:08:51,539 --> 00:08:58,879
with the idea of having someone with a

151
00:08:55,529 --> 00:09:02,850
psychology degree

152
00:08:58,879 --> 00:09:06,499
managing a engineering research program

153
00:09:02,850 --> 00:09:10,170
but they they finally did capitulate and

154
00:09:06,499 --> 00:09:14,100
I moved to Princeton in the following

155
00:09:10,169 --> 00:09:18,389
spring in June of 79 and we together we

156
00:09:14,100 --> 00:09:21,540
started the payer program would it be

157
00:09:18,389 --> 00:09:25,528

fair to say that the work at the pear

158

00:09:21,539 --> 00:09:28,078

lab was groundbreaking and it brought sy

159

00:09:25,528 --> 00:09:31,860

research to physics and assured in a new

160

00:09:28,078 --> 00:09:35,599

era of sy research as a result of it

161

00:09:31,860 --> 00:09:38,369

probably it certainly was groundbreaking

162

00:09:35,600 --> 00:09:42,119

although most of the research that we

163

00:09:38,369 --> 00:09:43,619

did there it was based on replicating

164

00:09:42,119 --> 00:09:46,110

the work of others

165

00:09:43,619 --> 00:09:49,920

you know the remote viewing experience

166

00:09:46,110 --> 00:09:52,769

work that was being funded SR I and some

167

00:09:49,919 --> 00:09:55,259

of the human-machine anomalies that were

168

00:09:52,769 --> 00:09:58,169

being conducted by people like physicist

169

00:09:55,259 --> 00:10:00,839

Helmut Schmidt who I believe at the time

170

00:09:58,169 --> 00:10:03,019

was working for Boeing I could be wrong

171

00:10:00,839 --> 00:10:06,389

on that he did work there at one time

172
00:10:03,019 --> 00:10:10,470
but the program basically had three

173
00:10:06,389 --> 00:10:13,980
components one of them and probably the

174
00:10:10,470 --> 00:10:16,639
major one was a body of experiments in

175
00:10:13,980 --> 00:10:20,188
what we call human machine anomalies

176
00:10:16,639 --> 00:10:22,230
where people ordinary people not people

177
00:10:20,188 --> 00:10:26,458
who claimed unusual abilities just

178
00:10:22,230 --> 00:10:29,819
ordinary volunteers would interact with

179
00:10:26,458 --> 00:10:31,438
a random system of some sort and we had

180
00:10:29,818 --> 00:10:33,988
quite a few of them some of them were

181
00:10:31,438 --> 00:10:38,578
micro electronics some of them were

182
00:10:33,989 --> 00:10:40,339
macroscopic mechanical devices etc we

183
00:10:38,578 --> 00:10:43,668
had probably five or six different

184
00:10:40,339 --> 00:10:48,809
random processes but each of them

185
00:10:43,668 --> 00:10:52,798
produced some kind of random output some

186
00:10:48,808 --> 00:10:55,528
sequence of random binary bits and the

187
00:10:52,798 --> 00:10:57,058
operators as we call them we didn't call

188
00:10:55,528 --> 00:11:00,298
them subjects because we weren't

189
00:10:57,058 --> 00:11:04,019
studying the people we were studying the

190
00:11:00,298 --> 00:11:07,740
machines basically and where these

191
00:11:04,019 --> 00:11:10,139
operators would attempt to influence the

192
00:11:07,740 --> 00:11:11,250
output of these devices in accordance

193
00:11:10,139 --> 00:11:14,269
with a

194
00:11:11,250 --> 00:11:17,340
pre-stated and prerecorded intention

195
00:11:14,269 --> 00:11:21,090
usually the experiments followed what we

196
00:11:17,340 --> 00:11:23,790
called a tri-polar protocol where the

197
00:11:21,090 --> 00:11:27,540
people would generate data under an

198
00:11:23,789 --> 00:11:30,949
intention to try to produce higher

199
00:11:27,539 --> 00:11:34,529
numbers or if you want more more ones

200

00:11:30,950 --> 00:11:36,740
more you know bits or a negative

201
00:11:34,529 --> 00:11:40,470
intention where they tried to get more

202
00:11:36,740 --> 00:11:43,110
lower numbers or more zeros and a

203
00:11:40,470 --> 00:11:44,700
baseline where they just stayed in the

204
00:11:43,110 --> 00:11:47,190
same place and just didn't think

205
00:11:44,700 --> 00:11:52,050
anything what the machine do its own its

206
00:11:47,190 --> 00:11:53,880
own thing though those external go back

207
00:11:52,049 --> 00:11:57,449
and describe you know the results of

208
00:11:53,879 --> 00:11:59,759
those but we collected oh God many

209
00:11:57,450 --> 00:12:02,460
millions are probably tens of millions

210
00:11:59,759 --> 00:12:05,759
of data points in these experiments over

211
00:12:02,460 --> 00:12:10,410
the years the other part of the program

212
00:12:05,759 --> 00:12:11,069
was a study a remote perception remote

213
00:12:10,409 --> 00:12:13,259
viewing

214
00:12:11,070 --> 00:12:15,690

we called it remote perception because

215

00:12:13,259 --> 00:12:20,429

it seemed to us that the phenomenon

216

00:12:15,690 --> 00:12:22,290

wasn't necessarily a visual one where as

217

00:12:20,429 --> 00:12:24,838

I said before people would attempt to

218

00:12:22,289 --> 00:12:27,929

describe some remote location that was

219

00:12:24,839 --> 00:12:30,720

assigned randomly and where another

220

00:12:27,929 --> 00:12:35,759

person would visit at a predetermined

221

00:12:30,720 --> 00:12:42,350

time our concern in these experiments

222

00:12:35,759 --> 00:12:48,679

really was to develop a more systematic

223

00:12:42,350 --> 00:12:51,930

measure of quantification of the results

224

00:12:48,679 --> 00:12:54,870

instead of having some third party

225

00:12:51,929 --> 00:12:58,799

attempt to match the perceptions and the

226

00:12:54,870 --> 00:13:01,139

targets you know to see how well they

227

00:12:58,799 --> 00:13:05,209

matched we wanted something that took

228

00:13:01,139 --> 00:13:09,539

the third person out and it was a more

229
00:13:05,210 --> 00:13:11,310
more qualified quantitative measurement

230
00:13:09,539 --> 00:13:16,679
of the amount of information that was

231
00:13:11,309 --> 00:13:22,609
acquired in that experimental program we

232
00:13:16,679 --> 00:13:25,199
collected over 650 trials over the years

233
00:13:22,610 --> 00:13:30,320
again with very significant

234
00:13:25,200 --> 00:13:33,690
results the third part of the program

235
00:13:30,320 --> 00:13:37,260
basically addressed the question of what

236
00:13:33,690 --> 00:13:39,810
in the world is going on here namely an

237
00:13:37,259 --> 00:13:42,360
attempt to design some sort of a model

238
00:13:39,809 --> 00:13:46,588
that could accommodate these anomalous

239
00:13:42,360 --> 00:13:49,459
phenomena and explain what was going on

240
00:13:46,589 --> 00:13:52,199
I can't say we were ever fully

241
00:13:49,458 --> 00:13:55,528
successful in that regard but we did

242
00:13:52,198 --> 00:13:59,219
come up with some ideas and some models

243
00:13:55,528 --> 00:14:02,519
that we published in our papers and

244
00:13:59,220 --> 00:14:04,800
books it might with a good time to

245
00:14:02,519 --> 00:14:07,799
mention a couple of those books the

246
00:14:04,799 --> 00:14:11,879
margins of reality and consciousness and

247
00:14:07,799 --> 00:14:15,059
the source of reality okay well it C

248
00:14:11,879 --> 00:14:18,120
margins of reality subtitled the role of

249
00:14:15,059 --> 00:14:24,000
consciousness in the physical world was

250
00:14:18,120 --> 00:14:28,350
published in 1987 I believe 87 or 88 87

251
00:14:24,000 --> 00:14:31,320
and it described the program to date the

252
00:14:28,350 --> 00:14:34,159
results the design of experiments some

253
00:14:31,320 --> 00:14:37,290
of the theoretical ideas and the

254
00:14:34,159 --> 00:14:40,948
implications of these phenomena for a

255
00:14:37,289 --> 00:14:44,370
variety of areas whether it be

256
00:14:40,948 --> 00:14:49,439
engineering or psychology or medicine or

257

00:14:44,370 --> 00:14:52,889
you know a lot of them consciousness and

258
00:14:49,440 --> 00:14:58,190
the source of reality subtitled the pair

259
00:14:52,889 --> 00:14:58,189
Odyssey was actually not published until

260
00:14:58,278 --> 00:15:04,230
2000

261
00:14:59,639 --> 00:15:07,049
oh gosh I'm blocking him on a date I

262
00:15:04,230 --> 00:15:11,750
think it was truth violators oh yes

263
00:15:07,049 --> 00:15:16,379
later after the lab closed and so after

264
00:15:11,750 --> 00:15:18,899
2007 we would say yes I'm trying to

265
00:15:16,379 --> 00:15:22,318
check that out

266
00:15:18,899 --> 00:15:32,519
I don't I have a copy of the book that's

267
00:15:22,318 --> 00:15:35,519
okay yeah 2001 no 2011 oh sorry

268
00:15:32,519 --> 00:15:37,810
and that was really a sequel to margins

269
00:15:35,519 --> 00:15:39,610
of reality that covered

270
00:15:37,809 --> 00:15:42,729
some of the same material but now

271
00:15:39,610 --> 00:15:45,129

covered the full 28-year history of the

272

00:15:42,730 --> 00:15:48,430

program as opposed to just the first

273

00:15:45,129 --> 00:15:51,330

eight years and covered you know some

274

00:15:48,429 --> 00:15:54,269

other areas that we had not thought of

275

00:15:51,330 --> 00:15:59,110

you know at that early time in

276

00:15:54,269 --> 00:16:01,299

particular as the title suggests we had

277

00:15:59,110 --> 00:16:04,060

become persuaded that what we were

278

00:16:01,299 --> 00:16:09,000

really studying here was human

279

00:16:04,059 --> 00:16:13,000

consciousness consciousness not as a

280

00:16:09,000 --> 00:16:15,700

epiphenomenon of the brain as a lot of

281

00:16:13,000 --> 00:16:18,850

people you know were proposing but

282

00:16:15,700 --> 00:16:21,879

consciousness as something something

283

00:16:18,850 --> 00:16:24,870

greater something that was associated

284

00:16:21,879 --> 00:16:27,970

with what we refer to as the source

285

00:16:24,870 --> 00:16:31,269

however one wants to describe that the

286
00:16:27,970 --> 00:16:36,370
Akashic records the zero-point field the

287
00:16:31,269 --> 00:16:39,129
they T or chi or prana etcetera but

288
00:16:36,370 --> 00:16:43,629
that's a big source with a capital S can

289
00:16:39,129 --> 00:16:47,200
I can I make a comment in here because I

290
00:16:43,629 --> 00:16:50,200
having read some of your of having read

291
00:16:47,200 --> 00:16:52,810
all of molecular memory memories which

292
00:16:50,200 --> 00:16:55,960
is one of your recent books I came to

293
00:16:52,809 --> 00:16:58,689
the conclusion that essentially it

294
00:16:55,960 --> 00:17:01,750
seemed to me what pair did is to take

295
00:16:58,690 --> 00:17:04,420
the statements about the fundamental

296
00:17:01,750 --> 00:17:07,269
issues role of consciousness that have

297
00:17:04,420 --> 00:17:10,630
been made by quantum physicists like Max

298
00:17:07,269 --> 00:17:13,480
Planck and many others and then turn

299
00:17:10,630 --> 00:17:17,380
them into replicable engineering

300
00:17:13,480 --> 00:17:21,789
experiments and I wanted to say that

301
00:17:17,380 --> 00:17:24,970
it's my view that many technicians use

302
00:17:21,789 --> 00:17:27,428
quantum physics for practical ends such

303
00:17:24,970 --> 00:17:30,039
as advanced computers and a lot of the

304
00:17:27,429 --> 00:17:32,970
gadgets we use today but they are very

305
00:17:30,039 --> 00:17:36,220
challenged to comprehend their impact on

306
00:17:32,970 --> 00:17:40,569
4d physical reality and the primacy of

307
00:17:36,220 --> 00:17:43,929
consciousness exactly we often hear the

308
00:17:40,569 --> 00:17:46,809
phrase shut up and calculate referring

309
00:17:43,929 --> 00:17:49,740
to this apparent schism in thought in

310
00:17:46,809 --> 00:17:51,490
the technicians who are mechanistic

311
00:17:49,740 --> 00:17:54,759
materialists but used

312
00:17:51,490 --> 00:17:58,900
want them physics in their work yeah

313
00:17:54,759 --> 00:18:02,379
it's quite correct in fact a fourth book

314

00:17:58,900 --> 00:18:06,390
that we published was called quirks of

315
00:18:02,380 --> 00:18:09,280
the quantum mind it actually described a

316
00:18:06,390 --> 00:18:12,130
one of our theoretical approaches in

317
00:18:09,279 --> 00:18:16,269
which we pointed out that if one looked

318
00:18:12,130 --> 00:18:20,410
closely at the principles underlying

319
00:18:16,269 --> 00:18:23,109
quantum mechanics one could detect in a

320
00:18:20,410 --> 00:18:27,340
sense of rejection of the activated

321
00:18:23,109 --> 00:18:29,979
consciousness and one could draw a very

322
00:18:27,339 --> 00:18:33,579
interesting and fun parallel between

323
00:18:29,980 --> 00:18:38,200
these various various principles or

324
00:18:33,579 --> 00:18:39,069
ideas and the psychology you know of the

325
00:18:38,200 --> 00:18:42,670
human mind

326
00:18:39,069 --> 00:18:47,139
in fact because I had no background

327
00:18:42,670 --> 00:18:48,670
myself in advanced physics I didn't even

328
00:18:47,140 --> 00:18:50,710

have a background in introductory

329

00:18:48,670 --> 00:18:54,759

physics to be frank when we first

330

00:18:50,710 --> 00:18:57,730

started but Bob has suggested that I fit

331

00:18:54,759 --> 00:19:00,970

in on a class he was teaching at a

332

00:18:57,730 --> 00:19:03,549

graduate level on quantum mechanics and

333

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

he told me he said don't worry about the

334

00:19:03,549 --> 00:19:09,579

math and you know those various just

335

00:19:06,970 --> 00:19:13,058

listen to the principles the ideas that

336

00:19:09,579 --> 00:19:16,678

are being presented and so I was sitting

337

00:19:13,058 --> 00:19:20,500

in on that class that was comprised of

338

00:19:16,679 --> 00:19:23,920

graduate students mostly engineers or

339

00:19:20,500 --> 00:19:26,589

physicists and one day one of the

340

00:19:23,920 --> 00:19:30,910

students said to me hey aren't you a

341

00:19:26,589 --> 00:19:33,639

psychologist and I said yes and he said

342

00:19:30,910 --> 00:19:37,090

why are you taking a class on quantum

343
00:19:33,640 --> 00:19:40,059
mechanics and I looked at him in mock

344
00:19:37,089 --> 00:19:43,029
amazement and I said quantum mechanics

345
00:19:40,058 --> 00:19:48,490
gosh I thought this was a course on the

346
00:19:43,029 --> 00:19:52,990
psychology of subatomic particles which

347
00:19:48,490 --> 00:19:56,799
in a sense was the idea but when we

348
00:19:52,990 --> 00:20:00,370
first came up with this model or

349
00:19:56,799 --> 00:20:02,859
metaphor if you will we thought it would

350
00:20:00,369 --> 00:20:05,159
be interesting to see what some of the

351
00:20:02,859 --> 00:20:08,369
patriarchs of quantum mechanics

352
00:20:05,160 --> 00:20:11,519
had to say on the topic and we did some

353
00:20:08,369 --> 00:20:15,929
pretty heavy background research looking

354
00:20:11,519 --> 00:20:17,910
at all of their their more philosophical

355
00:20:15,930 --> 00:20:20,430
writings you know not the technical ones

356
00:20:17,910 --> 00:20:22,620
and we looked at the you know the

357
00:20:20,430 --> 00:20:27,799
writings of people like Niels Bohr or

358
00:20:22,619 --> 00:20:27,799
Max Planck or Bernhard Heisenberg

359
00:20:28,700 --> 00:20:35,610
Wolfgang Pauli Albert Einstein a whole

360
00:20:33,390 --> 00:20:39,120
slew I'm probably leaving some out but

361
00:20:35,609 --> 00:20:41,359
to our amazement what we discovered was

362
00:20:39,119 --> 00:20:43,319
that virtually every one of them

363
00:20:41,359 --> 00:20:45,449
acknowledged that what they were looking

364
00:20:43,319 --> 00:20:49,829
at had to involve the role of

365
00:20:45,450 --> 00:20:52,080
consciousness now they came up you know

366
00:20:49,829 --> 00:20:54,569
among them were or when Schrodinger of

367
00:20:52,079 --> 00:20:58,409
the Schrodinger equation that virtually

368
00:20:54,569 --> 00:21:02,639
every physicist and engineer uses in the

369
00:20:58,410 --> 00:21:05,310
course of their daily activities but

370
00:21:02,640 --> 00:21:08,900
although they use the equation none of

371

00:21:05,309 --> 00:21:11,159
them had read any of Schrodinger's

372
00:21:08,900 --> 00:21:13,560
philosophical writings in which he

373
00:21:11,160 --> 00:21:15,480
maintained that what was going on was

374
00:21:13,559 --> 00:21:19,220
consciousness at the activity of

375
00:21:15,480 --> 00:21:23,460
consciousness so anyway we prepared a

376
00:21:19,220 --> 00:21:25,559
very extensive appendix to our book

377
00:21:23,460 --> 00:21:29,220
which I think I mentioned was called

378
00:21:25,559 --> 00:21:32,179
quirks of the quantum mind that relayed

379
00:21:29,220 --> 00:21:36,210
all of these comments by all of these

380
00:21:32,180 --> 00:21:38,490
well-regarded early physicists and the

381
00:21:36,210 --> 00:21:43,200
founders really of quantum mechanical

382
00:21:38,490 --> 00:21:48,870
theory so I think I've kind of gotten

383
00:21:43,200 --> 00:21:50,039
off my track are you were talking oh

384
00:21:48,869 --> 00:21:53,639
that's your book works

385
00:21:50,039 --> 00:21:55,230

yeah well although margins of reality

386

00:21:53,640 --> 00:21:58,160
had originally been published by

387

00:21:55,230 --> 00:22:01,079
Harcourt brace jovanovich

388

00:21:58,160 --> 00:22:05,700
Harcourt went out of business and the

389

00:22:01,079 --> 00:22:09,689
book was going out of print and it was

390

00:22:05,700 --> 00:22:12,090
in about two thousand nine or ten

391

00:22:09,690 --> 00:22:15,180
we spoke with a colleague who was in the

392

00:22:12,089 --> 00:22:18,589
publishing business and he proposed that

393

00:22:15,180 --> 00:22:24,049
we establish a publishing imprint

394

00:22:18,589 --> 00:22:28,069
that we call the IC RL press it's a sub

395

00:22:24,049 --> 00:22:32,750
subsidiary if you will of IC RL and

396

00:22:28,069 --> 00:22:36,089
we've published so far I think 13 books

397

00:22:32,750 --> 00:22:39,000
that deal with various aspects as you

398

00:22:36,089 --> 00:22:43,230
pointed out of consciousness science and

399

00:22:39,000 --> 00:22:45,980
spirituality four of those books are our

400
00:22:43,230 --> 00:22:48,329
own that we mentioned margins

401
00:22:45,980 --> 00:22:50,640
consciousness and the source of reality

402
00:22:48,329 --> 00:22:54,119
quirks of the quantum mind and molecular

403
00:22:50,640 --> 00:22:57,120
memories and in addition to that we've

404
00:22:54,119 --> 00:23:00,539
published a number of other fascinating

405
00:22:57,119 --> 00:23:05,189
books that deal with these topics by

406
00:23:00,539 --> 00:23:09,269
other authors there is a if you or your

407
00:23:05,190 --> 00:23:14,130
listeners go to the IC RL webpage it's

408
00:23:09,269 --> 00:23:16,230
IC RL dot org you can go to IC RL press

409
00:23:14,130 --> 00:23:19,200
and see a catalogue of all of these

410
00:23:16,230 --> 00:23:21,710
books they range from a collection of

411
00:23:19,200 --> 00:23:26,990
creation myths from different cultures

412
00:23:21,710 --> 00:23:31,829
to a review of the philosophy of Spinoza

413
00:23:26,990 --> 00:23:34,829
to essays on the nature of the

414
00:23:31,829 --> 00:23:40,529
relationship of the human mind and that

415
00:23:34,829 --> 00:23:42,949
nature etc a couple of others but

416
00:23:40,529 --> 00:23:46,259
they're all as if I say so myself

417
00:23:42,950 --> 00:23:49,190
fascinating books we have three more at

418
00:23:46,259 --> 00:23:53,190
the moment that are in preparation so

419
00:23:49,190 --> 00:23:55,320
basically we're putting the majority of

420
00:23:53,190 --> 00:23:58,289
our efforts these days into the

421
00:23:55,319 --> 00:24:02,480
publishing area we've stopped doing any

422
00:23:58,289 --> 00:24:04,379
research a couple of years ago it was

423
00:24:02,480 --> 00:24:06,779
getting to the point where there was

424
00:24:04,380 --> 00:24:08,160
really nothing else to say we didn't

425
00:24:06,779 --> 00:24:10,889
want to do more of what we'd already

426
00:24:08,160 --> 00:24:12,990
done that we thought it was more

427
00:24:10,890 --> 00:24:16,460
important to encourage other people to

428

00:24:12,990 --> 00:24:19,680
carry on that work and look in other

429
00:24:16,460 --> 00:24:21,930
dimensions of the phenomena that we were

430
00:24:19,680 --> 00:24:24,480
not able to do while we were at the

431
00:24:21,930 --> 00:24:26,070
University that's what I'm not going to

432
00:24:24,480 --> 00:24:28,230
ask you I mean you've done such

433
00:24:26,069 --> 00:24:30,210
phenomenal groundbreaking work I would

434
00:24:28,230 --> 00:24:32,240
assume that someone was going to pick up

435
00:24:30,210 --> 00:24:35,038
the baton and carry on

436
00:24:32,240 --> 00:24:37,589
yes there are a number of people who

437
00:24:35,038 --> 00:24:41,009
have carried it on we have a couple of

438
00:24:37,589 --> 00:24:45,418
colleagues in Copenhagen who developed a

439
00:24:41,009 --> 00:24:48,569
wonderful art installation that involves

440
00:24:45,419 --> 00:24:52,019
using a random number generator a random

441
00:24:48,569 --> 00:24:55,769
event generator to alternate a picture

442
00:24:52,019 --> 00:24:57,569

with a random noise background and the

443

00:24:55,769 --> 00:25:00,349

viewer would attempt to make the picture

444

00:24:57,569 --> 00:25:06,210

emerge from the from the background

445

00:25:00,349 --> 00:25:09,058

another one in the Netherlands

446

00:25:06,210 --> 00:25:11,190

has developed a program that takes the

447

00:25:09,058 --> 00:25:14,759

output of random event generators and

448

00:25:11,190 --> 00:25:17,220

converts it to musical notes and as you

449

00:25:14,759 --> 00:25:20,579

listen to it you would try to detect or

450

00:25:17,220 --> 00:25:25,019

create music as a military picked up on

451

00:25:20,579 --> 00:25:27,798

any of this oh we've had visits over the

452

00:25:25,019 --> 00:25:33,899

years from people from the government

453

00:25:27,798 --> 00:25:36,629

but we never pardon me we never accepted

454

00:25:33,898 --> 00:25:38,548

any government funding we insisted that

455

00:25:36,630 --> 00:25:42,809

anything we did had to be in the open

456

00:25:38,548 --> 00:25:49,369

literature and our program then and

457
00:25:42,808 --> 00:25:52,528
never now has always been supported by

458
00:25:49,369 --> 00:25:55,018
contributions you know tax deductible

459
00:25:52,528 --> 00:26:03,630
contributions from interested people and

460
00:25:55,019 --> 00:26:06,000
so anthropocentric they haven't really

461
00:26:03,630 --> 00:26:08,510
bothered us much except to occasionally

462
00:26:06,000 --> 00:26:11,130
stop by to find out what we were doing

463
00:26:08,509 --> 00:26:14,009
some we haven't bothered them very much

464
00:26:11,130 --> 00:26:17,880
well that sounds like a wise decision

465
00:26:14,009 --> 00:26:20,460
I wanted to yeah we right go ahead I was

466
00:26:17,880 --> 00:26:23,820
going to say we were not interested in a

467
00:26:20,460 --> 00:26:25,350
gaining notoriety or fame or money I

468
00:26:23,819 --> 00:26:27,388
mean we were doing this just for the

469
00:26:25,349 --> 00:26:32,819
sheer are they of learning something

470
00:26:27,388 --> 00:26:34,439
exciting and new and as long as you know

471
00:26:32,819 --> 00:26:37,759
we had enough support that we could

472
00:26:34,440 --> 00:26:41,308
maintain our staff we had a staff of

473
00:26:37,759 --> 00:26:43,919
varied from maybe five to eight people

474
00:26:41,308 --> 00:26:45,269
at different times who came from

475
00:26:43,919 --> 00:26:47,640
different disciplines from

476
00:26:45,269 --> 00:26:51,059
Engineering from physics from psychology

477
00:26:47,640 --> 00:26:54,420
from medicine who all worked together in

478
00:26:51,059 --> 00:26:56,879
a very small space that we had carved

479
00:26:54,420 --> 00:26:59,940
out in the basement of the engineering

480
00:26:56,880 --> 00:27:06,480
school I'm talking about pair now not IC

481
00:26:59,940 --> 00:27:10,519
RL and it was in fact there's another

482
00:27:06,480 --> 00:27:13,710
cute story I could tell you and that is

483
00:27:10,519 --> 00:27:15,180
when we first started the the laboratory

484
00:27:13,710 --> 00:27:20,490
we didn't have a name for the program

485

00:27:15,180 --> 00:27:23,310
and I believe this is an anecdote that

486
00:27:20,490 --> 00:27:25,500
was in molecular memories we have

487
00:27:23,309 --> 00:27:29,970
thought we were being very clever by

488
00:27:25,500 --> 00:27:32,700
posting a Greeks eye on the door and SCI

489
00:27:29,970 --> 00:27:37,970
is a term that's used you know to

490
00:27:32,700 --> 00:27:41,519
represent psychology to represent

491
00:27:37,970 --> 00:27:46,529
anomalous or psychic phenomena it's also

492
00:27:41,519 --> 00:27:49,710
a very important symbol that is used in

493
00:27:46,529 --> 00:27:51,569
engineering and physics it's at the the

494
00:27:49,710 --> 00:27:54,960
center or the core of the Schrodinger

495
00:27:51,569 --> 00:27:56,879
equation okay so we figured that there

496
00:27:54,960 --> 00:27:59,360
was some interesting correspondence

497
00:27:56,880 --> 00:28:02,940
there we put this Greeks eye on the door

498
00:27:59,359 --> 00:28:06,029
and within a couple of weeks we had two

499
00:28:02,940 --> 00:28:08,610

or three people come by and ask us with

500

00:28:06,029 --> 00:28:10,980

rather frightened looks on their faces

501

00:28:08,609 --> 00:28:15,839

why we had a Devil's pitchfork on the

502

00:28:10,980 --> 00:28:18,480

door we thought this was rather

503

00:28:15,839 --> 00:28:21,589

interesting and from a psychological

504

00:28:18,480 --> 00:28:26,370

perspective maybe telling us more than

505

00:28:21,589 --> 00:28:29,909

they even meant to be telling us but we

506

00:28:26,369 --> 00:28:33,239

took down the thigh with a sigh and we

507

00:28:29,910 --> 00:28:36,720

we put up a poster that had you've

508

00:28:33,240 --> 00:28:38,940

probably seen these it's a picture of a

509

00:28:36,720 --> 00:28:42,660

spiral galaxy with a little arrow that

510

00:28:38,940 --> 00:28:44,910

says you are here oh yeah well one day I

511

00:28:42,660 --> 00:28:46,980

came in the morning and there was some

512

00:28:44,910 --> 00:28:49,050

guy standing there staring at our door

513

00:28:46,980 --> 00:28:52,500

and he looked at me accusingly and said

514
00:28:49,049 --> 00:28:56,039
you know that's not our galaxy ha ha ha

515
00:28:52,500 --> 00:28:58,049
and I said oh thank you for pointing

516
00:28:56,039 --> 00:28:58,839
that out I'd hate to have a misleading

517
00:28:58,049 --> 00:29:02,349
sign

518
00:28:58,839 --> 00:29:06,639
door I ripped it off went inside and

519
00:29:02,349 --> 00:29:09,069
broke up laughing but shortly after that

520
00:29:06,640 --> 00:29:11,650
Bob had suggested we really had to come

521
00:29:09,069 --> 00:29:13,839
up with a name for the program now we

522
00:29:11,650 --> 00:29:17,920
went out to lunch one day and we were

523
00:29:13,839 --> 00:29:20,619
sitting in this little cafe talking

524
00:29:17,920 --> 00:29:23,230
about it and he said what do you think

525
00:29:20,619 --> 00:29:26,919
about the name Princeton engineering

526
00:29:23,230 --> 00:29:31,240
anomalies research and I thought of it

527
00:29:26,920 --> 00:29:35,980
and I said pe8 our pair now that doesn't

528
00:29:31,240 --> 00:29:37,990
grab me meanwhile the waitress came and

529
00:29:35,980 --> 00:29:40,000
brought our lunch and Bob said pass the

530
00:29:37,990 --> 00:29:42,809
salt and I picked up the salt shaker

531
00:29:40,000 --> 00:29:46,690
which turned out to be a pewter pair oh

532
00:29:42,809 --> 00:29:51,339
okay and I said okay you know I still

533
00:29:46,690 --> 00:29:53,950
don't like it and when we finished our

534
00:29:51,339 --> 00:29:55,899
main course the waitress came back can I

535
00:29:53,950 --> 00:29:57,630
interest you folks in some dessert we

536
00:29:55,900 --> 00:30:00,400
had some fresh pear cake

537
00:29:57,630 --> 00:30:02,760
tossing and I said okay I can't I can't

538
00:30:00,400 --> 00:30:06,990
win this one

539
00:30:02,759 --> 00:30:09,759
synchronicity so Paris became and

540
00:30:06,990 --> 00:30:12,930
apparently having a picture of a pear on

541
00:30:09,759 --> 00:30:17,069
the door didn't seem to offend anyone

542

00:30:12,930 --> 00:30:19,330
but but I think it gives an interesting

543
00:30:17,069 --> 00:30:22,470
perspective on the response and

544
00:30:19,329 --> 00:30:25,389
reactions of some of our academic

545
00:30:22,470 --> 00:30:27,789
colleagues and the community there that

546
00:30:25,390 --> 00:30:33,940
though the discomfort that they had with

547
00:30:27,789 --> 00:30:36,369
the program and although to its credit

548
00:30:33,940 --> 00:30:39,580
the university permitted us to continue

549
00:30:36,369 --> 00:30:42,819
with it they were very very careful

550
00:30:39,579 --> 00:30:44,769
about oversight and making sure we

551
00:30:42,819 --> 00:30:48,669
didn't do anything we'll make claims

552
00:30:44,769 --> 00:30:51,849
that were outlandish or too sensational

553
00:30:48,670 --> 00:30:54,730
I think is Bob put it they were worried

554
00:30:51,849 --> 00:30:57,549
about some of their alumni you know

555
00:30:54,730 --> 00:31:00,160
they're the big spender funders I could

556
00:30:57,549 --> 00:31:02,649

get embarrassed and they'd lose money

557

00:31:00,160 --> 00:31:05,170

although curiously most of our major

558

00:31:02,650 --> 00:31:09,310

supporters over the years were Princeton

559

00:31:05,170 --> 00:31:13,038

alumni since the James McDonald Laurance

560

00:31:09,309 --> 00:31:15,470

Rockefeller Donald Webster

561

00:31:13,038 --> 00:31:17,750

and one or two others you know who

562

00:31:15,470 --> 00:31:20,240

supported us privately because they were

563

00:31:17,750 --> 00:31:22,009

interested in what we were doing yeah

564

00:31:20,240 --> 00:31:24,019

Lawrence Rock and Hitler is quite an

565

00:31:22,009 --> 00:31:26,569

interesting fellow from the point of

566

00:31:24,019 --> 00:31:29,869

view of anomalies research since he's

567

00:31:26,569 --> 00:31:32,149

also been extremely interested in the

568

00:31:29,869 --> 00:31:35,569

study of UFOs I point that out simply

569

00:31:32,150 --> 00:31:38,960

because many of our listeners are people

570

00:31:35,569 --> 00:31:41,569

who are interested in what are UFOs in

571
00:31:38,960 --> 00:31:43,610
general so that is that yeah that is

572
00:31:41,569 --> 00:31:46,908
quite interesting I want to bring you

573
00:31:43,609 --> 00:31:49,609
back for a minute to something that I

574
00:31:46,909 --> 00:31:52,549
think that some of our listeners who

575
00:31:49,609 --> 00:31:54,319
aren't of the engineering persuasion

576
00:31:52,548 --> 00:31:57,528
probably need a little more information

577
00:31:54,319 --> 00:31:59,928
on in a very non-technical way you

578
00:31:57,528 --> 00:32:02,869
started to explain it but could you go

579
00:31:59,929 --> 00:32:05,630
back to random number generators and

580
00:32:02,869 --> 00:32:09,109
random event generators and sort of

581
00:32:05,630 --> 00:32:11,440
explain why you know how they work and

582
00:32:09,109 --> 00:32:14,750
and I understand they're still

583
00:32:11,440 --> 00:32:17,690
manufactured today by Siler on I believe

584
00:32:14,750 --> 00:32:20,298
which is an organization or a company

585
00:32:17,690 --> 00:32:22,820
that's sort of related to you're all

586
00:32:20,298 --> 00:32:26,179
there yeah they were that was founded by

587
00:32:22,819 --> 00:32:31,069
some of our former yes colleagues and

588
00:32:26,179 --> 00:32:32,600
students yeah a random event generator

589
00:32:31,069 --> 00:32:35,359
and a random number generator or

590
00:32:32,599 --> 00:32:37,908
basically the same thing okay it's just

591
00:32:35,359 --> 00:32:40,219
that we use the term random event

592
00:32:37,909 --> 00:32:43,070
generator because the devices that we

593
00:32:40,220 --> 00:32:45,679
use didn't technically generate numbers

594
00:32:43,069 --> 00:32:49,609
they generated binary bits ones and

595
00:32:45,679 --> 00:32:54,559
zeros okay and you end up with a string

596
00:32:49,609 --> 00:32:57,918
of random digits ones and zeros one one

597
00:32:54,558 --> 00:32:59,898
zero one zero zero one you know coming

598
00:32:57,919 --> 00:33:05,059
off this thing that the output was

599

00:32:59,898 --> 00:33:10,729
recorded in a computer and on a printed

600
00:33:05,058 --> 00:33:11,898
tape record and they were generated at

601
00:33:10,730 --> 00:33:14,179
varying speeds

602
00:33:11,898 --> 00:33:17,209
most of the data were generated at a

603
00:33:14,179 --> 00:33:21,370
thousand bits per second so they could

604
00:33:17,210 --> 00:33:24,860
generate a lot of data very rapidly and

605
00:33:21,369 --> 00:33:26,809
the the output of the random event

606
00:33:24,859 --> 00:33:31,189
generator the noise

607
00:33:26,809 --> 00:33:36,649
was converted to well as I say a string

608
00:33:31,190 --> 00:33:41,900
of bits and that went through a series

609
00:33:36,650 --> 00:33:45,980
of throw up our processes that counted

610
00:33:41,900 --> 00:33:48,920
and displayed these counts in numerical

611
00:33:45,980 --> 00:33:51,650
form mainly what they were looking at

612
00:33:48,920 --> 00:33:55,160
was the sequences of ones and zeros

613
00:33:51,650 --> 00:33:58,519

which should have been random to see how

614

00:33:55,160 --> 00:34:01,370

many times these bits conformed to a

615

00:33:58,519 --> 00:34:09,949

regular alternation of one zero one zero

616

00:34:01,369 --> 00:34:15,139

one zero okay okay now if by chance you

617

00:34:09,949 --> 00:34:19,009

would expect about 50% of the time to be

618

00:34:15,139 --> 00:34:22,009

a that it would match and so let's say

619

00:34:19,010 --> 00:34:27,410

you had generated a thousand of these

620

00:34:22,010 --> 00:34:32,740

bits you would expect a number of I'm

621

00:34:27,409 --> 00:34:32,739

sorry so like five hundred or once I

622

00:34:34,179 --> 00:34:40,039

know it looked at you at a hundred it

623

00:34:37,159 --> 00:34:42,619

looked at strings of a hundreds of 200

624

00:34:40,039 --> 00:34:44,659

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

625

00:34:42,619 --> 00:34:47,690

been a couple of years okay not a

626

00:34:44,659 --> 00:34:50,719

brother yeah so you'd have it would look

627

00:34:47,690 --> 00:34:53,630

at a string of 200 bits where it would

628
00:34:50,719 --> 00:34:57,319
expect a hundred matches to all the ones

629
00:34:53,630 --> 00:35:00,079
and zeros and by chance you'd expect a

630
00:34:57,320 --> 00:35:03,050
count of a hundred and people would look

631
00:35:00,079 --> 00:35:05,869
at these numbers coming out at about one

632
00:35:03,050 --> 00:35:08,320
per second and attempt to get more

633
00:35:05,869 --> 00:35:12,109
numbers that were over a hundred or more

634
00:35:08,320 --> 00:35:15,440
numbers that were under a hundred or to

635
00:35:12,110 --> 00:35:20,059
just let it generate these baselines and

636
00:35:15,440 --> 00:35:24,769
what we discovered was over many many

637
00:35:20,059 --> 00:35:26,570
trials there were more numbers above a

638
00:35:24,769 --> 00:35:29,480
hundred when people were trying to give

639
00:35:26,570 --> 00:35:32,660
high numbers and more numbers below when

640
00:35:29,480 --> 00:35:35,840
they were trying to get low numbers the

641
00:35:32,659 --> 00:35:38,839
effects were quite small but over many

642
00:35:35,840 --> 00:35:39,680
many trials they turned out to be

643
00:35:38,840 --> 00:35:43,059
statistic

644
00:35:39,679 --> 00:35:46,730
very unlikely to have occurred by chance

645
00:35:43,059 --> 00:35:51,409
let me give you an example let's say you

646
00:35:46,730 --> 00:35:54,769
flipped ten coins by chance you'd expect

647
00:35:51,409 --> 00:35:57,409
to get five heads right mm-hmm if you

648
00:35:54,769 --> 00:36:00,800
got six heads you wouldn't be overly

649
00:35:57,409 --> 00:36:03,739
impressed but let's say you flip that

650
00:36:00,800 --> 00:36:04,370
coin a hundred times and you got sixty

651
00:36:03,739 --> 00:36:07,819
heads

652
00:36:04,369 --> 00:36:11,230
well that was still only one extra head

653
00:36:07,820 --> 00:36:14,600
you know but it was happening too often

654
00:36:11,230 --> 00:36:18,230
when you did this a thousand times or

655
00:36:14,599 --> 00:36:20,779
ten thousand times and you got six

656

00:36:18,230 --> 00:36:22,599
thousand heads then you were looking at

657
00:36:20,780 --> 00:36:25,430
something that was very unlikely

658
00:36:22,599 --> 00:36:27,889
something was going on there you

659
00:36:25,429 --> 00:36:30,199
couldn't look at any individual number

660
00:36:27,889 --> 00:36:33,319
and tell that it was an anomalous number

661
00:36:30,199 --> 00:36:39,409
the anomaly appeared to be statistical

662
00:36:33,320 --> 00:36:41,090
in nature that is it was as if I'm not

663
00:36:39,409 --> 00:36:44,000
saying this is what happened but it

664
00:36:41,090 --> 00:36:46,130
would be as if somehow or other the

665
00:36:44,000 --> 00:36:49,849
consciousness of the operator was

666
00:36:46,130 --> 00:36:52,610
inserting some component of organization

667
00:36:49,849 --> 00:36:54,860
into this random process making it just

668
00:36:52,610 --> 00:36:58,099
a little less random than it should have

669
00:36:54,860 --> 00:37:02,090
been mm-hmm now I mention this because

670
00:36:58,099 --> 00:37:05,239

as a result of that small effect size

671

00:37:02,090 --> 00:37:08,539

that showed up only statistically over

672

00:37:05,239 --> 00:37:11,689

many many events and other factors that

673

00:37:08,539 --> 00:37:14,719

we discovered for example the fact that

674

00:37:11,690 --> 00:37:19,099

men and women operators tended to

675

00:37:14,719 --> 00:37:21,409

produce different patterns of results we

676

00:37:19,099 --> 00:37:26,269

also found that when we had two people

677

00:37:21,409 --> 00:37:29,599

working together if the two participants

678

00:37:26,269 --> 00:37:31,550

were opposite sex they were getting

679

00:37:29,599 --> 00:37:34,819

results that were about two and a half

680

00:37:31,550 --> 00:37:37,970

times larger than either of them would

681

00:37:34,820 --> 00:37:40,550

get individually if they were of the

682

00:37:37,969 --> 00:37:44,750

same sex the results candid to be just a

683

00:37:40,550 --> 00:37:49,490

chance if they if the opposite sex pairs

684

00:37:44,750 --> 00:37:53,460

were a couple their results tended to be

685
00:37:49,489 --> 00:37:56,009
even stronger something like 77

686
00:37:53,460 --> 00:37:58,740
times as large as what they would get

687
00:37:56,010 --> 00:38:00,869
individually so again this question

688
00:37:58,739 --> 00:38:05,189
comes up what in the world would gender

689
00:38:00,869 --> 00:38:08,039
have to do with this a few other things

690
00:38:05,190 --> 00:38:11,909
that were involved there but it led us

691
00:38:08,039 --> 00:38:13,969
to a hypothesis that we in fact we're

692
00:38:11,909 --> 00:38:18,328
working on a book on this topic that

693
00:38:13,969 --> 00:38:20,730
possibly what we're looking at here that

694
00:38:18,329 --> 00:38:24,990
we're calling consciousness is nothing

695
00:38:20,730 --> 00:38:28,949
more than the life force itself the

696
00:38:24,989 --> 00:38:31,979
process that underlies evolution you

697
00:38:28,949 --> 00:38:35,308
know evolution is a small effect that is

698
00:38:31,980 --> 00:38:37,710
driven by a small alteration of

699
00:38:35,309 --> 00:38:40,019
otherwise random processes you know

700
00:38:37,710 --> 00:38:44,720
genetic recombination and so forth

701
00:38:40,019 --> 00:38:48,949
uh-huh it's also something we're having

702
00:38:44,719 --> 00:38:52,379
male female input seems to enhance the

703
00:38:48,949 --> 00:38:55,828
process of the process one thinks and

704
00:38:52,380 --> 00:39:03,180
and anyway this is a very interesting

705
00:38:55,829 --> 00:39:05,210
area of exploration because most of the

706
00:39:03,179 --> 00:39:07,769
people who have looked at consciousness

707
00:39:05,210 --> 00:39:10,588
have tended to look at it either from

708
00:39:07,769 --> 00:39:14,039
the point of view of psychology or the

709
00:39:10,588 --> 00:39:18,349
point of view of physics okay except

710
00:39:14,039 --> 00:39:21,750
that what's going on here involves

711
00:39:18,349 --> 00:39:23,539
non-local effects both in the remote

712
00:39:21,750 --> 00:39:26,309
perception and in the human-machine

713

00:39:23,539 --> 00:39:29,250
experiments where people could be miles

714
00:39:26,309 --> 00:39:31,980
or even hundreds of miles away from the

715
00:39:29,250 --> 00:39:34,440
machines and still get the same effects

716
00:39:31,980 --> 00:39:38,130
they could even be thinking about the

717
00:39:34,440 --> 00:39:41,789
process the hours or even days before or

718
00:39:38,130 --> 00:39:45,119
after the machine was running it was

719
00:39:41,789 --> 00:39:47,699
clearly a non-local process and that was

720
00:39:45,119 --> 00:39:50,630
not associated with the brain of the

721
00:39:47,699 --> 00:39:55,608
person sitting in front of the machine

722
00:39:50,630 --> 00:39:59,700
the fact that it was non-local defied

723
00:39:55,608 --> 00:40:03,239
the primary tenets of physics namely

724
00:39:59,699 --> 00:40:05,548
that effect should fall off or with

725
00:40:03,239 --> 00:40:07,979
distance they should get weaker as you

726
00:40:05,548 --> 00:40:11,429
got further away

727
00:40:07,980 --> 00:40:14,070

and these results were challenging these

728

00:40:11,429 --> 00:40:17,669

rules of physics the rules of psychology

729

00:40:14,070 --> 00:40:20,430

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

730

00:40:17,670 --> 00:40:22,950

physics and it's not psychology maybe

731

00:40:20,429 --> 00:40:27,719

it's something that lies in the area of

732

00:40:22,949 --> 00:40:30,210

biology namely evolution okay or as I

733

00:40:27,719 --> 00:40:33,139

said the life force they along the towel

734

00:40:30,210 --> 00:40:37,590

as Bergson called it

735

00:40:33,139 --> 00:40:41,879

so anyway did I explain the process yes

736

00:40:37,590 --> 00:40:43,950

yes you did and I know I was gonna say a

737

00:40:41,880 --> 00:40:47,039

lot of interesting footnotes as well yes

738

00:40:43,949 --> 00:40:49,259

yes I have two kind of questions

739

00:40:47,039 --> 00:40:53,820

corollary questions and we had a

740

00:40:49,260 --> 00:40:56,460

gentleman on here who I know named dr.

741

00:40:53,820 --> 00:40:58,650

ross dunseith who seems to be doing some

742
00:40:56,460 --> 00:41:03,780
similar experiments down at dops

743
00:40:58,650 --> 00:41:07,410
under the subheading of like micro pique

744
00:41:03,780 --> 00:41:09,359
and and so you know how do you feel

745
00:41:07,409 --> 00:41:12,358
about that that's the first question

746
00:41:09,358 --> 00:41:14,549
and the second question is having to do

747
00:41:12,358 --> 00:41:17,099
with bringing these random number

748
00:41:14,550 --> 00:41:20,670
generators out to events which i believe

749
00:41:17,099 --> 00:41:23,190
is something that dr. Roger Nelson who

750
00:41:20,670 --> 00:41:25,800
was expected to be a future guest on

751
00:41:23,190 --> 00:41:27,059
shattered reality the the wonderful dr.

752
00:41:25,800 --> 00:41:28,740
Roger Nelson

753
00:41:27,059 --> 00:41:31,199
he brought things he brought these

754
00:41:28,739 --> 00:41:36,209
random number generators out to events

755
00:41:31,199 --> 00:41:38,309
and and saw a nominal anomalies there so

756
00:41:36,210 --> 00:41:40,710
I wonder if you would if you could talk

757
00:41:38,309 --> 00:41:43,559
to either of those two subjects well the

758
00:41:40,710 --> 00:41:45,570
first question I'm not familiar with

759
00:41:43,559 --> 00:41:47,219
that gentleman's work but I know there

760
00:41:45,570 --> 00:41:50,460
are a lot of people who are doing that

761
00:41:47,219 --> 00:41:53,189
kind of work and finding very similar

762
00:41:50,460 --> 00:41:57,119
results so although I can't speak pro or

763
00:41:53,190 --> 00:41:58,889
con to his particular studies I'm

764
00:41:57,119 --> 00:42:02,490
delighted to know that there are people

765
00:41:58,889 --> 00:42:04,789
you know doing that as far as these the

766
00:42:02,489 --> 00:42:09,919
other this is also a very interesting

767
00:42:04,789 --> 00:42:13,050
aspect of the payer program when our

768
00:42:09,920 --> 00:42:14,730
participants did their thing and we'd

769
00:42:13,050 --> 00:42:18,750
ask them you know what they were feeling

770

00:42:14,730 --> 00:42:20,730
and experiencing most of them said you

771
00:42:18,750 --> 00:42:23,010
know although what you're

772
00:42:20,730 --> 00:42:25,380
and here is the effect of intention

773
00:42:23,010 --> 00:42:28,589
there's more than just having an

774
00:42:25,380 --> 00:42:32,820
intention that's going on here one has

775
00:42:28,588 --> 00:42:36,389
to be resonant with the Machine one has

776
00:42:32,820 --> 00:42:38,780
to have an emotional connection much in

777
00:42:36,389 --> 00:42:42,088
the way a musician might have an

778
00:42:38,780 --> 00:42:45,660
emotional relationship with his in-store

779
00:42:42,088 --> 00:42:50,369
her instrument the way a race car driver

780
00:42:45,659 --> 00:42:55,259
has a bond with his car and so forth

781
00:42:50,369 --> 00:42:57,570
that this emotional thing was important

782
00:42:55,260 --> 00:42:59,040
to them and we said well it's very

783
00:42:57,570 --> 00:43:02,210
difficult to study

784
00:42:59,039 --> 00:43:05,369

you know emotion in a controlled

785

00:43:02,210 --> 00:43:07,139
protocol in the laboratory but what we

786

00:43:05,369 --> 00:43:10,289
could do was we could build these

787

00:43:07,139 --> 00:43:13,858
portable random event generators that

788

00:43:10,289 --> 00:43:17,210
could be taken out into the field this

789

00:43:13,858 --> 00:43:21,358
we we call this experiment field rig

790

00:43:17,210 --> 00:43:23,909
field or EEG which has a double entendre

791

00:43:21,358 --> 00:43:27,358
the field being you know out in the

792

00:43:23,909 --> 00:43:31,799
field and also being some help picking

793

00:43:27,358 --> 00:43:33,838
up some kind of emotional field and we

794

00:43:31,800 --> 00:43:37,470
would take these devices to different

795

00:43:33,838 --> 00:43:41,480
environments that might have a

796

00:43:37,469 --> 00:43:44,399
possibility of generating a strong

797

00:43:41,480 --> 00:43:47,338
emotional resonance among the

798

00:43:44,400 --> 00:43:49,710
participants it might be a prayer

799
00:43:47,338 --> 00:43:52,799
meeting it might be a meditation group

800
00:43:49,710 --> 00:43:56,358
it might be a concert but some place

801
00:43:52,800 --> 00:43:59,300
where there's a group of people who are

802
00:43:56,358 --> 00:44:02,279
if you will all on the same wavelength

803
00:43:59,300 --> 00:44:05,490
most of us have experienced that kind of

804
00:44:02,280 --> 00:44:07,619
thing or I hope we have it's really

805
00:44:05,489 --> 00:44:09,719
quite a transcendent experience where

806
00:44:07,619 --> 00:44:13,318
you feel like you're just part of

807
00:44:09,719 --> 00:44:15,239
something bigger you're no longer

808
00:44:13,318 --> 00:44:19,170
functioning as an individual but as a

809
00:44:15,239 --> 00:44:21,269
collective and we discovered that the

810
00:44:19,170 --> 00:44:23,750
random event generators which were just

811
00:44:21,269 --> 00:44:26,969
running unobserved in the background

812
00:44:23,750 --> 00:44:30,239
we're producing more ordered outputs

813
00:44:26,969 --> 00:44:35,649
during these periods where people did

814
00:44:30,239 --> 00:44:38,829
have this subjective feeling of of

815
00:44:35,650 --> 00:44:41,500
as opposed to when we brought it into

816
00:44:38,829 --> 00:44:44,110
more mundane environments maybe a

817
00:44:41,500 --> 00:44:47,920
lecture hall or maybe a board meeting or

818
00:44:44,110 --> 00:44:51,579
you know where nothing would show up now

819
00:44:47,920 --> 00:44:56,230
Roger Nelson who was working with us on

820
00:44:51,579 --> 00:44:59,130
this project became very intrigued by

821
00:44:56,230 --> 00:45:03,190
this and wanted to take it further and

822
00:44:59,130 --> 00:45:07,260
he developed this program he calls the

823
00:45:03,190 --> 00:45:12,030
global consciousness Network which

824
00:45:07,260 --> 00:45:12,030
involves having random event generators

825
00:45:12,150 --> 00:45:19,059
situated all over the world all over the

826
00:45:15,460 --> 00:45:21,190
planet I think last time I heard it was

827

00:45:19,059 --> 00:45:23,920
something on the order of 60 or 70 of

828
00:45:21,190 --> 00:45:26,230
these devices well all of which would be

829
00:45:23,920 --> 00:45:29,880
generating these random outputs

830
00:45:26,230 --> 00:45:34,809
continuously into a dedicated server and

831
00:45:29,880 --> 00:45:40,079
then if they would be time and date

832
00:45:34,809 --> 00:45:45,869
marked and during periods of strong

833
00:45:40,079 --> 00:45:57,009
global emotion there were significant

834
00:45:45,869 --> 00:45:59,079
again and increases in the the or should

835
00:45:57,010 --> 00:46:02,859
we say decreases in the randomness city

836
00:45:59,079 --> 00:46:05,920
okay he's done this he has some results

837
00:46:02,858 --> 00:46:10,420
his a global consciousness Network you

838
00:46:05,920 --> 00:46:12,670
can also look that up on the Internet

839
00:46:10,420 --> 00:46:15,309
and he describes hundreds of these

840
00:46:12,670 --> 00:46:19,300
trials with amazingly significant

841
00:46:15,309 --> 00:46:23,289

results one of the more well-known one

842

00:46:19,300 --> 00:46:27,240

was the output that occurred just before

843

00:46:23,289 --> 00:46:34,108

and during the 9/11 attacks in New York

844

00:46:27,239 --> 00:46:40,539

way back when Princess Diana's funeral

845

00:46:34,108 --> 00:46:43,449

that Barack Obama's election there was

846

00:46:40,539 --> 00:46:45,969

none for the most recent election to the

847

00:46:43,449 --> 00:46:47,619

best of my knowledge that I don't think

848

00:46:45,969 --> 00:46:50,859

would you this

849

00:46:47,619 --> 00:46:54,909

if he qualify as a resonant experience

850

00:46:50,860 --> 00:46:57,190

for most people well his his work is

851

00:46:54,909 --> 00:47:00,429

really really fascinating and we are

852

00:46:57,190 --> 00:47:04,900

hoping to have him on at sometime in the

853

00:47:00,429 --> 00:47:06,519

fall I want to I think you'd find it I

854

00:47:04,900 --> 00:47:09,070

think your listeners would find it

855

00:47:06,519 --> 00:47:12,690

fascinating it's really exciting stuff

856
00:47:09,070 --> 00:47:15,820
but again it's giving evidence for this

857
00:47:12,690 --> 00:47:19,659
non-local consciousness as an ordering

858
00:47:15,820 --> 00:47:21,010
principle yes and that's the key to the

859
00:47:19,659 --> 00:47:24,009
whole thing as far as we're concerned

860
00:47:21,010 --> 00:47:28,930
we're looking at some primordial

861
00:47:24,010 --> 00:47:31,060
ordering principle that effects life at

862
00:47:28,929 --> 00:47:34,359
least and probably probably all of

863
00:47:31,059 --> 00:47:36,940
nature in some way I mean if you're

864
00:47:34,360 --> 00:47:40,329
willing to concede that consciousness

865
00:47:36,940 --> 00:47:45,280
goes beyond just human experience

866
00:47:40,329 --> 00:47:48,219
absolutely am i feeling entirely you

867
00:47:45,280 --> 00:47:50,890
know to run one of these experiments

868
00:47:48,219 --> 00:47:55,799
alongside artificial intelligence and

869
00:47:50,889 --> 00:47:58,359
see if that I developed its own sense

870
00:47:55,800 --> 00:48:00,070
and would be interesting I don't know of

871
00:47:58,360 --> 00:48:02,740
anyone who's doing that but it would be

872
00:48:00,070 --> 00:48:04,809
a very interesting thing to study I know

873
00:48:02,739 --> 00:48:10,629
that Michio Kaku

874
00:48:04,809 --> 00:48:15,579
I heard him recently speaking about how

875
00:48:10,630 --> 00:48:20,619
to tell if artificial intelligence had

876
00:48:15,579 --> 00:48:24,489
gained self consciousness and it it he

877
00:48:20,619 --> 00:48:28,509
was speaking about putting a a bit into

878
00:48:24,489 --> 00:48:32,199
the brain or memory of this artificial

879
00:48:28,510 --> 00:48:33,940
intelligence that would shut it down if

880
00:48:32,199 --> 00:48:38,019
it started to have murderous thoughts

881
00:48:33,940 --> 00:48:41,139
about humans well I thought that was a

882
00:48:38,019 --> 00:48:48,190
rather novel I'm not familiar with that

883
00:48:41,139 --> 00:48:51,519
my own feeling on that is I could go

884

00:48:48,190 --> 00:48:57,570
back to a quote by oh god what's the guy

885
00:48:51,519 --> 00:49:01,119
who oh one of the early founders of

886
00:48:57,570 --> 00:49:05,380
computers a touring touring touring

887
00:49:01,119 --> 00:49:07,659
once was asked whether how weather how

888
00:49:05,380 --> 00:49:09,818
you could tell whether it artificial

889
00:49:07,659 --> 00:49:13,630
intelligence you know machine was

890
00:49:09,818 --> 00:49:16,599
conscious and his response was when you

891
00:49:13,630 --> 00:49:21,449
typed in a statement and the machine

892
00:49:16,599 --> 00:49:21,449
comes back with that minds me of a story

893
00:49:21,989 --> 00:49:31,478
from from my perspective and dr. Jones

894
00:49:27,748 --> 00:49:34,389
and based on what we have seen from our

895
00:49:31,478 --> 00:49:36,608
research there's more than intention

896
00:49:34,389 --> 00:49:39,118
there's more than a quantitative process

897
00:49:36,608 --> 00:49:43,719
going on here there is this emotional

898
00:49:39,119 --> 00:49:45,729

component of resonance and until a

899

00:49:43,719 --> 00:49:48,389

computer can develop that kind of

900

00:49:45,728 --> 00:49:48,389

emotional

901

00:49:48,518 --> 00:49:53,368

you know feature I don't think it has

902

00:49:51,068 --> 00:49:58,239

any chance of having real intelligence

903

00:49:53,369 --> 00:50:00,159

well it's not an opinion it's its

904

00:49:58,239 --> 00:50:05,528

opinion there's also a Syrian you

905

00:50:00,159 --> 00:50:07,689

ufology to where I mean for Bill and I

906

00:50:05,528 --> 00:50:10,298

used to kid around about the soul

907

00:50:07,688 --> 00:50:13,868

sucking vampires from outer space but

908

00:50:10,298 --> 00:50:17,139

that a lot of the little greys are

909

00:50:13,869 --> 00:50:20,798

supposedly just robotic Android type

910

00:50:17,139 --> 00:50:23,318

figures and really have no sense of

911

00:50:20,798 --> 00:50:25,088

being alive and that's why they've come

912

00:50:23,318 --> 00:50:27,579

to earth and that's why they're studied

913
00:50:25,088 --> 00:50:29,858
in humans like they just don't they just

914
00:50:27,579 --> 00:50:31,689
don't get it you know they can we tell

915
00:50:29,858 --> 00:50:34,268
you the frequency of the various shades

916
00:50:31,688 --> 00:50:36,719
of blue but they can't tell right why

917
00:50:34,268 --> 00:50:38,498
they like one shade over another and

918
00:50:36,719 --> 00:50:41,318
right and they don't they don't

919
00:50:38,498 --> 00:50:46,259
understand concepts like love or beauty

920
00:50:41,318 --> 00:50:50,259
or joy they say you know these words

921
00:50:46,259 --> 00:50:54,429
these are human and perhaps animal or

922
00:50:50,259 --> 00:50:57,188
even plant capabilities I mean

923
00:50:54,429 --> 00:51:00,489
definitely under me people talk to

924
00:50:57,188 --> 00:51:03,728
plants that I know my I have a couple of

925
00:51:00,489 --> 00:51:06,789
tech cats mm-hmm they they communicate

926
00:51:03,728 --> 00:51:11,379
not only with each other but with me you

927
00:51:06,789 --> 00:51:13,089
know and I've had in our book let me let

928
00:51:11,380 --> 00:51:15,568
me turn for a moment to molecular

929
00:51:13,088 --> 00:51:15,568
memories

930
00:51:15,570 --> 00:51:20,200
after we finished publishing

931
00:51:17,730 --> 00:51:22,510
consciousness on the source of reality a

932
00:51:20,199 --> 00:51:25,029
number of our friends and colleagues

933
00:51:22,510 --> 00:51:27,910
said you know you've written some good

934
00:51:25,030 --> 00:51:30,910
books describing your research but

935
00:51:27,909 --> 00:51:33,750
nobody will ever understand the real

936
00:51:30,909 --> 00:51:37,089
essence underlying the pair research

937
00:51:33,750 --> 00:51:40,500
unless they understand the strange and

938
00:51:37,090 --> 00:51:42,820
wonderful dynamic between human Bob John

939
00:51:40,500 --> 00:51:46,539
you really ought to write a book about

940
00:51:42,820 --> 00:51:50,260
that and that was what we did a year or

941

00:51:46,539 --> 00:51:51,969
two ago it's a book that has it was a

942
00:51:50,260 --> 00:51:56,260
wonderful book to write it has no

943
00:51:51,969 --> 00:51:59,500
equations no tables no you know it has

944
00:51:56,260 --> 00:52:02,700
some fun pictures yes basically it's the

945
00:51:59,500 --> 00:52:06,309
story of two people who really come from

946
00:52:02,699 --> 00:52:08,859
- almost two different universes okay

947
00:52:06,309 --> 00:52:11,559
I'm very little in common in the

948
00:52:08,860 --> 00:52:19,329
ordinary sense of the term but who

949
00:52:11,559 --> 00:52:22,960
shared a vision who respected and you

950
00:52:19,329 --> 00:52:25,480
know learned from each other and how

951
00:52:22,960 --> 00:52:30,599
somehow or other in the dynamic between

952
00:52:25,480 --> 00:52:33,789
the two of us how much as in you know a

953
00:52:30,599 --> 00:52:37,420
molecular configuration where you have

954
00:52:33,789 --> 00:52:40,239
two separate atoms that when they come

955
00:52:37,420 --> 00:52:42,340

together and form a molecule it turns

956

00:52:40,239 --> 00:52:44,919

out that the molecule has different

957

00:52:42,340 --> 00:52:47,410

characteristics than the individual

958

00:52:44,920 --> 00:52:51,490

atoms I mean look at water it's made up

959

00:52:47,409 --> 00:52:53,289

of oxygen and hydrogen but no matter how

960

00:52:51,489 --> 00:52:56,609

hard you look at oxygen or hydrogen

961

00:52:53,289 --> 00:52:59,050

you're not going to come up with water

962

00:52:56,610 --> 00:53:01,840

there's something that's going on here

963

00:52:59,050 --> 00:53:05,470

that unifies that in the relationship

964

00:53:01,840 --> 00:53:10,240

the dynamic of the interaction something

965

00:53:05,469 --> 00:53:13,179

special and unique happens and we also

966

00:53:10,239 --> 00:53:16,750

used to joke that Bob and I were almost

967

00:53:13,179 --> 00:53:21,489

like AES example of the wave particle

968

00:53:16,750 --> 00:53:26,110

duality yes I love that yeah he was very

969

00:53:21,489 --> 00:53:27,679

much the particle he was very precise

970
00:53:26,110 --> 00:53:31,430
about position

971
00:53:27,679 --> 00:53:33,440
and time and quantitative measurements

972
00:53:31,429 --> 00:53:37,399
and you know basically I mean he was an

973
00:53:33,440 --> 00:53:41,240
engineer okay and a physicist I was not

974
00:53:37,400 --> 00:53:43,730
I was more of a molecule and just as a

975
00:53:41,239 --> 00:53:47,328
part particle deals with position and

976
00:53:43,730 --> 00:53:51,318
momentum a wave deals with resonance

977
00:53:47,329 --> 00:53:53,359
with frequencies and amplitudes I'm good

978
00:53:51,318 --> 00:53:55,539
at frequencies and amplitudes but I get

979
00:53:53,358 --> 00:54:00,440
lost

980
00:53:55,539 --> 00:54:04,338
yeah but but it is really again this

981
00:54:00,440 --> 00:54:07,099
this complementarity of the two of us

982
00:54:04,338 --> 00:54:09,500
that made the the program what it was

983
00:54:07,099 --> 00:54:13,190
and the book describes a number of

984
00:54:09,500 --> 00:54:16,250
interesting anecdotes and little stories

985
00:54:13,190 --> 00:54:18,769
about our adventures together it's

986
00:54:16,250 --> 00:54:21,199
wonderful noting I might add some some

987
00:54:18,769 --> 00:54:27,530
of some wonderful experiences we had in

988
00:54:21,199 --> 00:54:29,719
interactions with animals and but I I

989
00:54:27,530 --> 00:54:32,210
can't you know tell you or your

990
00:54:29,719 --> 00:54:33,828
listeners that all the stories in the

991
00:54:32,210 --> 00:54:36,170
book but it's a fun read it is a

992
00:54:33,829 --> 00:54:38,599
wonderful book and I highly recommend it

993
00:54:36,170 --> 00:54:41,568
I just want to mention that I I do

994
00:54:38,599 --> 00:54:44,119
highly recommend the book I wanted to

995
00:54:41,568 --> 00:54:49,068
just the title that's not molecular

996
00:54:44,119 --> 00:54:53,210
molecular I thought it was a different

997
00:54:49,068 --> 00:54:55,818
book in addition to that no yeah it was

998

00:54:53,210 --> 00:54:57,440
published by the ICR Oprah's and that

999
00:54:55,818 --> 00:55:01,759
and all of our books are available

1000
00:54:57,440 --> 00:55:07,400
online through either Amazon or Barnes &

1001
00:55:01,760 --> 00:55:10,880
Noble so ok as I say you can you can go

1002
00:55:07,400 --> 00:55:12,889
to IC RL dot org look up you know click

1003
00:55:10,880 --> 00:55:15,588
on IC RL press and look at the whole

1004
00:55:12,889 --> 00:55:18,409
list of books and you can order them

1005
00:55:15,588 --> 00:55:19,909
from there but they they describe you

1006
00:55:18,409 --> 00:55:24,289
know give a little description of what

1007
00:55:19,909 --> 00:55:26,750
the books are as for me at this point in

1008
00:55:24,289 --> 00:55:31,250
my life I'm kind of glad to be out of

1009
00:55:26,750 --> 00:55:33,858
the science business and and I'm very

1010
00:55:31,250 --> 00:55:36,858
much enjoying being in the publishing

1011
00:55:33,858 --> 00:55:39,699
business where it's really yeah you know

1012
00:55:36,858 --> 00:55:41,838

it's a whole new thing for me and a

1013

00:55:39,699 --> 00:55:44,808
chance to

1014

00:55:41,838 --> 00:55:48,440
to learn you know from many different

1015

00:55:44,809 --> 00:55:51,349
perspectives different voices and

1016

00:55:48,440 --> 00:55:54,200
looking at different different ways of

1017

00:55:51,349 --> 00:55:56,869
looking at reality and looking for the

1018

00:55:54,199 --> 00:56:01,038
commonalities across all of these

1019

00:55:56,869 --> 00:56:02,390
different domains so as I say that

1020

00:56:01,039 --> 00:56:05,809
that's where I'm at

1021

00:56:02,389 --> 00:56:09,798
in this era of my life now that you know

1022

00:56:05,809 --> 00:56:12,740
I've we've retired from pair I'd I just

1023

00:56:09,798 --> 00:56:16,788
want to say what a wonderful thrill it

1024

00:56:12,739 --> 00:56:20,419
was for me to meet you and dr. Robert

1025

00:56:16,789 --> 00:56:24,019
John for the first time at the recent

1026

00:56:20,420 --> 00:56:25,940
SSE symposium up in Yale which is where

1027
00:56:24,018 --> 00:56:31,278
I made your acquaintance

1028
00:56:25,940 --> 00:56:35,990
and so at this and and you gave an

1029
00:56:31,278 --> 00:56:41,809
address to for the Founders Award which

1030
00:56:35,989 --> 00:56:43,998
was given to dr. John well that was last

1031
00:56:41,809 --> 00:56:45,859
year and this year they gave it to me

1032
00:56:43,998 --> 00:56:48,618
they gave it to you I'm sorry I got

1033
00:56:45,858 --> 00:56:51,259
confused there yeah well let me put in a

1034
00:56:48,619 --> 00:56:55,430
little plug if I may for the Society for

1035
00:56:51,259 --> 00:56:57,469
scientific exploration or sse and again

1036
00:56:55,429 --> 00:57:02,108
their website is scientific like

1037
00:56:57,469 --> 00:57:07,038
exploration org but sse was established

1038
00:57:02,108 --> 00:57:09,980
not long after pair was by a handful of

1039
00:57:07,039 --> 00:57:13,190
scholars who were interested in topics

1040
00:57:09,980 --> 00:57:17,480
that lay outside of traditional science

1041
00:57:13,190 --> 00:57:19,849
and who were finding a very skeptical or

1042
00:57:17,480 --> 00:57:22,248
negative response to their interests

1043
00:57:19,849 --> 00:57:23,809
among their colleagues they were having

1044
00:57:22,248 --> 00:57:27,348
difficult I mean these were people who

1045
00:57:23,809 --> 00:57:31,339
were interested in things like psychic

1046
00:57:27,349 --> 00:57:36,130
phenomena UFOs out-of-body experiences

1047
00:57:31,338 --> 00:57:39,798
and your death experiences reincarnation

1048
00:57:36,130 --> 00:57:42,608
homeopathy you know it's a whole broad

1049
00:57:39,798 --> 00:57:42,608
range of topics

1050
00:57:43,838 --> 00:57:52,338
cryptozoology you know the search for a

1051
00:57:45,920 --> 00:57:54,778
Bigfoot and and such and they decided

1052
00:57:52,338 --> 00:57:57,150
that since they could not get a

1053
00:57:54,778 --> 00:57:58,608
hearing from their professional

1054
00:57:57,150 --> 00:58:01,739
colleagues they would start their own

1055

00:57:58,608 --> 00:58:05,159
organization so FF II became a

1056
00:58:01,739 --> 00:58:07,619
professional society for the

1057
00:58:05,159 --> 00:58:10,709
presentation and sharing of research

1058
00:58:07,619 --> 00:58:14,669
that was going on in these fields that

1059
00:58:10,708 --> 00:58:17,338
lay sort of outside the mainstream this

1060
00:58:14,668 --> 00:58:20,058
is sorry I'm not quite sure I think this

1061
00:58:17,338 --> 00:58:25,168
last meeting was something like its 35th

1062
00:58:20,059 --> 00:58:29,249
annual meeting but both Bob and I were

1063
00:58:25,168 --> 00:58:33,208
active from the beginning in sse helping

1064
00:58:29,248 --> 00:58:35,158
to organize meetings we that we have a

1065
00:58:33,208 --> 00:58:38,458
journal the Journal of scientific

1066
00:58:35,159 --> 00:58:40,999
exploration that comes out quarterly

1067
00:58:38,458 --> 00:58:46,009
it's a refereed journal that it presents

1068
00:58:40,998 --> 00:58:50,998
good research in you know many of these

1069
00:58:46,009 --> 00:58:53,039

renegade heretical areas and it's very

1070

00:58:50,998 --> 00:58:56,399

interesting it also publishes a magazine

1071

00:58:53,039 --> 00:58:58,769

called edge science that's not quite as

1072

00:58:56,400 --> 00:59:03,079

technical but has some interesting

1073

00:58:58,768 --> 00:59:07,228

essays on on topics of this sort

1074

00:59:03,079 --> 00:59:09,989

alternative energy oh I can't even think

1075

00:59:07,228 --> 00:59:11,968

of you know all the topics but if you

1076

00:59:09,989 --> 00:59:15,119

can think of the topic that's outside

1077

00:59:11,969 --> 00:59:19,259

the mainstream it's inside sfe indeed it

1078

00:59:15,119 --> 00:59:21,809

is and you know ssee

1079

00:59:19,259 --> 00:59:24,059

encourages people to join as members or

1080

00:59:21,809 --> 00:59:26,099

associates so that you get a

1081

00:59:24,059 --> 00:59:30,140

subscription to the journal invitations

1082

00:59:26,099 --> 00:59:32,579

to the meetings and as you probably

1083

00:59:30,139 --> 00:59:35,848

gathered from your own experience these

1084
00:59:32,579 --> 00:59:38,519
meetings are fascinating not only are

1085
00:59:35,849 --> 00:59:41,159
the presentations interesting and

1086
00:59:38,518 --> 00:59:44,548
stimulating but the dynamic is wonderful

1087
00:59:41,159 --> 00:59:48,059
you have a bunch of of outcasts if you

1088
00:59:44,548 --> 00:59:51,798
will who come together and huddle for

1089
00:59:48,059 --> 00:59:54,929
warmth with others you know who have

1090
00:59:51,798 --> 00:59:59,599
experienced that kind of rejection and

1091
00:59:54,929 --> 01:00:02,009
it lends itself to a very warm community

1092
00:59:59,599 --> 01:00:04,068
you know it's that it's always good to

1093
01:00:02,009 --> 01:00:07,588
go you know and see one's friends

1094
01:00:04,068 --> 01:00:08,639
absolutely I observed in my talk this

1095
01:00:07,588 --> 01:00:11,400
year

1096
01:00:08,639 --> 01:00:13,500
it's great to see you know familiar

1097
01:00:11,400 --> 01:00:18,660
faces although so many of them have now

1098
01:00:13,500 --> 01:00:22,380
great the years have gone by myself

1099
01:00:18,659 --> 01:00:25,710
included but it is it is a great

1100
01:00:22,380 --> 01:00:27,960
organization and for people interested

1101
01:00:25,710 --> 01:00:30,590
in topics such as those you cover in

1102
01:00:27,960 --> 01:00:33,000
your broadcasts I think this would be a

1103
01:00:30,590 --> 01:00:34,950
society that they might be interested in

1104
01:00:33,000 --> 01:00:37,230
joining absolutely anyway that's my

1105
01:00:34,949 --> 01:00:39,899
that's my plug but you know you don't

1106
01:00:37,230 --> 01:00:42,619
have to plug it to us personally because

1107
01:00:39,900 --> 01:00:46,500
both Kate Valentine and myself are

1108
01:00:42,619 --> 01:00:49,049
associate members of the SS good but and

1109
01:00:46,500 --> 01:00:51,929
we have as you may know from the flyer

1110
01:00:49,050 --> 01:00:55,440
which I gave you at the SSE that we have

1111
01:00:51,929 --> 01:01:00,690
had any number of SSE members as guests

1112

01:00:55,440 --> 01:01:03,260
already and plan to have more if you

1113
01:01:00,690 --> 01:01:06,900
have incidentally if you haven't

1114
01:01:03,260 --> 01:01:09,840
approached William Bengston who is the

1115
01:01:06,900 --> 01:01:12,269
president of SSC he might be an

1116
01:01:09,840 --> 01:01:15,420
interesting person to talk to also he

1117
01:01:12,269 --> 01:01:20,599
has done some incredible research on

1118
01:01:15,420 --> 01:01:23,579
healing with particularly using mice and

1119
01:01:20,599 --> 01:01:26,940
using you know no medication or anything

1120
01:01:23,579 --> 01:01:34,650
just through pure consciousness been

1121
01:01:26,940 --> 01:01:36,929
able to cause cancers to disappear

1122
01:01:34,650 --> 01:01:39,960
what's the word I'm looking for

1123
01:01:36,929 --> 01:01:41,219
total remission permission remiss thank

1124
01:01:39,960 --> 01:01:44,400
you

1125
01:01:41,219 --> 01:01:48,269
yeah doctor Bengston is a very very

1126
01:01:44,400 --> 01:01:50,579

interesting person and certainly known

1127

01:01:48,269 --> 01:01:55,230

to us and we will certainly consider

1128

01:01:50,579 --> 01:01:58,949

that idea and we do have coming up we

1129

01:01:55,230 --> 01:02:01,920

hope dr. Roger Nelson and dr. Edie Kelly

1130

01:01:58,949 --> 01:02:05,009

two other members but we're going to

1131

01:02:01,920 --> 01:02:08,579

have to wind it down for today but

1132

01:02:05,010 --> 01:02:10,230

before we go I wanted to I had asked you

1133

01:02:08,579 --> 01:02:13,529

beforehand if you wanted to stick around

1134

01:02:10,230 --> 01:02:17,639

for the story that I wanted to tell

1135

01:02:13,530 --> 01:02:22,080

about what happened to me

1136

01:02:17,639 --> 01:02:25,920

prior to this recent SST meeting up in

1137

01:02:22,079 --> 01:02:28,019

and then during a little walk we took so

1138

01:02:25,920 --> 01:02:32,159

if you don't mind I'm going to tell that

1139

01:02:28,019 --> 01:02:33,449

story right now and I'd be delighted to

1140

01:02:32,159 --> 01:02:37,500

hear it okay

1141
01:02:33,449 --> 01:02:40,049
what let me at least say since we're

1142
01:02:37,500 --> 01:02:42,000
going to move on to another topic I want

1143
01:02:40,050 --> 01:02:44,730
to thank you for the opportunity to

1144
01:02:42,000 --> 01:02:49,349
share some of my experiences with your

1145
01:02:44,730 --> 01:02:53,219
your listeners and you know to invite me

1146
01:02:49,349 --> 01:02:55,469
to participate in this program and it's

1147
01:02:53,219 --> 01:02:57,719
just a pleasure for me and it's a

1148
01:02:55,469 --> 01:03:00,209
pleasure to get to know you well thank

1149
01:02:57,719 --> 01:03:03,269
you so much it's going to say oh yeah

1150
01:03:00,210 --> 01:03:07,769
really thank you for honor our honor to

1151
01:03:03,269 --> 01:03:13,469
to have you have you on the program in

1152
01:03:07,769 --> 01:03:16,440
any case just briefly - we have a sound

1153
01:03:13,469 --> 01:03:19,589
here that's okay it's not an EVP it's

1154
01:03:16,440 --> 01:03:24,599
just a phone it's a phone okay

1155
01:03:19,590 --> 01:03:28,620
so prior to attending the meeting at

1156
01:03:24,599 --> 01:03:31,619
Yale I was in Rhode Island and the last

1157
01:03:28,619 --> 01:03:35,130
night that I was in Rhode Island I had a

1158
01:03:31,619 --> 01:03:41,609
dream and in my dream I was walking down

1159
01:03:35,130 --> 01:03:43,829
a curved a sidewalk or a path a path

1160
01:03:41,610 --> 01:03:46,890
that was fairly well traversed not a

1161
01:03:43,829 --> 01:03:49,230
path in the woods and it was a curved

1162
01:03:46,889 --> 01:03:52,409
path and I was walking down this path

1163
01:03:49,230 --> 01:03:56,820
and somebody was standing on my left

1164
01:03:52,409 --> 01:04:00,299
side slightly behind me and I saw a

1165
01:03:56,820 --> 01:04:05,160
woman with a little dog in my dream and

1166
01:04:00,300 --> 01:04:08,730
this woman a you know was was was

1167
01:04:05,159 --> 01:04:13,559
walking the dog toward me and I said to

1168
01:04:08,730 --> 01:04:15,360
my I said to my companion who was on the

1169

01:04:13,559 --> 01:04:17,909
left slightly behind me

1170
01:04:15,360 --> 01:04:20,579
gee that dog looks like a miniature

1171
01:04:17,909 --> 01:04:23,879
German Shepherd and I wonder if that's

1172
01:04:20,579 --> 01:04:26,130
the kind of dog I should get and that

1173
01:04:23,880 --> 01:04:27,930
was kind of the beginning in the end of

1174
01:04:26,130 --> 01:04:31,079
the dream that was a the light was

1175
01:04:27,929 --> 01:04:32,789
golden there was a friend on my my I'm

1176
01:04:31,079 --> 01:04:34,130
sorry on my right side I did say on my

1177
01:04:32,789 --> 01:04:36,529
left on my rights

1178
01:04:34,130 --> 01:04:39,289
and I made this comment about a

1179
01:04:36,530 --> 01:04:40,880
miniature German Shepherd and I thought

1180
01:04:39,289 --> 01:04:44,329
about this dream I thought how unusual

1181
01:04:40,880 --> 01:04:47,630
it was and I made note of it because I

1182
01:04:44,329 --> 01:04:52,489
keep a dream diary well the next night

1183
01:04:47,630 --> 01:04:55,640

was my first night at the at the Yale

1184

01:04:52,489 --> 01:04:59,599

facility and I had reason to call up my

1185

01:04:55,639 --> 01:05:02,809

my co-conspirator miss Kate Valentine

1186

01:04:59,599 --> 01:05:05,059

here's man I because we often talk about

1187

01:05:02,809 --> 01:05:06,920

animals we're both animal lovers and we

1188

01:05:05,059 --> 01:05:09,940

and I've spoken to her before about how

1189

01:05:06,920 --> 01:05:13,490

much I'd like to have a dog and so I

1190

01:05:09,940 --> 01:05:15,980

said to her I told her about my dream

1191

01:05:13,489 --> 01:05:19,219

and I said that I thought she might have

1192

01:05:15,980 --> 01:05:20,690

been the person on my right behind me

1193

01:05:19,219 --> 01:05:21,500

because of the fact we always talk about

1194

01:05:20,690 --> 01:05:24,619

dogs

1195

01:05:21,500 --> 01:05:26,659

well her comment to me was that as far

1196

01:05:24,619 --> 01:05:28,279

as she knew there was no miniature

1197

01:05:26,659 --> 01:05:30,319

German Shepherd but there were a lot of

1198
01:05:28,280 --> 01:05:32,600
nice mixed breed dogs who might look

1199
01:05:30,320 --> 01:05:35,150
like a miniature German Shepherd and I

1200
01:05:32,599 --> 01:05:37,159
said hey Kate that's cool and we moved

1201
01:05:35,150 --> 01:05:40,550
on to other stuff but I did explain to

1202
01:05:37,159 --> 01:05:45,279
her my dream in just oh yeah I verify it

1203
01:05:40,550 --> 01:05:49,460
ok good so then the day after that night

1204
01:05:45,280 --> 01:05:53,510
I was at the yale dining hall dining

1205
01:05:49,460 --> 01:05:58,280
with a group of people who included my

1206
01:05:53,510 --> 01:06:02,440
friend mike turner who also had part in

1207
01:05:58,280 --> 01:06:05,150
the experiments that a doctor bill

1208
01:06:02,440 --> 01:06:06,639
Bankston made with the mice etcetera I

1209
01:06:05,150 --> 01:06:09,769
think he did some form of statistical

1210
01:06:06,639 --> 01:06:14,509
analysis and so forth I'm I'm not quite

1211
01:06:09,769 --> 01:06:17,630
clear but doctor Bengston came over to

1212
01:06:14,510 --> 01:06:21,140
Mike and said would you mind walking

1213
01:06:17,630 --> 01:06:23,269
over to the next location which was kind

1214
01:06:21,139 --> 01:06:25,159
of far away from the dining hall and

1215
01:06:23,269 --> 01:06:27,469
everybody was confused as to the maps

1216
01:06:25,159 --> 01:06:31,190
and so forth and he said would you mind

1217
01:06:27,469 --> 01:06:36,019
walking over with Brenda Dunn and Bob

1218
01:06:31,190 --> 01:06:37,610
John dr. Bob John to the next of the

1219
01:06:36,019 --> 01:06:39,679
location so that they get there on time

1220
01:06:37,610 --> 01:06:42,380
and at all you know that everybody goes

1221
01:06:39,679 --> 01:06:46,819
where there should go so the four of us

1222
01:06:42,380 --> 01:06:50,660
proceeded to walk across the

1223
01:06:46,820 --> 01:06:55,490
the main streets in New Haven where Yale

1224
01:06:50,659 --> 01:06:58,119
is located with a Michael Turner on my

1225
01:06:55,489 --> 01:07:01,939
right side just slightly behind me and

1226

01:06:58,119 --> 01:07:05,179
Brenda Dunn and Bob John walking just

1227
01:07:01,940 --> 01:07:07,940
slightly behind when along comes this

1228
01:07:05,179 --> 01:07:11,929
lady with a little dog down a curved

1229
01:07:07,940 --> 01:07:15,829
sidewalk towards me and my Walker

1230
01:07:11,929 --> 01:07:18,199
friends and it was just the most

1231
01:07:15,829 --> 01:07:21,799
beautiful little puppy and when it

1232
01:07:18,199 --> 01:07:23,869
finally reached us I think somebody

1233
01:07:21,800 --> 01:07:26,480
might have been me said what kind of a

1234
01:07:23,869 --> 01:07:29,659
dog is that to which the young woman

1235
01:07:26,480 --> 01:07:32,510
replied it is an Austrian Austria

1236
01:07:29,659 --> 01:07:35,299
miniature Australian Shepherd and all of

1237
01:07:32,510 --> 01:07:38,720
a sudden it became clear to me that my

1238
01:07:35,300 --> 01:07:42,650
dream had pretty much been realized in

1239
01:07:38,719 --> 01:07:44,869
real life and I since I didn't really

1240
01:07:42,650 --> 01:07:46,730

know anything about an Australian

1241

01:07:44,869 --> 01:07:49,909

Shepherd or a miniature Australian

1242

01:07:46,730 --> 01:07:52,550

Shepherd my monkey mind translated that

1243

01:07:49,909 --> 01:07:57,170

into a miniature German Shepherd and I

1244

01:07:52,550 --> 01:08:00,800

was ecstatic over the fact that both you

1245

01:07:57,170 --> 01:08:03,170

Brenda and dr. John seemed to be very

1246

01:08:00,800 --> 01:08:05,450

entranced by the dog and I realized that

1247

01:08:03,170 --> 01:08:08,420

the two of you were both dog lovers and

1248

01:08:05,449 --> 01:08:09,429

so I realized I was amongst my kind of

1249

01:08:08,420 --> 01:08:12,650

people

1250

01:08:09,429 --> 01:08:15,259

yeah i reaiiy remember the event quite

1251

01:08:12,650 --> 01:08:18,109

clearly because it was the very friendly

1252

01:08:15,260 --> 01:08:19,880

little puppy that came up and wanted you

1253

01:08:18,109 --> 01:08:22,490

know to be petted in the attention and

1254

01:08:19,880 --> 01:08:25,460

it was wagging its tail like crazy we

1255
01:08:22,489 --> 01:08:29,539
were all away annoying over it yes and

1256
01:08:25,460 --> 01:08:31,640
so so that's my little did you kid go

1257
01:08:29,539 --> 01:08:34,250
ahead did you get in Australian Shepherd

1258
01:08:31,640 --> 01:08:37,338
no I haven't gotten a dog yet I don't

1259
01:08:34,250 --> 01:08:40,189
think that I probably would get a

1260
01:08:37,338 --> 01:08:43,430
pedigree dog unless it was a rescue I'm

1261
01:08:40,189 --> 01:08:46,569
more the rescue type in terms of my my

1262
01:08:43,430 --> 01:08:49,280
many cats and my occasional dog I

1263
01:08:46,569 --> 01:08:51,679
haven't gotten a dog yet because it

1264
01:08:49,279 --> 01:08:55,880
doesn't seem to be the right time but I

1265
01:08:51,680 --> 01:08:58,700
will certainly look for a lovely dog

1266
01:08:55,880 --> 01:09:00,260
when it's when I'm able to get one but

1267
01:08:58,699 --> 01:09:03,229
you know you talk I'm

1268
01:09:00,260 --> 01:09:07,730
mentioned that over the years I have

1269
01:09:03,229 --> 01:09:11,209
gotten countless stories from people

1270
01:09:07,729 --> 01:09:13,869
about similar things dreams that you

1271
01:09:11,210 --> 01:09:17,180
know happened just as they were dreamt

1272
01:09:13,869 --> 01:09:19,609
you know precognitive experiences that

1273
01:09:17,180 --> 01:09:23,150
then came came about just as they had

1274
01:09:19,609 --> 01:09:25,819
been envisioned you know people have

1275
01:09:23,149 --> 01:09:28,729
asked me can you explain this and me I'm

1276
01:09:25,819 --> 01:09:31,309
like typical answer is I can't explain

1277
01:09:28,729 --> 01:09:34,129
it I can tell you is based on my

1278
01:09:31,310 --> 01:09:38,600
experience it's far more common than

1279
01:09:34,130 --> 01:09:40,819
most people would think but you talk

1280
01:09:38,600 --> 01:09:43,250
about emergent psychology like with

1281
01:09:40,819 --> 01:09:46,549
friend number generators I mean you even

1282
01:09:43,250 --> 01:09:49,489
take a look at dogs a a dog will react

1283

01:09:46,550 --> 01:09:54,409
certainly one way a pack of dogs reacts

1284
01:09:49,489 --> 01:09:59,229
a whole different ways so you know well

1285
01:09:54,409 --> 01:10:03,260
if I have another moment on the air but

1286
01:09:59,229 --> 01:10:07,809
we actually had a friend also a member

1287
01:10:03,260 --> 01:10:10,670
of SASE who used to have a number of

1288
01:10:07,810 --> 01:10:13,850
raccoons who lived in the woods behind

1289
01:10:10,670 --> 01:10:16,520
her house and they would come up to the

1290
01:10:13,850 --> 01:10:21,020
porch her back porch and she put out

1291
01:10:16,520 --> 01:10:23,630
peanuts for them and she once said to me

1292
01:10:21,020 --> 01:10:26,390
you know those raccoons are so clever

1293
01:10:23,630 --> 01:10:29,449
and they will do just about anything to

1294
01:10:26,390 --> 01:10:32,570
get peanuts mm-hmm I said to her

1295
01:10:29,449 --> 01:10:38,659
anything and she looked at me and I

1296
01:10:32,569 --> 01:10:42,170
looked at her we developed a little obey

1297
01:10:38,659 --> 01:10:46,010

ston an old gumball dispenser hooked up

1298

01:10:42,170 --> 01:10:50,000

to a random event yet oh my gosh we with

1299

01:10:46,010 --> 01:10:53,030

filled with peanuts that's and it turned

1300

01:10:50,000 --> 01:10:54,800

out it never really went too far because

1301

01:10:53,029 --> 01:10:57,319

she ended up with some technical

1302

01:10:54,800 --> 01:11:00,619

problems with the device but in the

1303

01:10:57,319 --> 01:11:03,170

meantime over the time that she had she

1304

01:11:00,619 --> 01:11:06,079

said that it was really astounding how

1305

01:11:03,170 --> 01:11:08,899

these raccoons would come up and do if

1306

01:11:06,079 --> 01:11:11,449

each would have their own technique for

1307

01:11:08,899 --> 01:11:13,819

example one would put its paws on the

1308

01:11:11,449 --> 01:11:14,130

machine and then step back and wait for

1309

01:11:13,819 --> 01:11:16,710

it to

1310

01:11:14,130 --> 01:11:19,289

spends peanuts another one would walk

1311

01:11:16,710 --> 01:11:22,590

around it and then come to the front

1312
01:11:19,289 --> 01:11:24,750
wait for it to dispense and another one

1313
01:11:22,590 --> 01:11:26,639
which I thought was a riot said would

1314
01:11:24,750 --> 01:11:29,039
look at the machine turn its back and

1315
01:11:26,639 --> 01:11:31,020
walk to the edge of the porch as if it

1316
01:11:29,039 --> 01:11:35,000
was ignoring it and then stop and look

1317
01:11:31,020 --> 01:11:39,600
over its shoulder oh boy I like that one

1318
01:11:35,000 --> 01:11:42,920
but yes I think experiments along these

1319
01:11:39,600 --> 01:11:45,870
lines with animals would be fantastic

1320
01:11:42,920 --> 01:11:48,210
they are so much better than we are at

1321
01:11:45,869 --> 01:11:53,158
pure perception you know without all the

1322
01:11:48,210 --> 01:11:55,500
monkey mind getting away and I suspect I

1323
01:11:53,158 --> 01:11:57,899
suspect the results could be very

1324
01:11:55,500 --> 01:12:00,719
interesting it sounds like a wonderful

1325
01:11:57,899 --> 01:12:04,500
idea for somebody somebody young

1326
01:12:00,719 --> 01:12:06,719
scientists from the SSE group to to work

1327
01:12:04,500 --> 01:12:09,060
on and we can put it out there for them

1328
01:12:06,719 --> 01:12:12,710
I'm afraid the time has come at this

1329
01:12:09,060 --> 01:12:16,620
juncture yeah where we need to say idea

1330
01:12:12,710 --> 01:12:19,198
of either saying sayonara but thank you

1331
01:12:16,619 --> 01:12:21,090
so much is a very fascinating discussion

1332
01:12:19,198 --> 01:12:22,979
I appreciate your your spending this

1333
01:12:21,090 --> 01:12:28,980
time with them thank you so much Brenda

1334
01:12:22,979 --> 01:12:33,750
done former lab director at pair and a

1335
01:12:28,979 --> 01:12:37,289
current publisher for IC RL thank you so

1336
01:12:33,750 --> 01:12:38,279
much for participating with us and it

1337
01:12:37,289 --> 01:12:44,960
was my pleasure

1338
01:12:38,279 --> 01:12:49,130
okay it's time to say goodbye from

1339
01:12:44,960 --> 01:12:49,130
shattered reality

1340

01:12:54,949 --> 01:12:58,659
[Music]

1341
01:13:05,529 --> 01:13:08,948
what was it

1342
01:13:14,949 --> 01:13:17,010
you