



**Brian Dunning
Skeptiko #363**

1
00:00:11,480 --> 00:00:08,690
welcome back everybody

2
00:00:14,060 --> 00:00:11,490
moving right along as they say get your

3
00:00:16,160 --> 00:00:14,070
seats [h__\h] easy this is gonna be a

4
00:00:20,109 --> 00:00:16,170
killer panel I'm so excited to listen to

5
00:00:23,509 --> 00:00:20,119
this coming up now we got magicians

6
00:00:26,439 --> 00:00:23,519
versus psychics is it just me or does

7
00:00:29,859 --> 00:00:26,449
the whole skeptical thing just sound

8
00:00:33,530 --> 00:00:29,869
dated like this clip from James Randy's

9
00:00:35,479 --> 00:00:33,540
2013 amazing meeting conference here is

10
00:00:38,060 --> 00:00:35,489
the Haiku for magicians versus psychics

11
00:00:41,270 --> 00:00:38,070
both groups flat-out lie

12
00:00:46,010 --> 00:00:41,280
you know magicians psychics only once

13
00:00:46,250 --> 00:00:46,020

honest dated in a Johnny Carson kind of

14

00:00:53,410 --> 00:00:46,260

way

15

00:00:59,600 --> 00:00:56,300

it's still amazing to me that just a few

16

00:01:02,260 --> 00:00:59,610

short years ago real scientists like

17

00:01:06,050 --> 00:01:02,270

Richard Dawkins and Neil deGrasse Tyson

18

00:01:08,440 --> 00:01:06,060

really embrace this skeptical nonsense

19

00:01:11,090 --> 00:01:08,450

that was stirred up by James Randi

20

00:01:13,730 --> 00:01:11,100

especially since as I tried to explain

21

00:01:16,690 --> 00:01:13,740

to today's guest Brian Dunning the

22

00:01:19,880 --> 00:01:16,700

creator and host of the skeptoid podcast

23

00:01:21,520 --> 00:01:19,890

James Randi has been outed as a liar

24

00:01:26,120 --> 00:01:21,530

over and over again

25

00:01:27,859 --> 00:01:26,130

this guy was caught lying over and over

26

00:01:30,710 --> 00:01:27,869

he lied about Uri Geller he lied about

27

00:01:31,850 --> 00:01:30,720

Rupert Sheldrake he lied to dozens of

28

00:01:33,530 --> 00:01:31,860

people about the million-dollar

29

00:01:34,880 --> 00:01:33,540

challenge and that was find out you know

30

00:01:37,120 --> 00:01:34,890

the whole thing he lied about his

31

00:01:40,820 --> 00:01:37,130

background he claimed he was like this

32

00:01:42,710 --> 00:01:40,830

genius IQ of 186 and he didn't have to

33

00:01:46,130 --> 00:01:42,720

go to school he had this special I mean

34

00:01:48,980 --> 00:01:46,140

his whole story was just one lie after

35

00:01:52,249 --> 00:01:48,990

another and this guy you really consider

36

00:01:54,590 --> 00:01:52,259

him a mentor in what way was he a mentor

37

00:01:56,270 --> 00:01:54,600

or someone who you would kind of look up

38

00:01:58,370 --> 00:01:56,280

to well first of all I want to say I

39

00:02:02,090 --> 00:01:58,380

don't know anything about any of those

40

00:02:03,950 --> 00:02:02,100

charges you just threw at him and I I

41

00:02:07,279 --> 00:02:03,960

don't judge my friends based on what

42

00:02:10,850 --> 00:02:07,289

other people say about them now skeptics

43

00:02:13,670 --> 00:02:10,860

still can provide a backdrop if you will

44

00:02:16,400 --> 00:02:13,680

to the real frontier science that's

45

00:02:19,580 --> 00:02:16,410

going on and I tried to explain that to

46

00:02:21,890 --> 00:02:19,590

Brian in this interview but we didn't

47

00:02:24,680 --> 00:02:21,900

get very far so I'll include some

48

00:02:27,740 --> 00:02:24,690

additional clips at the end of this show

49

00:02:33,200 --> 00:02:27,750

but it sure seems to me like this whole

50

00:02:36,890 --> 00:02:33,210

skeptical thing is over and like Brian's

51
00:02:39,559 --> 00:02:36,900
new film principles of curiosity the

52
00:02:41,990 --> 00:02:39,569
result many of the new science

53
00:02:43,910 --> 00:02:42,000
discoveries you hear about on the TV

54
00:02:47,110 --> 00:02:43,920
news or read on a consumer focused

55
00:02:50,390 --> 00:02:47,120
website really are more than likely

56
00:03:00,180 --> 00:02:57,059
it always sounds a little dated stay

57
00:03:04,190 --> 00:03:00,190
with me my interview with Brian Dunning

58
00:03:13,210 --> 00:03:04,200
of skeptoid is next on skeptic

59
00:03:18,110 --> 00:03:15,979
today we welcome Brian Dunning back to

60
00:03:20,900 --> 00:03:18,120
skeptic Oh Brian is the creator and host

61
00:03:24,050 --> 00:03:20,910
of skeptoid a long-running and very

62
00:03:26,600 --> 00:03:24,060
popular podcast about skepticism and

63
00:03:30,320 --> 00:03:26,610

he's just released a new documentary

64

00:03:33,170 --> 00:03:30,330

film titled principles of curiosity

65

00:03:34,309 --> 00:03:33,180

Brian welcome back to skeptic oh thanks

66

00:03:36,800 --> 00:03:34,319

so much for joining me

67

00:03:38,270 --> 00:03:36,810

hey thanks been a long long time a lot

68

00:03:41,150 --> 00:03:38,280

of water under the bridge it's good to

69

00:03:43,039 --> 00:03:41,160

be back it has I looked it up was 2009

70

00:03:44,800 --> 00:03:43,049

oh my gosh

71

00:03:48,770 --> 00:03:44,810

we've both been doing this for too long

72

00:03:53,559 --> 00:03:48,780

yes we got into it knowing that it would

73

00:04:00,319 --> 00:03:56,809

well you know it's funny because I did

74

00:04:02,300 --> 00:04:00,329

look up that last show but and it's

75

00:04:04,910 --> 00:04:02,310

interesting I don't know how much we've

76

00:04:07,160 --> 00:04:04,920

changed which is kind of interesting in

77

00:04:08,869 --> 00:04:07,170

and of itself but tell me I think a lot

78

00:04:11,990 --> 00:04:08,879

has been going on you've done a lot of

79

00:04:13,789 --> 00:04:12,000

episodes on skeptoid and you need to

80

00:04:16,400 --> 00:04:13,799

bring people up to date on that and then

81

00:04:18,920 --> 00:04:16,410

on this new movie of yours principles of

82

00:04:20,870 --> 00:04:18,930

curiosity so give us a brief recap in

83

00:04:23,779 --> 00:04:20,880

and really Brian you know start with

84

00:04:25,790 --> 00:04:23,789

kind of your background who you are and

85

00:04:29,570 --> 00:04:25,800

then a little bit maybe about the show

86

00:04:34,339 --> 00:04:29,580

all right well uh so my background is in

87

00:04:36,260 --> 00:04:34,349

computer science and my best academic

88

00:04:39,379 --> 00:04:36,270

credential is writing for film and

89

00:04:41,930 --> 00:04:39,389

television from UCLA now it's hard to

90

00:04:46,010 --> 00:04:41,940

kind of combine those two things and so

91

00:04:48,320 --> 00:04:46,020

for years and years and years my career

92

00:04:51,830 --> 00:04:48,330

was basically just doing computer

93

00:04:54,440 --> 00:04:51,840

science stuff and when podcasting came

94

00:04:57,320 --> 00:04:54,450

out in 2006 it's like hey here's a

95

00:04:59,300 --> 00:04:57,330

chance to finally combine my interests

96

00:05:02,140 --> 00:04:59,310

the writing the entertainment and and

97

00:05:05,089 --> 00:05:02,150

the science and so I started doing

98

00:05:07,270 --> 00:05:05,099

skeptoid I found out what podcasts were

99

00:05:10,510 --> 00:05:07,280

and I listened to a couple of them and I

100

00:05:12,860 --> 00:05:10,520

remember back then that was probably

101
00:05:16,040 --> 00:05:12,870
2005-2006 that I first learned about

102
00:05:17,839 --> 00:05:16,050
them and I guess Steve Jobs head had

103
00:05:21,080 --> 00:05:17,849
highlighted skepticism

104
00:05:23,959 --> 00:05:21,090
at one of his keynote speeches and so I

105
00:05:26,149 --> 00:05:23,969
checked that one out and I'm like ah

106
00:05:27,919 --> 00:05:26,159
I've heard this yeah I remember

107
00:05:29,179 --> 00:05:27,929
I've heard that guy James Randi I've

108
00:05:31,159 --> 00:05:29,189
heard of that before I kind of

109
00:05:33,049 --> 00:05:31,169
discovered that there was the whole

110
00:05:36,049 --> 00:05:33,059
skeptical community kind of centered

111
00:05:38,269 --> 00:05:36,059
around Randy and his amazing meeting and

112
00:05:42,909 --> 00:05:38,279
all of that stuff so when I started

113
00:05:46,129 --> 00:05:42,919

doing my podcast which was October 2006

114

00:05:50,479 --> 00:05:46,139

it was kind of you know my take on the

115

00:05:52,519 --> 00:05:50,489

usual skeptical issues whether they were

116

00:05:54,320 --> 00:05:52,529

personal interests of mine or not I just

117

00:05:55,969 --> 00:05:54,330

kind of started doing shows about what I

118

00:06:00,139 --> 00:05:55,979

would thought I was supposed to be doing

119

00:06:02,299 --> 00:06:00,149

shows about and you know I was fortunate

120

00:06:03,889 --> 00:06:02,309

in that people really responded to my

121

00:06:08,059 --> 00:06:03,899

show and they liked it and they began

122

00:06:10,040 --> 00:06:08,069

supporting it and it eventually was able

123

00:06:12,379 --> 00:06:10,050

to become my full-time job then it

124

00:06:16,399 --> 00:06:12,389

became a non-profit and now it it's a

125

00:06:19,669 --> 00:06:16,409

decent little running concern but over

126

00:06:21,980 --> 00:06:19,679

all of those years the show evolved not

127

00:06:23,899 --> 00:06:21,990

a whole lot because consistency is super

128

00:06:26,629 --> 00:06:23,909

important in having a successful podcast

129

00:06:29,359 --> 00:06:26,639

but the show evolved I'd say mainly in

130

00:06:32,209 --> 00:06:29,369

terms of the the type of content as it

131

00:06:34,040 --> 00:06:32,219

shifted more toward my personal interest

132

00:06:36,109 --> 00:06:34,050

and my personal interests also probably

133

00:06:38,659 --> 00:06:36,119

evolved just over the course of this

134

00:06:41,629 --> 00:06:38,669

deep deep exposure to all of these

135

00:06:43,819 --> 00:06:41,639

topics and I'd say that the kinds of

136

00:06:47,449 --> 00:06:43,829

subjects that I that I liked the best

137

00:06:51,439 --> 00:06:47,459

have to do with the science behind urban

138

00:06:53,389 --> 00:06:51,449

legends events in history that that are

139

00:06:57,319 --> 00:06:53,399

either misunderstood or misrepresented

140

00:07:00,469 --> 00:06:57,329

and that's really I think what what I

141

00:07:03,829 --> 00:07:00,479

would say my true love is like if I cast

142

00:07:07,119 --> 00:07:03,839

my eye over recent episodes that I did

143

00:07:09,529 --> 00:07:07,129

one about relic Japanese soldiers

144

00:07:11,959 --> 00:07:09,539

Japanese you know there's always these

145

00:07:13,459 --> 00:07:11,969

urban legends about a Japanese soldier

146

00:07:14,929 --> 00:07:13,469

who comes out of the jungle and he

147

00:07:16,459 --> 00:07:14,939

doesn't know that the war has ended and

148

00:07:18,649 --> 00:07:16,469

he stills tries to take people prisoner

149

00:07:21,259 --> 00:07:18,659

with his rifle was there ever any truth

150

00:07:24,919 --> 00:07:21,269

to that so I did a show about that then

151

00:07:27,619 --> 00:07:24,929

there was a really famous UFO incident

152

00:07:30,499 --> 00:07:27,629

Lonnie Zamora and the Socorro UFO and if

153

00:07:33,439 --> 00:07:30,509

anyone knows UF ology at all you've

154

00:07:34,850 --> 00:07:33,449

you've at least heard those names so I

155

00:07:37,459 --> 00:07:34,860

got to dig in and find out what that was

156

00:07:40,430 --> 00:07:37,469

all about and find out how that was

157

00:07:42,740 --> 00:07:40,440

eventually solved you know I try to be

158

00:07:45,920 --> 00:07:42,750

much more of a science writer at a

159

00:07:48,380 --> 00:07:45,930

science journalist rather than making my

160

00:07:50,510 --> 00:07:48,390

own conclusions I report the conclusions

161

00:07:54,200 --> 00:07:50,520

that the real experts have made and in

162

00:07:57,140 --> 00:07:54,210

whatever the subject matter is how did

163

00:08:01,190 --> 00:07:57,150

that lead to this movie principles of

164

00:08:02,540 --> 00:08:01,200

curiosity yeah so over the years you

165

00:08:05,320 --> 00:08:02,550

know it's interesting because you find

166

00:08:08,900 --> 00:08:05,330

out what your listeners respond to by

167

00:08:11,360 --> 00:08:08,910

them writing in and telling you and what

168

00:08:13,910 --> 00:08:11,370

I got a lot of positive response was

169

00:08:16,490 --> 00:08:13,920

from was from teachers teachers were

170

00:08:18,650 --> 00:08:16,500

using my podcasts in their classrooms

171

00:08:20,060 --> 00:08:18,660

they were writing up their own course

172

00:08:21,800 --> 00:08:20,070

where they would send me the course

173

00:08:23,990 --> 00:08:21,810

where they've created they create a

174

00:08:25,400 --> 00:08:24,000

whole series of lessons based on groups

175

00:08:26,170 --> 00:08:25,410

of podcasts that were all in the same

176

00:08:30,920 --> 00:08:26,180

subject

177

00:08:32,990 --> 00:08:30,930

so I began that was what that was when

178

00:08:34,670 --> 00:08:33,000

we kind of changed the company made it

179

00:08:36,680 --> 00:08:34,680

into a non-profit so you know it's no

180

00:08:38,600 --> 00:08:36,690

longer some not something that I own

181

00:08:41,240 --> 00:08:38,610

anymore I now work for the nonprofit as

182

00:08:43,010 --> 00:08:41,250

an employee I'm not on the board of

183

00:08:44,870 --> 00:08:43,020

directors there's real people who do all

184

00:08:46,310 --> 00:08:44,880

of that stuff so it's it's much more

185

00:08:50,300 --> 00:08:46,320

legitimate and it's much more

186

00:08:52,610 --> 00:08:50,310

independent and the purpose of the

187

00:08:55,040 --> 00:08:52,620

nonprofit is to provide free educational

188

00:08:57,830 --> 00:08:55,050

resources for teachers so we still do

189

00:09:00,680 --> 00:08:57,840

the podcast and I make sure that the

190

00:09:02,180 --> 00:09:00,690

podcast is scholarly meets certain

191

00:09:06,140 --> 00:09:02,190

standards in terms of having the

192

00:09:08,600 --> 00:09:06,150

references and everything provided it's

193

00:09:10,370 --> 00:09:08,610

it's free to educators you can get a

194

00:09:12,170 --> 00:09:10,380

well the whole show is of course free to

195

00:09:14,030 --> 00:09:12,180

everyone like every podcast is but

196

00:09:16,820 --> 00:09:14,040

educators get a version of it that

197

00:09:19,790 --> 00:09:16,830

doesn't include ads and they get

198

00:09:21,860 --> 00:09:19,800

everything on a USB Drive and things

199

00:09:25,850 --> 00:09:21,870

like that and so this movie principles

200

00:09:28,130 --> 00:09:25,860

of curiosity was really the biggest and

201
00:09:30,550 --> 00:09:28,140
best project that the nonprofit has done

202
00:09:35,390 --> 00:09:30,560
as you know it's owned separately

203
00:09:38,150 --> 00:09:35,400
financed project to address the need

204
00:09:41,270 --> 00:09:38,160
that these teachers have expressed so is

205
00:09:43,760 --> 00:09:41,280
something I'm super proud of it's free

206
00:09:46,310 --> 00:09:43,770
to the world it's on YouTube you can see

207
00:09:48,829 --> 00:09:46,320
it at principles of curiosity calm and

208
00:09:50,720 --> 00:09:48,839
there's also a fantastic courseware

209
00:09:52,640 --> 00:09:50,730
package that's on the website that's

210
00:09:55,250 --> 00:09:52,650
free to download

211
00:09:58,820 --> 00:09:55,260
and I've got to I've got people right

212
00:10:00,920 --> 00:09:58,830
now who are promoting it to teachers

213
00:10:01,790 --> 00:10:00,930

worldwide we're trying to get it in with

214

00:10:05,570 --> 00:10:01,800

the National Science Teachers

215

00:10:07,670 --> 00:10:05,580

Association and and all this stuff so

216

00:10:11,150 --> 00:10:07,680

it's it's really it's really fun it's

217

00:10:13,310 --> 00:10:11,160

really exciting times and it's it's just

218

00:10:15,320 --> 00:10:13,320

super rewarding work and I couldn't be

219

00:10:16,610 --> 00:10:15,330

happier with with what I do for a living

220

00:10:19,250 --> 00:10:16,620

well that's awesome

221

00:10:22,280 --> 00:10:19,260

the film is certainly extremely well

222

00:10:25,580 --> 00:10:22,290

done it looks fantastic so you guys have

223

00:10:28,310 --> 00:10:25,590

obviously have some skill and production

224

00:10:30,800 --> 00:10:28,320

so that's well yeah a professional film

225

00:10:32,270 --> 00:10:30,810

crew actually made the movie I was just

226

00:10:34,370 --> 00:10:32,280

there I you know I wrote it and showed

227

00:10:36,800 --> 00:10:34,380

up and did my presentation on camera and

228

00:10:38,570 --> 00:10:36,810

everything but that was one thing I

229

00:10:40,510 --> 00:10:38,580

wanted to make sure we covered very well

230

00:10:42,650 --> 00:10:40,520

from the beginning so it was done with a

231

00:10:44,720 --> 00:10:42,660

professional production company new role

232

00:10:46,400 --> 00:10:44,730

productions and you know on all the

233

00:10:48,350 --> 00:10:46,410

latest greatest camera equipment and

234

00:10:51,290 --> 00:10:48,360

everything and all that was fun to be a

235

00:10:53,210 --> 00:10:51,300

part of you know because the reason I

236

00:10:55,850 --> 00:10:53,220

kind of so curious I've been interested

237

00:10:58,610 --> 00:10:55,860

in the skeptical community kind of from

238

00:11:01,120 --> 00:10:58,620

the beginning of this show and there's

239

00:11:03,590 --> 00:11:01,130

been this kind of head-butting between

240

00:11:05,270 --> 00:11:03,600

frontier science and the skeptical

241

00:11:07,400 --> 00:11:05,280

community and you've broadened it I

242

00:11:09,140 --> 00:11:07,410

understand you know the interest you

243

00:11:10,910 --> 00:11:09,150

have and the Japanese soldiers from

244

00:11:12,920 --> 00:11:10,920

world war ii and all that stuff i've

245

00:11:15,200 --> 00:11:12,930

always stayed interested in kind of

246

00:11:18,350 --> 00:11:15,210

consciousness science and frontier

247

00:11:21,740 --> 00:11:18,360

science and in that realm I've always

248

00:11:25,400 --> 00:11:21,750

been interested in who your audience is

249

00:11:28,040 --> 00:11:25,410

like you just described and I guess I

250

00:11:31,490 --> 00:11:28,050

kind of get the science teacher thing at

251
00:11:33,320 --> 00:11:31,500
like a really low level but you know on

252
00:11:35,120 --> 00:11:33,330
a more personal level I have a good

253
00:11:37,460 --> 00:11:35,130
friend really good friend I mean this

254
00:11:39,290 --> 00:11:37,470
guy I've been to his wedding I know his

255
00:11:41,240 --> 00:11:39,300
kids he's been to my wedding thirty

256
00:11:44,000 --> 00:11:41,250
years we was used to work together for a

257
00:11:46,250 --> 00:11:44,010
long time big fan of your show he

258
00:11:48,230 --> 00:11:46,260
listens to your show cuz he likes he

259
00:11:50,390 --> 00:11:48,240
listens to my show because I'm his

260
00:11:52,970 --> 00:11:50,400
friend but he really listens to your

261
00:11:56,890 --> 00:11:52,980
show and I'm always curious you know who

262
00:12:00,770 --> 00:11:56,900
is the kind of person that goes in for

263
00:12:02,720 --> 00:12:00,780

this kind of thing last time you're on

264

00:12:04,250 --> 00:12:02,730

the show that long long time ago I tried

265

00:12:05,890 --> 00:12:04,260

to kind of bridge that gap by saying hey

266

00:12:07,780 --> 00:12:05,900

here's a topic that

267

00:12:10,000 --> 00:12:07,790

both kind of know a little bit about and

268

00:12:12,640 --> 00:12:10,010

I do the same thing here to try and dig

269

00:12:16,060 --> 00:12:12,650

a little bit deeper into what's kind of

270

00:12:18,190 --> 00:12:16,070

really going on because so I'm looking

271

00:12:19,360 --> 00:12:18,200

for shows that you've done a topic that

272

00:12:22,720 --> 00:12:19,370

we've covered now you have to go very

273

00:12:26,830 --> 00:12:22,730

far just a couple months ago skeptoid

274

00:12:29,830 --> 00:12:26,840

podcast 577 you did on precognition and

275

00:12:31,120 --> 00:12:29,840

psychic abilities do you remember that

276

00:12:34,780 --> 00:12:31,130

one is just a couple months ago

277

00:12:36,550 --> 00:12:34,790

sure so you want to run down the basics

278

00:12:40,210 --> 00:12:36,560

of what you were trying to kind of cover

279

00:12:43,300 --> 00:12:40,220

there so what I did was I went out to

280

00:12:45,340 --> 00:12:43,310

I've got a big gmail list of listeners

281

00:12:47,470 --> 00:12:45,350

who have volunteered to help with

282

00:12:49,330 --> 00:12:47,480

research sometimes and an sometimes I'll

283

00:12:52,360 --> 00:12:49,340

throw some questions out to them and and

284

00:12:54,900 --> 00:12:52,370

I asked them hey have you had any kind

285

00:12:57,510 --> 00:12:54,910

of a strange experience that you can't

286

00:12:59,860 --> 00:12:57,520

that you can't explain

287

00:13:01,750 --> 00:12:59,870

record it on your little voice memo

288

00:13:05,770 --> 00:13:01,760

feature on your phone and email it to me

289

00:13:11,440 --> 00:13:05,780

and I don't know we probably got 40 or

290

00:13:14,710 --> 00:13:11,450

50 and interestingly the by far the

291

00:13:19,750 --> 00:13:14,720

largest group of them was people who saw

292

00:13:21,730 --> 00:13:19,760

a single point of light UFO and I did an

293

00:13:24,160 --> 00:13:21,740

episode where I played all of those

294

00:13:27,550 --> 00:13:24,170

together and the second largest group

295

00:13:29,080 --> 00:13:27,560

was people who had explained or

296

00:13:31,630 --> 00:13:29,090

expressed some story about a

297

00:13:34,060 --> 00:13:31,640

precognition type of events that

298

00:13:35,260 --> 00:13:34,070

happened to them either they were

299

00:13:37,600 --> 00:13:35,270

thinking about something and then it

300

00:13:39,070 --> 00:13:37,610

happened or you know that kind of thing

301
00:13:40,360 --> 00:13:39,080
they wake up in the middle of the night

302
00:13:41,800 --> 00:13:40,370
and they find their aunt died or

303
00:13:44,320 --> 00:13:41,810
something after dreaming about the aunt

304
00:13:46,330 --> 00:13:44,330
that kind of thing and so I did an

305
00:13:48,160 --> 00:13:46,340
episode where I compiled I don't know

306
00:13:50,080 --> 00:13:48,170
four or five of those that were that

307
00:13:52,230 --> 00:13:50,090
we're all similar similar enough that we

308
00:13:54,430 --> 00:13:52,240
could talk about them as a group and

309
00:13:57,700 --> 00:13:54,440
talked about one potential explanation

310
00:13:59,410 --> 00:13:57,710
for all of them so great you know and

311
00:14:00,790 --> 00:13:59,420
the reason it caught my eye is we've

312
00:14:02,290 --> 00:14:00,800
done a bunch of shows on that as well

313
00:14:04,510 --> 00:14:02,300

but there's a lot of research that's

314

00:14:06,010 --> 00:14:04,520

been done on precognition and in

315

00:14:09,360 --> 00:14:06,020

particular it's been kind of a hot

316

00:14:11,170 --> 00:14:09,370

research topic because the

317

00:14:13,510 --> 00:14:11,180

parapsychologists the professional

318

00:14:17,200 --> 00:14:13,520

scientists who studied this kind of made

319

00:14:19,210 --> 00:14:17,210

a lot of noise I mean Daryl BEM from

320

00:14:19,650 --> 00:14:19,220

Cornell University published his study a

321

00:14:22,320 --> 00:14:19,660

few

322

00:14:24,690 --> 00:14:22,330

ago and he actually made the circuit of

323

00:14:26,370 --> 00:14:24,700

the TV shows he did the Corbett report

324

00:14:28,200 --> 00:14:26,380

you know which is unheard of for these

325

00:14:30,240 --> 00:14:28,210

pair of psychologists and then there was

326

00:14:33,210 --> 00:14:30,250

this contrast where Richard Wiseman the

327

00:14:36,120 --> 00:14:33,220

famous skeptical scientist came and said

328

00:14:37,800 --> 00:14:36,130

no it's all bull I mean did you were you

329

00:14:41,280 --> 00:14:37,810

aware of all the research that's been

330

00:14:44,340 --> 00:14:41,290

done on precognition is it's not an

331

00:14:47,220 --> 00:14:44,350

episode that I had research for some

332

00:14:48,990 --> 00:14:47,230

time this particular episode that I did

333

00:14:50,910 --> 00:14:49,000

we was just talking about these

334

00:14:55,680 --> 00:14:50,920

particular stories that were sent in so

335

00:14:57,060 --> 00:14:55,690

I didn't include other stuff but to give

336

00:14:58,230 --> 00:14:57,070

him a more general answer your question

337

00:15:01,800 --> 00:14:58,240

is that's something I'm generally aware

338

00:15:05,850 --> 00:15:01,810

of or keep up with and not as much as

339

00:15:07,710 --> 00:15:05,860

I'd like because I'm just so over

340

00:15:09,300 --> 00:15:07,720

committed with my time on working on

341

00:15:11,910 --> 00:15:09,310

whatever episode I'm working on I don't

342

00:15:15,930 --> 00:15:11,920

really get as much time to keep up with

343

00:15:17,430 --> 00:15:15,940

with fun topics as I wish I did but you

344

00:15:21,660 --> 00:15:17,440

did a show on the science of

345

00:15:24,450 --> 00:15:21,670

precognition this this is 577 episode

346

00:15:26,460 --> 00:15:24,460

you're talking about yeah well it wasn't

347

00:15:29,280 --> 00:15:26,470

the science of precognition in general

348

00:15:31,440 --> 00:15:29,290

it was about these particular stories

349

00:15:34,530 --> 00:15:31,450

that were sent in by listeners and what

350

00:15:36,900 --> 00:15:34,540

might have been the case for these kind

351
00:15:39,060 --> 00:15:36,910
of but I mean yeah let me drill into

352
00:15:42,240 --> 00:15:39,070
this a little bit more you start all

353
00:15:44,310 --> 00:15:42,250
that episode by saying this first it's

354
00:15:46,920 --> 00:15:44,320
important to lay the groundwork for the

355
00:15:50,730 --> 00:15:46,930
conventional science-based explanation

356
00:15:53,640 --> 00:15:50,740
for apparent episodes of precognition it

357
00:15:56,940 --> 00:15:53,650
comes from the law of large numbers I

358
00:15:59,010 --> 00:15:56,950
mean Ryan no it doesn't I mean people

359
00:16:01,050 --> 00:15:59,020
have studied precognition for the

360
00:16:04,560 --> 00:16:01,060
longest time because it's something that

361
00:16:07,190 --> 00:16:04,570
has been widely reported across cultures

362
00:16:09,420 --> 00:16:07,200
throughout time these people have these

363
00:16:11,820 --> 00:16:09,430

experiences of feeling like they know

364

00:16:12,870 --> 00:16:11,830

the future or like you said dreams so

365

00:16:15,090 --> 00:16:12,880

they've studied this and they've

366

00:16:16,920 --> 00:16:15,100

actually studied in the lab it's not

367

00:16:20,040 --> 00:16:16,930

that hard to study you know most the

368

00:16:23,490 --> 00:16:20,050

research that's done on precognition is

369

00:16:25,500 --> 00:16:23,500

based on an old freshman psychology

370

00:16:28,140 --> 00:16:25,510

experiment that's been going on for the

371

00:16:31,140 --> 00:16:28,150

longest time or you sit a student down

372

00:16:32,950 --> 00:16:31,150

and you say okay image is going to pop

373

00:16:36,760 --> 00:16:32,960

up on your computer and it's

374

00:16:39,610 --> 00:16:36,770

either be bunnies and kittens or it's

375

00:16:42,550 --> 00:16:39,620

going to be something really horrific or

376

00:16:45,730 --> 00:16:42,560

something really sexy and let's see how

377

00:16:48,130 --> 00:16:45,740

you respond and so that work they did

378

00:16:49,300 --> 00:16:48,140

without even being interested in

379

00:16:51,480 --> 00:16:49,310

precognition

380

00:16:54,700 --> 00:16:51,490

but being interested in the

381

00:16:58,090 --> 00:16:54,710

physiological responses we have towards

382

00:17:00,460 --> 00:16:58,100

images and then a guy named dr. Dean

383

00:17:02,590 --> 00:17:00,470

Radin said hey I wonder if I could use

384

00:17:04,900 --> 00:17:02,600

that same experiment because we have

385

00:17:07,030 --> 00:17:04,910

such good data on it and turned it into

386

00:17:10,090 --> 00:17:07,040

a precognition experiment and see if

387

00:17:12,220 --> 00:17:10,100

people react before the images are

388

00:17:13,780 --> 00:17:12,230

actually shown and technically that

389

00:17:16,840 --> 00:17:13,790

isn't even precognition

390

00:17:20,530 --> 00:17:16,850

that's presentiment work but that

391

00:17:23,050 --> 00:17:20,540

experiments been replicated Oh 2030

392

00:17:25,480 --> 00:17:23,060

times by labs all over the world and

393

00:17:28,270 --> 00:17:25,490

then this latest round the last couple

394

00:17:31,180 --> 00:17:28,280

years were Wiseman really just totally

395

00:17:34,420 --> 00:17:31,190

flubbed that one with Daryl BEM from

396

00:17:36,790 --> 00:17:34,430

Cornell and then Julia Mossberg from

397

00:17:39,760 --> 00:17:36,800

Northwestern is they kind of did a twist

398

00:17:42,330 --> 00:17:39,770

on it where is it really presentiment in

399

00:17:44,890 --> 00:17:42,340

terms of measuring biological things but

400

00:17:46,570 --> 00:17:44,900

precognition saying if people really did

401
00:17:49,000 --> 00:17:46,580
know what was going to happen next

402
00:17:52,480 --> 00:17:49,010
so the reason I go into all this depth

403
00:17:54,100 --> 00:17:52,490
is this is the complaint that so many of

404
00:17:59,530 --> 00:17:54,110
us have with the skeptical community

405
00:18:01,150 --> 00:17:59,540
it's just incredibly science light ultra

406
00:18:03,670 --> 00:18:01,160
light to the point where it isn't even

407
00:18:05,770 --> 00:18:03,680
science I mean this is the research on

408
00:18:09,610 --> 00:18:05,780
precognition this is the only thing to

409
00:18:13,720 --> 00:18:09,620
talk about not some hokey thing of the

410
00:18:15,490 --> 00:18:13,730
law of large numbers or something well

411
00:18:18,370 --> 00:18:15,500
obviously you're not telling anything I

412
00:18:22,060 --> 00:18:18,380
don't know but you can look at any any

413
00:18:25,060 --> 00:18:22,070

out there field Bigfoot alien visitation

414

00:18:26,320 --> 00:18:25,070

Flat Earth and you can say exactly the

415

00:18:28,870 --> 00:18:26,330

same thing that you just said about

416

00:18:31,210 --> 00:18:28,880

precognition there are lots of people

417

00:18:33,640 --> 00:18:31,220

studying it is being replicated in labs

418

00:18:35,350 --> 00:18:33,650

all around the world where where it

419

00:18:38,080 --> 00:18:35,360

becomes something that I would report on

420

00:18:40,420 --> 00:18:38,090

my show is when it passes scrutiny and

421

00:18:42,820 --> 00:18:40,430

gets into the major scientific journals

422

00:18:44,950 --> 00:18:42,830

and is accepted by the community at

423

00:18:46,790 --> 00:18:44,960

large at that point it becomes an

424

00:18:49,580 --> 00:18:46,800

accepted science that I would report on

425

00:18:52,460 --> 00:18:49,590

my show but Brian this did I mean that

426

00:18:55,190 --> 00:18:52,470

was why it made such news is dr. Daryl

427

00:18:58,760 --> 00:18:55,200

BEM highly highly regarded in the social

428

00:19:01,970 --> 00:18:58,770

sciences did get this published in a

429

00:19:04,250 --> 00:19:01,980

major journal in his field and that's

430

00:19:05,960 --> 00:19:04,260

why he made the rounds on the corporate

431

00:19:08,330 --> 00:19:05,970

report and the New York Times and all

432

00:19:10,600 --> 00:19:08,340

the rest of it and that's why your buddy

433

00:19:13,700 --> 00:19:10,610

you're skeptical buddy Richard Wiseman

434

00:19:18,290 --> 00:19:13,710

went to such great lengths to try and

435

00:19:20,330 --> 00:19:18,300

debunk that experiment and you know I

436

00:19:23,090 --> 00:19:20,340

mean we can get into all that detail but

437

00:19:26,920 --> 00:19:23,100

that detail is what's really really

438

00:19:29,660 --> 00:19:26,930

important that's where science happens

439

00:19:32,390 --> 00:19:29,670

yeah well I mean I'll hear this all the

440

00:19:34,760 --> 00:19:32,400

time from from people who email me about

441

00:19:36,680 --> 00:19:34,770

whatever they're their pet special thing

442

00:19:38,120 --> 00:19:36,690

is and you know why don't I report it

443

00:19:40,010 --> 00:19:38,130

because of all of this and all of this

444

00:19:43,370 --> 00:19:40,020

and it's so legitimate and so many

445

00:19:44,900 --> 00:19:43,380

people have have replicated it you know

446

00:19:47,060 --> 00:19:44,910

I've got to draw the line somewhere and

447

00:19:49,220 --> 00:19:47,070

where I draw the line is when something

448

00:19:51,920 --> 00:19:49,230

becomes broadly accepted by the science

449

00:19:54,380 --> 00:19:51,930

community but you do in the powers I

450

00:19:56,480 --> 00:19:54,390

will take pleasure in reporting this

451
00:19:58,910 --> 00:19:56,490
guy's work I'm not familiar with him I

452
00:20:00,800 --> 00:19:58,920
don't know what the paper was but that's

453
00:20:02,480 --> 00:20:00,810
that's basically where I draw the line I

454
00:20:05,210 --> 00:20:02,490
get that in one sense and I won't

455
00:20:07,580 --> 00:20:05,220
persist doing it further but I mean the

456
00:20:09,860 --> 00:20:07,590
point is you did report on it you did a

457
00:20:13,370 --> 00:20:09,870
show on precognition you just got it

458
00:20:15,110 --> 00:20:13,380
wrong what I reported on was what is the

459
00:20:17,780 --> 00:20:15,120
currently scientific accepted

460
00:20:19,940 --> 00:20:17,790
explanation for precognition reports

461
00:20:22,340 --> 00:20:19,950
what you're describing is that there's

462
00:20:25,910 --> 00:20:22,350
actually some extra sensory perception

463
00:20:28,390 --> 00:20:25,920

ability is not yet the science the

464

00:20:30,410 --> 00:20:28,400

mainstream consensus on how that works

465

00:20:32,090 --> 00:20:30,420

but you understand the same thing when

466

00:20:34,460 --> 00:20:32,100

it becomes so I will take pleasure in

467

00:20:36,890 --> 00:20:34,470

doing an updated episode right but you

468

00:20:39,620 --> 00:20:36,900

reported on the conventional

469

00:20:43,700 --> 00:20:39,630

science-based explanation these are your

470

00:20:44,860 --> 00:20:43,710

words for precognition is the law of

471

00:20:47,270 --> 00:20:44,870

large numbers

472

00:20:50,120 --> 00:20:47,280

there is notes that is what my show was

473

00:20:52,340 --> 00:20:50,130

about was the accepted science

474

00:20:54,350 --> 00:20:52,350

explanation for phenomena that would

475

00:20:56,140 --> 00:20:54,360

have nothing to do with the precognition

476
00:20:59,840 --> 00:20:56,150
experiment that I just talked about that

477
00:21:00,729 --> 00:20:59,850
cannot be the law the law of large

478
00:21:05,029 --> 00:21:00,739
numbers

479
00:21:06,589 --> 00:21:05,039
cannot in any way explain that

480
00:21:07,190 --> 00:21:06,599
experiment right because there aren't

481
00:21:08,690 --> 00:21:07,200
any law

482
00:21:11,419 --> 00:21:08,700
there aren't any large numbers in that

483
00:21:14,149 --> 00:21:11,429
case it's if it's presentiment it's the

484
00:21:15,049 --> 00:21:14,159
physiological response if it's the

485
00:21:17,509 --> 00:21:15,059
precognition

486
00:21:19,310 --> 00:21:17,519
it's the guessing before the answer is

487
00:21:21,649 --> 00:21:19,320
known kind of thing there's no law of

488
00:21:23,599 --> 00:21:21,659

large numbers there yeah well like I say

489

00:21:25,639 --> 00:21:23,609

I have not read that report and nor

490

00:21:27,019 --> 00:21:25,649

would I if it's something from a from a

491

00:21:29,680 --> 00:21:27,029

friends journal or if it's something

492

00:21:33,109 --> 00:21:29,690

that wasn't replicated or that received

493

00:21:34,940 --> 00:21:33,119

criticism in in the next issue of the

494

00:21:37,129 --> 00:21:34,950

journal you know whatever it is I try to

495

00:21:41,119 --> 00:21:37,139

be I tried to set a pretty high bar for

496

00:21:42,229 --> 00:21:41,129

what I report okay let's move on I tell

497

00:21:46,909 --> 00:21:42,239

you what the other thing I want to talk

498

00:21:48,979 --> 00:21:46,919

about is the skeptical community thing

499

00:21:51,649 --> 00:21:48,989

that you mentioned earlier because it

500

00:21:53,930 --> 00:21:51,659

seems to me and a lot other people I

501
00:21:57,619 --> 00:21:53,940
talked to that you know the skeptical

502
00:22:00,019 --> 00:21:57,629
thing is kind of over I mean the Jay

503
00:22:03,469 --> 00:22:00,029
raff James Randi foundation thing is

504
00:22:06,830 --> 00:22:03,479
over the amazing meeting thing is over

505
00:22:07,849 --> 00:22:06,840
and over in kind of a pretty dramatic

506
00:22:09,619 --> 00:22:07,859
way

507
00:22:12,200 --> 00:22:09,629
at least that's what I thought and then

508
00:22:14,629 --> 00:22:12,210
I read you know again I was researching

509
00:22:18,440 --> 00:22:14,639
for this show so I referenced your thing

510
00:22:21,499 --> 00:22:18,450
a year ago you wrote the demise of Tam

511
00:22:23,269 --> 00:22:21,509
Matt is the amazing meeting this annual

512
00:22:25,460 --> 00:22:23,279
conference that James Randi had we're

513
00:22:28,430 --> 00:22:25,470

all skeptics were invited to kind of get

514

00:22:30,830 --> 00:22:28,440

together and the j r-- f j Morandi

515

00:22:33,529 --> 00:22:30,840

educational foundation which never

516

00:22:35,859 --> 00:22:33,539

really did much education as we've now

517

00:22:39,320 --> 00:22:35,869

come to find out as the financial

518

00:22:41,779 --> 00:22:39,330

reports have been issued but you're

519

00:22:44,570 --> 00:22:41,789

saying that the demise of that I'll

520

00:22:48,320 --> 00:22:44,580

quote you happen for exactly the right

521

00:22:51,169 --> 00:22:48,330

reason and no other our friend James

522

00:22:55,489 --> 00:22:51,179

Randi considered a mentor by many of us

523

00:22:58,549 --> 00:22:55,499

has simply retired I mean yeah Brian

524

00:23:00,710 --> 00:22:58,559

there's that's just not accurate there's

525

00:23:02,930 --> 00:23:00,720

no mention that their revenues were

526

00:23:06,019 --> 00:23:02,940

declining that they had to fire all the

527

00:23:08,479 --> 00:23:06,029

staff there's no mention of the sexual

528

00:23:11,539 --> 00:23:08,489

harassment scandal that just tore the

529

00:23:13,519 --> 00:23:11,549

whole community apart there's no mention

530

00:23:14,340 --> 00:23:13,529

of Randy's other legal problems I mean

531

00:23:17,610 --> 00:23:14,350

you

532

00:23:23,310 --> 00:23:17,620

that really accurate to say hey he just

533

00:23:25,140 --> 00:23:23,320

retired yeah in my in my opinion yes he

534

00:23:28,409 --> 00:23:25,150

mean the guys I don't know how old he is

535

00:23:30,299 --> 00:23:28,419

you know 80 90 something yeah he's he's

536

00:23:32,430 --> 00:23:30,309

quite old he's quite feeble he's a good

537

00:23:35,130 --> 00:23:32,440

friend of mine I keep him in touch with

538

00:23:37,260 --> 00:23:35,140

them he there's no way he is up to

539

00:23:38,669 --> 00:23:37,270

attending a conference right now

540

00:23:40,370 --> 00:23:38,679

you know he'll do he'll do limited

541

00:23:42,960 --> 00:23:40,380

appearances and things like that but

542

00:23:46,440 --> 00:23:42,970

he's quite old and quite feeble he

543

00:23:48,270 --> 00:23:46,450

requires care running running the jrf

544

00:23:50,659 --> 00:23:48,280

was simply out of his hands and I think

545

00:23:52,740 --> 00:23:50,669

it was the right time to to step back

546

00:23:55,890 --> 00:23:52,750

everyone sad I mean everyone really

547

00:23:57,960 --> 00:23:55,900

enjoyed Tam it was a great a great place

548

00:24:00,330 --> 00:23:57,970

where I enjoyed going every year to see

549

00:24:02,399 --> 00:24:00,340

many friends and I'd see once a year I

550

00:24:06,180 --> 00:24:02,409

know a lot of people who felt the same

551

00:24:08,070 --> 00:24:06,190

way it was a lot of fun I'm definitely

552

00:24:10,140 --> 00:24:08,080

sad that it's over with I mean maybe you

553

00:24:13,110 --> 00:24:10,150

want to consider me a a hostile witness

554

00:24:15,419 --> 00:24:13,120

or a biased in that case but I certainly

555

00:24:18,870 --> 00:24:15,429

am biased because I really enjoyed the

556

00:24:23,490 --> 00:24:18,880

conference I really enjoy him as a

557

00:24:25,620 --> 00:24:23,500

friend and as a mentor as a mentor I

558

00:24:26,850 --> 00:24:25,630

understand the friend part and I

559

00:24:28,680 --> 00:24:26,860

understand them too you enjoyed the

560

00:24:30,960 --> 00:24:28,690

conference my point was just the

561

00:24:33,120 --> 00:24:30,970

sceptical thing is just kind of over I

562

00:24:36,299 --> 00:24:33,130

mean skeptics you know for whatever

563

00:24:39,210 --> 00:24:36,309

reason don't have quite the same status

564

00:24:41,010 --> 00:24:39,220

there isn't quite the same umph to the

565

00:24:44,430 --> 00:24:41,020

whole thing that there used to be and

566

00:24:46,289 --> 00:24:44,440

part of that is surely you know that jrf

567

00:24:48,090 --> 00:24:46,299

isn't around and tam isn't around but I

568

00:24:50,640 --> 00:24:48,100

want to go back because I'm still stuck

569

00:24:54,470 --> 00:24:50,650

on this idea that you consider him a

570

00:24:57,060 --> 00:24:54,480

mentor I mean this guy was caught lying

571

00:24:59,520 --> 00:24:57,070

over and over he lied about you're a

572

00:25:01,350 --> 00:24:59,530

Geller he lied about Rupert Sheldrake he

573

00:25:03,120 --> 00:25:01,360

lied to dozens of people about the

574

00:25:05,010 --> 00:25:03,130

million dollar channel a challenge and

575

00:25:06,450 --> 00:25:05,020

that was find out he even you know the

576

00:25:10,250 --> 00:25:06,460

whole thing he lied about his background

577

00:25:12,750 --> 00:25:10,260

he claimed he was like this genius IQ of

578

00:25:14,399 --> 00:25:12,760

186 and he didn't have to go to school

579

00:25:18,630 --> 00:25:14,409

he had this special I mean his whole

580

00:25:20,399 --> 00:25:18,640

story was just one lie after another and

581

00:25:23,700 --> 00:25:20,409

this guy you really consider him a

582

00:25:26,030 --> 00:25:23,710

mentor in what way was he a mentor or

583

00:25:28,049 --> 00:25:26,040

someone who you would kind of look up to

584

00:25:28,259 --> 00:25:28,059

well first of all I want to say I don't

585

00:25:30,899 --> 00:25:28,269

know

586

00:25:32,639 --> 00:25:30,909

anything about any of those charges you

587

00:25:35,339 --> 00:25:32,649

just threw at him

588

00:25:37,949 --> 00:25:35,349

and I don't judge my friends based on

589

00:25:40,619 --> 00:25:37,959

what other people say about them so I

590

00:25:42,329 --> 00:25:40,629

mean you can google it I mean I'll pause

591

00:25:46,169 --> 00:25:42,339

right now you can google all that stuff

592

00:25:47,519 --> 00:25:46,179

he claimed that not I mean any one of

593

00:25:50,519 --> 00:25:47,529

those but that's fine if you don't want

594

00:25:52,109 --> 00:25:50,529

to get into it that's okay too but how

595

00:25:52,739 --> 00:25:52,119

do I consider him a mentor I really

596

00:25:55,709 --> 00:25:52,749

didn't I

597

00:25:57,599 --> 00:25:55,719

I remember being my first exposure to

598

00:26:00,899 --> 00:25:57,609

him like like most people was seeing him

599

00:26:02,489 --> 00:26:00,909

on The Tonight Show when when Carson

600

00:26:07,709 --> 00:26:02,499

would happen and Carson of course was a

601
00:26:09,779 --> 00:26:07,719
major donor to the to the Jay ref but

602
00:26:12,899 --> 00:26:09,789
when he would have people come on and

603
00:26:15,779 --> 00:26:12,909
you know as a boy I always heard about

604
00:26:17,909 --> 00:26:15,789
you know paranormal things and these ESP

605
00:26:19,469 --> 00:26:17,919
and telekinesis and all these great

606
00:26:20,819 --> 00:26:19,479
abilities and talk wow that's the

607
00:26:23,519 --> 00:26:20,829
coolest thing ever you know can that

608
00:26:26,729 --> 00:26:23,529
actually be real and then when I saw it

609
00:26:28,589 --> 00:26:26,739
actually being tested and you know I

610
00:26:30,239 --> 00:26:28,599
don't want to say controlled conditions

611
00:26:32,639 --> 00:26:30,249
because you're very limited in what you

612
00:26:34,409 --> 00:26:32,649
can do on The Tonight Show but when I

613
00:26:36,539 --> 00:26:34,419

saw it being tested and failed and

614

00:26:38,549 --> 00:26:36,549

hearing it explained why that like that

615

00:26:42,119 --> 00:26:38,559

was so i opening for me it's like whoa

616

00:26:44,399 --> 00:26:42,129

so there's you know it's not necessarily

617

00:26:45,899 --> 00:26:44,409

a fact that this guy is able to move

618

00:26:48,690 --> 00:26:45,909

things with his mind that there's other

619

00:26:51,359 --> 00:26:48,700

explanations for it for me that was a

620

00:26:53,849 --> 00:26:51,369

wonderful learning experience and it

621

00:26:56,930 --> 00:26:53,859

really opened up new horizons for me and

622

00:27:00,829 --> 00:26:56,940

I became fascinated with the idea of

623

00:27:03,629 --> 00:27:00,839

digging past the popular portrayal of

624

00:27:05,519 --> 00:27:03,639

strange phenomena digging into them and

625

00:27:08,519 --> 00:27:05,529

finding out what's really going on that

626
00:27:10,049 --> 00:27:08,529
that fascinated me he introduced me to

627
00:27:12,749 --> 00:27:10,059
the concept that that was even a thing

628
00:27:16,169 --> 00:27:12,759
you could do and I would say that's the

629
00:27:18,690 --> 00:27:16,179
reason I consider him a mentor I get

630
00:27:22,469 --> 00:27:18,700
part of that you know I can't get past

631
00:27:23,759 --> 00:27:22,479
the kind of honest liar ethos that he

632
00:27:26,819 --> 00:27:23,769
was all about I mean they even did a

633
00:27:29,009 --> 00:27:26,829
movie documentary about James Randi the

634
00:27:32,489 --> 00:27:29,019
honest liar and that seems to be a

635
00:27:35,209 --> 00:27:32,499
pretty good catchphrase for where he was

636
00:27:38,399 --> 00:27:35,219
always at I mean he was always an end

637
00:27:40,709 --> 00:27:38,409
justifies the means if I have to trick

638
00:27:41,300 --> 00:27:40,719

or fool you I mean it's really the

639

00:27:45,440 --> 00:27:41,310

intent

640

00:27:49,280 --> 00:27:45,450

of science it's the exact opposite of

641

00:27:52,130 --> 00:27:49,290

what science aspires to do so when he's

642

00:27:55,370 --> 00:27:52,140

caught you know lying about uri geller

643

00:27:57,920 --> 00:27:55,380

or lying about Rupert Sheldrake if he

644

00:28:01,940 --> 00:27:57,930

was truly in the science realm it would

645

00:28:04,490 --> 00:28:01,950

be game over you can't lie like that and

646

00:28:06,980 --> 00:28:04,500

and still have a following and still

647

00:28:09,940 --> 00:28:06,990

have a reputation I never understood why

648

00:28:13,370 --> 00:28:09,950

the skeptical community continued to

649

00:28:17,180 --> 00:28:13,380

embrace this guy when all these things

650

00:28:18,710 --> 00:28:17,190

were kind of revealed I'm not familiar

651

00:28:20,180 --> 00:28:18,720

with anything like that having been

652

00:28:24,140 --> 00:28:20,190

revealed so I really can't answer your

653

00:28:25,970 --> 00:28:24,150

question it's so easy man if you just

654

00:28:29,990 --> 00:28:25,980

google the whole thing with Rupert

655

00:28:31,880 --> 00:28:30,000

Sheldrake was way out in the open well

656

00:28:33,710 --> 00:28:31,890

I'm not familiar with it I'm happy to

657

00:28:37,040 --> 00:28:33,720

try and talk about it if you want to but

658

00:28:38,840 --> 00:28:37,050

I mean don't tell me what what what it

659

00:28:42,440 --> 00:28:38,850

is that happened with Rupert Sheldrake

660

00:28:45,320 --> 00:28:42,450

and I I've never met Rupert Sheldrake I

661

00:28:48,040 --> 00:28:45,330

know vaguely something about him but I'm

662

00:28:51,950 --> 00:28:48,050

happy to give my opinion if you want

663

00:28:54,770 --> 00:28:51,960

well one the fact that you don't know is

664

00:28:57,590 --> 00:28:54,780

I think telling but Rupert Sheldrake did

665

00:29:00,140 --> 00:28:57,600

this experiment with dogs that appear to

666

00:29:03,980 --> 00:29:00,150

have some kind of psychic connection

667

00:29:06,110 --> 00:29:03,990

with their owners that they know when

668

00:29:08,600 --> 00:29:06,120

their owners are coming home so that's

669

00:29:11,750 --> 00:29:08,610

all I know about him right so Randi

670

00:29:14,630 --> 00:29:11,760

claims hey we tested all this we tested

671

00:29:17,270 --> 00:29:14,640

all this and we have all the data and

672

00:29:20,030 --> 00:29:17,280

the data shows that it isn't true

673

00:29:21,860 --> 00:29:20,040

so Sheldrick and if you know shell trick

674

00:29:24,290 --> 00:29:21,870

and I've interviewed him several times

675

00:29:27,260 --> 00:29:24,300

in the show many times and talk to him I

676
00:29:29,540 --> 00:29:27,270
mean he's a cambridge biologist and he's

677
00:29:32,300 --> 00:29:29,550
soft-spoken kind of british guy but he

678
00:29:35,090 --> 00:29:32,310
doesn't tolerate this kind of [h__\h]

679
00:29:37,100 --> 00:29:35,100
very easily so we just persisted and he

680
00:29:40,370 --> 00:29:37,110
just stayed on Randy and Randy had to

681
00:29:42,440 --> 00:29:40,380
eventually admit that no he hadn't

682
00:29:44,240 --> 00:29:42,450
really done the tests and he created all

683
00:29:46,160 --> 00:29:44,250
these lies in the interim he actually

684
00:29:48,980 --> 00:29:46,170
said that the data was lost in a

685
00:29:51,620 --> 00:29:48,990
hurricane and there was a flood all

686
00:29:54,430 --> 00:29:51,630
these just outrageous lies until he

687
00:29:56,980 --> 00:29:54,440
eventually admitted okay I don't have

688
00:30:00,580 --> 00:29:56,990

any data on it and I'm sorry Sheldrick I

689

00:30:02,529 --> 00:30:00,590

have to retract he said that privately

690

00:30:04,539 --> 00:30:02,539

and publicly he kind of took this middle

691

00:30:06,789 --> 00:30:04,549

position but the same thing happened

692

00:30:08,830 --> 00:30:06,799

with uri geller where he said that the

693

00:30:11,259 --> 00:30:08,840

you know uri geller was tested

694

00:30:13,899 --> 00:30:11,269

extensively at Stanford Research

695

00:30:17,080 --> 00:30:13,909

Institute by some very very competent

696

00:30:19,119 --> 00:30:17,090

researchers he'll put off in Russell

697

00:30:20,499 --> 00:30:19,129

Targ you can still watch the video out

698

00:30:21,850 --> 00:30:20,509

on YouTube but what they did I mean

699

00:30:25,840 --> 00:30:21,860

these guys know what they're doing and

700

00:30:27,820 --> 00:30:25,850

they were able to validate that Uri

701
00:30:31,749 --> 00:30:27,830
Geller was able to perform these things

702
00:30:33,460 --> 00:30:31,759
in a lab and then Randi just lied he

703
00:30:36,759 --> 00:30:33,470
just lied he said that the guy who

704
00:30:38,919 --> 00:30:36,769
videotaped those experiments was was

705
00:30:41,560 --> 00:30:38,929
faking him and the guy came out and said

706
00:30:43,330 --> 00:30:41,570
that's completely ridiculous I'll go to

707
00:30:45,249 --> 00:30:43,340
court I'll sign an affidavit I'll do

708
00:30:45,639 --> 00:30:45,259
anything you want it's completely

709
00:30:48,789 --> 00:30:45,649
made-up

710
00:30:50,740 --> 00:30:48,799
and again you know Randy had it back off

711
00:30:54,789 --> 00:30:50,750
of that one again these are kind of

712
00:30:56,350 --> 00:30:54,799
things that would completely if the guy

713
00:30:58,810 --> 00:30:56,360

was a real scientist anything

714

00:31:00,789 --> 00:30:58,820

approaching a scientist he would be

715

00:31:03,340 --> 00:31:00,799

completely ostracized from the

716

00:31:07,509 --> 00:31:03,350

scientific community and yet he's still

717

00:31:10,749 --> 00:31:07,519

kind of held in high regard by a bunch

718

00:31:12,940 --> 00:31:10,759

of skeptics well he doesn't claim to be

719

00:31:15,220 --> 00:31:12,950

a scientist as far as I know he's a he's

720

00:31:18,480 --> 00:31:15,230

a magician but you're a science writer

721

00:31:21,100 --> 00:31:18,490

and you say he's a mentor of yours I

722

00:31:23,110 --> 00:31:21,110

mean so is Benjamin Franklin but I've

723

00:31:24,580 --> 00:31:23,120

never flown a kite in a lightning storm

724

00:31:26,049 --> 00:31:24,590

either I mean there's a lot of people I

725

00:31:28,389 --> 00:31:26,059

respect and that I've learned from I

726

00:31:30,940 --> 00:31:28,399

don't have to be claimed to be in their

727

00:31:33,159 --> 00:31:30,950

same professional feel you know III

728

00:31:37,419 --> 00:31:33,169

don't I've never heard anything about

729

00:31:39,730 --> 00:31:37,429

about Randy issuing big retractions and

730

00:31:42,369 --> 00:31:39,740

apologizing for having lied about people

731

00:31:43,419 --> 00:31:42,379

I've never heard that also I'm hearing

732

00:31:45,310 --> 00:31:43,429

it now from someone who obviously

733

00:31:47,619 --> 00:31:45,320

doesn't like him or respect him very

734

00:31:49,360 --> 00:31:47,629

much so I mean if you'll forgive me I'll

735

00:31:51,700 --> 00:31:49,370

take it with a grain of salt that you're

736

00:31:53,259 --> 00:31:51,710

that what you're reporting is a literal

737

00:31:55,960 --> 00:31:53,269

true account of what he actually said

738

00:31:57,220 --> 00:31:55,970

and you know maybe we should move on

739

00:31:58,720 --> 00:31:57,230

because like I said I'm not familiar

740

00:32:00,999 --> 00:31:58,730

with these situations I'm not the guy to

741

00:32:03,759 --> 00:32:01,009

talk about them with it takes about five

742

00:32:07,769 --> 00:32:03,769

minutes to Google that anyone can find

743

00:32:09,690 --> 00:32:07,779

it so yeah I'm not I'm not I do all

744

00:32:11,249 --> 00:32:09,700

my research based on substantially more

745

00:32:12,959 --> 00:32:11,259

than five minutes of googling that

746

00:32:14,279 --> 00:32:12,969

doesn't that's not enough to persuade me

747

00:32:16,320 --> 00:32:14,289

of just about anything

748

00:32:17,820 --> 00:32:16,330

well take as much time as take as much

749

00:32:20,999 --> 00:32:17,830

time as you want the fact that you don't

750

00:32:22,639 --> 00:32:21,009

know it is surprising surprising to me

751

00:32:24,930 --> 00:32:22,649

but that's that's okay I mean obviously

752

00:32:26,729 --> 00:32:24,940

obviously we've we've all heard the the

753

00:32:28,680 --> 00:32:26,739

uri geller stories though I mean he what

754

00:32:30,690 --> 00:32:28,690

he doesn't even he didn't he no longer

755

00:32:33,180 --> 00:32:30,700

even claims that what he did was was

756

00:32:36,149 --> 00:32:33,190

real he now describes himself as a Mista

757

00:32:37,979 --> 00:32:36,159

fire and I think his the criticism

758

00:32:39,659 --> 00:32:37,989

against him for you know not returning

759

00:32:43,159 --> 00:32:39,669

all the research money that was spent on

760

00:32:45,359 --> 00:32:43,169

him is is well justified I mean he was

761

00:32:47,369 --> 00:32:45,369

he can't argue that he was not a

762

00:32:50,459 --> 00:32:47,379

professional con man for for his whole

763

00:32:52,950 --> 00:32:50,469

career because he said that his you know

764

00:32:56,159 --> 00:32:52,960

the basic the four basic tricks that he

765

00:32:58,229 --> 00:32:56,169

does that anyone can replicate he always

766

00:33:00,029 --> 00:32:58,239

claimed that those were actual magical

767

00:33:02,070 --> 00:33:00,039

abilities and and I don't think that

768

00:33:04,950 --> 00:33:02,080

ever fooled any professional magician

769

00:33:07,320 --> 00:33:04,960

and I know a lot of people were kind of

770

00:33:08,999 --> 00:33:07,330

miffed that that he did go out into the

771

00:33:11,339 --> 00:33:09,009

world and tell people that it was real

772

00:33:14,459 --> 00:33:11,349

abilities and he took research money

773

00:33:16,589 --> 00:33:14,469

from people who were easily fooled and

774

00:33:19,919 --> 00:33:16,599

so are you referring to that he took

775

00:33:22,259 --> 00:33:19,929

research money from though the Stanford

776

00:33:25,019 --> 00:33:22,269

incident that you were talking about but

777

00:33:27,570 --> 00:33:25,029

no he wasn't that wasn't a matter of

778

00:33:29,459 --> 00:33:27,580

easily fooled and he didn't easily fool

779

00:33:32,549 --> 00:33:29,469

them and their experiments still stand

780

00:33:35,820 --> 00:33:32,559

up and you you've misread that situation

781

00:33:38,070 --> 00:33:35,830

like I'm telling you that's one that the

782

00:33:40,619 --> 00:33:38,080

way it eventually plays out is Randi is

783

00:33:43,499 --> 00:33:40,629

found to be the liar not Targ and

784

00:33:45,899 --> 00:33:43,509

Puthoff who have a stellar academic

785

00:33:48,419 --> 00:33:45,909

career in these experiments they set up

786

00:33:50,430 --> 00:33:48,429

which again anyone can watch the videos

787

00:33:54,029 --> 00:33:50,440

are still up there from Stanford

788

00:33:56,190 --> 00:33:54,039

Research Institute are rather easy to to

789

00:33:58,589 --> 00:33:56,200

kind of see and to replicate you know I

790

00:34:02,099 --> 00:33:58,599

just did an interview with dr. Jacques

791

00:34:04,289 --> 00:34:02,109

Boulet the famous UFO researcher known

792

00:34:09,510 --> 00:34:04,299

for that although he's a solid scientist

793

00:34:11,549 --> 00:34:09,520

and computer scientist of of quite quite

794

00:34:13,740 --> 00:34:11,559

amazing stature and himself but he you

795

00:34:16,559 --> 00:34:13,750

know he tells the story in the interview

796

00:34:17,099 --> 00:34:16,569

about sitting down at the table with uri

797

00:34:19,139 --> 00:34:17,109

geller

798

00:34:21,390 --> 00:34:19,149

at lunch when he was doing the

799

00:34:24,810 --> 00:34:21,400

experiments at stanford research

800

00:34:27,600 --> 00:34:24,820

and just impromptu Geller said okay

801
00:34:29,790 --> 00:34:27,610
let's do this experiment and I mean

802
00:34:32,940 --> 00:34:29,800
anyone can go listen to it and again

803
00:34:35,940 --> 00:34:32,950
Jacques Vallee if anyone's read his work

804
00:34:39,420 --> 00:34:35,950
he's not a rube he's not someone who's

805
00:34:42,500 --> 00:34:39,430
gonna be easily fooled and you know he

806
00:34:45,240 --> 00:34:42,510
was he along with many many other

807
00:34:47,250 --> 00:34:45,250
credentialed scientists have validated

808
00:34:49,560 --> 00:34:47,260
that uri geller was able to do these

809
00:34:50,760 --> 00:34:49,570
things what what is this what what is

810
00:34:51,380 --> 00:34:50,770
his profession if you don't mind my

811
00:34:55,710 --> 00:34:51,390
asking

812
00:35:00,090 --> 00:34:55,720
Jacques Palais yeah well Jacques Allah

813
00:35:02,670 --> 00:35:00,100

is a scientist in in what field well I

814

00:35:06,720 --> 00:35:02,680

mean you can go look it I mean he has an

815

00:35:08,670 --> 00:35:06,730

extensive extensive history about me he

816

00:35:11,400 --> 00:35:08,680

was a world-class computer scientist

817

00:35:13,200 --> 00:35:11,410

venture ka is from our thing he was a

818

00:35:15,270 --> 00:35:13,210

capitalist in Silicon Valley for the

819

00:35:19,440 --> 00:35:15,280

longest time also an entrepreneur for

820

00:35:21,000 --> 00:35:19,450

the longest time he's not not look if I

821

00:35:22,680 --> 00:35:21,010

could could I could I tell a quick story

822

00:35:25,380 --> 00:35:22,690

about an email exchange I had this

823

00:35:27,060 --> 00:35:25,390

morning of course that I think is

824

00:35:30,720 --> 00:35:27,070

relevant to this because you just you

825

00:35:33,300 --> 00:35:30,730

he's a computer scientist he's a venture

826

00:35:36,240 --> 00:35:33,310

capitalist none of those suggests that

827

00:35:39,660 --> 00:35:36,250

he's an expert in stage magic I got an

828

00:35:41,250 --> 00:35:39,670

email this morning from a guy about an

829

00:35:44,400 --> 00:35:41,260

old episode I did on the skull

830

00:35:46,860 --> 00:35:44,410

experiment a way back long ago in the UK

831

00:35:50,820 --> 00:35:46,870

where the Society for psychical research

832

00:35:52,890 --> 00:35:50,830

hired some sounds performers to do a

833

00:35:55,530 --> 00:35:52,900

seance for them and they wrote it and

834

00:35:57,840 --> 00:35:55,540

this happened over many times over a

835

00:35:59,340 --> 00:35:57,850

period of I think over even a year it's

836

00:36:01,440 --> 00:35:59,350

been a while but it was a fairly

837

00:36:03,720 --> 00:36:01,450

substantial series of more than Hughes

838

00:36:06,990 --> 00:36:03,730

announces yeah it was it was it was a it

839

00:36:09,870 --> 00:36:07,000

was a big project and they even invited

840

00:36:11,610 --> 00:36:09,880

people people with expertise in magic

841

00:36:13,890 --> 00:36:11,620

and stage magicians like Richard Wiseman

842

00:36:18,000 --> 00:36:13,900

came in and and observed some of these

843

00:36:19,380 --> 00:36:18,010

and and this guy was the guy who emailed

844

00:36:22,320 --> 00:36:19,390

me this morning said you know hey you

845

00:36:24,810 --> 00:36:22,330

know your conclusion didn't really

846

00:36:27,210 --> 00:36:24,820

represent the the conclusion of the

847

00:36:28,440 --> 00:36:27,220

experts who were there and I said well

848

00:36:29,880 --> 00:36:28,450

who were the experts who was there and

849

00:36:31,950 --> 00:36:29,890

he listed you know a handful of people

850

00:36:33,550 --> 00:36:31,960

who were expert one one was an

851
00:36:35,950 --> 00:36:33,560
electrical engineer one was a

852
00:36:38,200 --> 00:36:35,960
physicist Rupert says Riveria Citterio

853
00:36:42,550 --> 00:36:38,210
son pardon me Rupert Sheldrake was there

854
00:36:45,340 --> 00:36:42,560
too okay and and and and he what was his

855
00:36:47,020 --> 00:36:45,350
he's as biologists you said right

856
00:36:49,720 --> 00:36:47,030
Cambridge biologist okay

857
00:36:51,880 --> 00:36:49,730
so biology physicists electrical

858
00:36:54,100 --> 00:36:51,890
engineering none of these people you

859
00:36:57,730 --> 00:36:54,110
would have any reason to suspect they're

860
00:36:59,830 --> 00:36:57,740
experienced in stage seance performances

861
00:37:02,470 --> 00:36:59,840
those are completely irrelevant fields

862
00:37:04,540 --> 00:37:02,480
of expertise the few people who were

863
00:37:06,640 --> 00:37:04,550

there who were familiar with seance

864

00:37:08,890 --> 00:37:06,650

performances basically came out laughing

865

00:37:10,930 --> 00:37:08,900

and saying these are still e tricks that

866

00:37:13,570 --> 00:37:10,940

have been familiar to seance performers

867

00:37:15,370 --> 00:37:13,580

for a hundred years so I had this email

868

00:37:17,470 --> 00:37:15,380

back and forth with this guy he was

869

00:37:19,540 --> 00:37:17,480

saying but this guy's a physicist he's

870

00:37:23,950 --> 00:37:19,550

going to know all about how magicians

871

00:37:26,830 --> 00:37:23,960

get out of illuminated handcuffs why

872

00:37:29,680 --> 00:37:26,840

would he know that you experience

873

00:37:32,710 --> 00:37:29,690

matters you can you can complete an

874

00:37:34,720 --> 00:37:32,720

academic program in biology that doesn't

875

00:37:38,590 --> 00:37:34,730

mean you have years of experience with

876

00:37:41,470 --> 00:37:38,600

magical tricks those are totally totally

877

00:37:42,250 --> 00:37:41,480

different fields and one thing that we

878

00:37:45,970 --> 00:37:42,260

hear all the time

879

00:37:47,530 --> 00:37:45,980

is that scientists people with

880

00:37:49,090 --> 00:37:47,540

experience in some particular physical

881

00:37:52,330 --> 00:37:49,100

science some hard science

882

00:37:55,030 --> 00:37:52,340

are easily fooled by magicians now when

883

00:37:56,950 --> 00:37:55,040

you go to a man it's just not true if we

884

00:37:58,990 --> 00:37:56,960

hear it repeated by the skeptical

885

00:38:01,990 --> 00:37:59,000

community it's just never something

886

00:38:03,790 --> 00:38:02,000

that's been shown to be true in any kind

887

00:38:06,010 --> 00:38:03,800

of scientific way where someone's done

888

00:38:07,960 --> 00:38:06,020

an experiment and tested a bunch of

889

00:38:09,760 --> 00:38:07,970

scientists or applied any kind of

890

00:38:12,160 --> 00:38:09,770

scientific reason to that so it's just

891

00:38:15,450 --> 00:38:12,170

one of those urban legends that you like

892

00:38:17,970 --> 00:38:15,460

to report on that is actually not true

893

00:38:21,190 --> 00:38:17,980

parapsychology is the most rigorous

894

00:38:24,100 --> 00:38:21,200

field of science that's not my opinion

895

00:38:25,660 --> 00:38:24,110

that's the the the conclusion that

896

00:38:27,820 --> 00:38:25,670

people have done that have studied it

897

00:38:30,220 --> 00:38:27,830

because there's been so much debunking

898

00:38:32,500 --> 00:38:30,230

and so much skepticism applied to it

899

00:38:34,950 --> 00:38:32,510

that they've had to adhere to the

900

00:38:37,840 --> 00:38:34,960

highest level of double-blind studies

901
00:38:41,080 --> 00:38:37,850
carefully control all that math may I

902
00:38:43,180 --> 00:38:41,090
ask you how many working scientists do

903
00:38:46,930 --> 00:38:43,190
you feel would agree with the statement

904
00:38:50,890 --> 00:38:46,940
that parapsychology is the most rigorous

905
00:38:53,200 --> 00:38:50,900
science I'm telling you what the

906
00:38:55,210 --> 00:38:53,210
research first of all that's I me do you

907
00:38:58,390 --> 00:38:55,220
think that's really that's really what

908
00:39:00,730 --> 00:38:58,400
most scientists would agree with Brian

909
00:39:03,280 --> 00:39:00,740
you obviously aren't familiar with that

910
00:39:05,620 --> 00:39:03,290
research but I can send you the research

911
00:39:07,150 --> 00:39:05,630
and see this is where I think you have a

912
00:39:09,430 --> 00:39:07,160
fundamental in a lot of ways

913
00:39:12,069 --> 00:39:09,440

misunderstanding of science you can't

914

00:39:14,740 --> 00:39:12,079

the whole purpose of science is to

915

00:39:17,559 --> 00:39:14,750

remove us from the kind of biases that

916

00:39:20,680 --> 00:39:17,569

are loaded into that question good

917

00:39:22,960 --> 00:39:20,690

science takes a question and tries to

918

00:39:25,599 --> 00:39:22,970

solve it the best way they can and then

919

00:39:29,520 --> 00:39:25,609

presents the data so someone did that in

920

00:39:31,809 --> 00:39:29,530

this case they said is parapsychology

921

00:39:33,490 --> 00:39:31,819

scientifically rigorous well they said

922

00:39:36,730 --> 00:39:33,500

okay how would we measure that well

923

00:39:40,530 --> 00:39:36,740

double control we would say double-blind

924

00:39:43,150 --> 00:39:40,540

studies are you know are of the utmost

925

00:39:45,190 --> 00:39:43,160

importance in terms of measuring that

926

00:39:46,839 --> 00:39:45,200

they'd say replication is they'd say a

927

00:39:48,160 --> 00:39:46,849

bunch of different factors and then

928

00:39:50,020 --> 00:39:48,170

they'd go out and look at it which is

929

00:39:52,030 --> 00:39:50,030

their methodology what they did so you

930

00:39:54,309 --> 00:39:52,040

can argue with the study they produce

931

00:39:56,260 --> 00:39:54,319

but you can't just switch over to this

932

00:39:58,809 --> 00:39:56,270

mode of just saying well what do you

933

00:40:01,059 --> 00:39:58,819

think Joe does that jive with your

934

00:40:04,150 --> 00:40:01,069

belief of how things work I mean it's

935

00:40:06,910 --> 00:40:04,160

not science you know I've got some

936

00:40:09,839 --> 00:40:06,920

friends who are who are biologists down

937

00:40:12,430 --> 00:40:09,849

at the Scripps Scripps Institute

938

00:40:15,150 --> 00:40:12,440

basically working on cancer cures

939

00:40:18,040 --> 00:40:15,160

they're gonna spend their entire careers

940

00:40:20,470 --> 00:40:18,050

with one little aquarium that's got

941

00:40:22,809 --> 00:40:20,480

basically pond scum floating in it

942

00:40:25,630 --> 00:40:22,819

they're gonna spend their entire careers

943

00:40:28,150 --> 00:40:25,640

maybe 40 years going in there taking out

944

00:40:31,030 --> 00:40:28,160

one little sample putting it on petri

945

00:40:34,960 --> 00:40:31,040

dishes incubating it testing its effect

946

00:40:36,520 --> 00:40:34,970

on various pathogens looking for

947

00:40:39,160 --> 00:40:36,530

something that can be developed into a

948

00:40:41,200 --> 00:40:39,170

drug and they'll probably both finish

949

00:40:44,470 --> 00:40:41,210

their careers without ever making a

950

00:40:48,640 --> 00:40:44,480

significant discovery and this is the

951
00:40:52,089 --> 00:40:48,650
reality of how science careers go it's a

952
00:40:56,440 --> 00:40:52,099
lot of ridiculously hard work very

953
00:40:57,670 --> 00:40:56,450
little expectation of payoff and the

954
00:40:59,559 --> 00:40:57,680
reason we have to go through that is

955
00:41:00,430 --> 00:40:59,569
because once in a blue moon we do get

956
00:41:02,920 --> 00:41:00,440
that payoff and

957
00:41:04,839 --> 00:41:02,930
is worth it every single working

958
00:41:06,849 --> 00:41:04,849
scientist I know would love nothing

959
00:41:10,720 --> 00:41:06,859
better than to make an earth-shaking

960
00:41:13,240 --> 00:41:10,730
discovery and what you're telling me is

961
00:41:14,740 --> 00:41:13,250
that earth-shaking discoveries are out

962
00:41:17,020 --> 00:41:14,750
there they're made all the time they're

963
00:41:21,220 --> 00:41:17,030

just not published or known for some

964

00:41:23,140 --> 00:41:21,230

reason and I can't I can't imagine a

965

00:41:25,150 --> 00:41:23,150

single working scientist I know who

966

00:41:27,970 --> 00:41:25,160

wouldn't who wouldn't change careers to

967

00:41:30,099 --> 00:41:27,980

jump all over that and get it replicated

968

00:41:31,750 --> 00:41:30,109

and get it published but when that

969

00:41:35,620 --> 00:41:31,760

habitat would I work for the mighty that

970

00:41:37,599 --> 00:41:35,630

I said pardon what are you referring to

971

00:41:40,690 --> 00:41:37,609

when you said that's what I said wooden

972

00:41:42,040 --> 00:41:40,700

did I say that well the whole time we've

973

00:41:44,530 --> 00:41:42,050

had this conversation you've been

974

00:41:46,390 --> 00:41:44,540

telling me Oh things like precognition

975

00:41:49,569 --> 00:41:46,400

have been proven and published and are

976
00:41:51,640 --> 00:41:49,579
well accepted by science that's just not

977
00:41:54,790 --> 00:41:51,650
the case because if it was it would make

978
00:41:57,910 --> 00:41:54,800
it into the journals and people would be

979
00:41:59,319 --> 00:41:57,920
changing careers to work on it I mean

980
00:42:01,180 --> 00:41:59,329
obviously you don't like richard wiseman

981
00:42:02,680 --> 00:42:01,190
very much but i know him pretty well and

982
00:42:05,410 --> 00:42:02,690
I know he would he would change

983
00:42:07,750 --> 00:42:05,420
everything he would drop everything to

984
00:42:10,480 --> 00:42:07,760
research full-time once it was proven

985
00:42:12,849 --> 00:42:10,490
that there was some sort of paranormal

986
00:42:14,200 --> 00:42:12,859
ability I won't

987
00:42:16,300 --> 00:42:14,210
I won't bore you with the Richard

988
00:42:19,990 --> 00:42:16,310

Wiseman story on the precognition but

989

00:42:22,690 --> 00:42:20,000

it's the clearest example of the honest

990

00:42:24,339 --> 00:42:22,700

liar ethos that you could can't ever do

991

00:42:26,740 --> 00:42:24,349

maybe I'll include it in the show for

992

00:42:28,089 --> 00:42:26,750

the benefit of listeners but well what

993

00:42:30,010 --> 00:42:28,099

do these people get out of lying

994

00:42:32,800 --> 00:42:30,020

why wouldn't they change careers and and

995

00:42:34,180 --> 00:42:32,810

and and and work on this why would they

996

00:42:36,790 --> 00:42:34,190

simply lie about it how does that

997

00:42:38,349 --> 00:42:36,800

benefit them I don't know I mean that

998

00:42:39,819 --> 00:42:38,359

gets it maybe you should question

999

00:42:42,010 --> 00:42:39,829

whether that's actually what's happening

1000

00:42:44,380 --> 00:42:42,020

well it doesn't make sense for someone

1001
00:42:46,210 --> 00:42:44,390
to do it then maybe they're not doing it

1002
00:42:49,690 --> 00:42:46,220
well when I said I don't know is really

1003
00:42:51,960 --> 00:42:49,700
a kind of rhetorical answer because you

1004
00:42:54,700 --> 00:42:51,970
know it gets into the whole question of

1005
00:42:58,270 --> 00:42:54,710
people's motivations and trying to

1006
00:43:01,660 --> 00:42:58,280
understand that relative to controversy

1007
00:43:03,160 --> 00:43:01,670
and as well as conspiracy which is you

1008
00:43:04,480 --> 00:43:03,170
know we probably won't have time to get

1009
00:43:07,089 --> 00:43:04,490
into talking about today but it's

1010
00:43:08,980 --> 00:43:07,099
another topic you talk a lot about that

1011
00:43:12,430 --> 00:43:08,990
I think is kind of central to kind of

1012
00:43:14,200 --> 00:43:12,440
trying to wrap our arms around this but

1013
00:43:17,800 --> 00:43:14,210

you know what maybe what we are

1014

00:43:20,460 --> 00:43:17,810

in the time that we have is returned to

1015

00:43:24,220 --> 00:43:20,470

this movie because I really do think

1016

00:43:26,349 --> 00:43:24,230

people should check this out cuz unless

1017

00:43:28,120 --> 00:43:26,359

you want to persist on that but go ahead

1018

00:43:30,300 --> 00:43:28,130

outlook should we talk more about the

1019

00:43:31,900 --> 00:43:30,310

movie or do you want to talk more about

1020

00:43:33,280 --> 00:43:31,910

conspiracy or do you want to talk about

1021

00:43:35,020 --> 00:43:33,290

Richard Wiseman what would you like to

1022

00:43:36,820 --> 00:43:35,030

talk about there's actually a good segue

1023

00:43:39,280 --> 00:43:36,830

from what we're talking about now into

1024

00:43:40,810 --> 00:43:39,290

the movie and that's one of the one of

1025

00:43:46,270 --> 00:43:40,820

the points that I make in in one of the

1026
00:43:48,670 --> 00:43:46,280
scenes of the movie is about how science

1027
00:43:51,670 --> 00:43:48,680
reporting the general public is usually

1028
00:43:54,550 --> 00:43:51,680
quite poor and the reason for that has

1029
00:43:57,070 --> 00:43:54,560
to do in many cases it has to do with

1030
00:44:00,760 --> 00:43:57,080
the PR departments at research

1031
00:44:02,980 --> 00:44:00,770
institutions because their whole job is

1032
00:44:06,280 --> 00:44:02,990
to attract attention and funding to

1033
00:44:09,099 --> 00:44:06,290
their institution and you do that by

1034
00:44:11,770 --> 00:44:09,109
making it appear that you've made huge

1035
00:44:13,270 --> 00:44:11,780
science discoveries and so PR

1036
00:44:15,250 --> 00:44:13,280
departments at universities will often

1037
00:44:18,430 --> 00:44:15,260
exaggerate or put these wild and crazy

1038
00:44:20,800 --> 00:44:18,440

headlines on research that comes out of

1039

00:44:23,230 --> 00:44:20,810

their Institute and I use two examples

1040

00:44:25,810 --> 00:44:23,240

of actual headlines one pill cures all

1041

00:44:28,570 --> 00:44:25,820

disease and invisibility cloaks are real

1042

00:44:30,310 --> 00:44:28,580

those are actual headlines that came out

1043

00:44:31,930 --> 00:44:30,320

of University PR departments over the

1044

00:44:35,170 --> 00:44:31,940

last I don't know five or eight years

1045

00:44:39,599 --> 00:44:35,180

and the headlines grossly misrepresented

1046

00:44:42,609 --> 00:44:39,609

what the actual research had been and

1047

00:44:44,980 --> 00:44:42,619

the hope the whole reason that this

1048

00:44:47,260 --> 00:44:44,990

happens is because the institutions

1049

00:44:50,290 --> 00:44:47,270

desperately need to attract attention

1050

00:44:53,320 --> 00:44:50,300

and funding and so if there is anything

1051
00:44:55,450 --> 00:44:53,330
outrageous or unusual or surprising that

1052
00:44:57,160 --> 00:44:55,460
comes out of it you'll not only hear

1053
00:44:58,660 --> 00:44:57,170
about it you'll hear about it in letters

1054
00:45:03,609 --> 00:44:58,670
that are twenty five feet tall and

1055
00:45:05,290 --> 00:45:03,619
blinking and flashing so until I hear

1056
00:45:08,650 --> 00:45:05,300
these kind of headlines coming out of

1057
00:45:09,970 --> 00:45:08,660
major research institutions and then

1058
00:45:11,560 --> 00:45:09,980
everyone in the world would be jumping

1059
00:45:13,960 --> 00:45:11,570
on it to replicate it the same way they

1060
00:45:15,790 --> 00:45:13,970
do with the fusion discoveries and and

1061
00:45:18,310 --> 00:45:15,800
the discoveries they make at the major

1062
00:45:20,050 --> 00:45:18,320
particle colliders everyone has to jump

1063
00:45:21,730 --> 00:45:20,060

on the bandwagon to replicate it they've

1064

00:45:25,089 --> 00:45:21,740

replicated the gravitational wave

1065

00:45:26,620 --> 00:45:25,099

detection you don't have the hardware to

1066

00:45:27,400 --> 00:45:26,630

do that everywhere but wherever they did

1067

00:45:28,980 --> 00:45:27,410

they have

1068

00:45:32,259 --> 00:45:28,990

and if something of this magnitude

1069

00:45:33,549 --> 00:45:32,269

happened in psychology I'm pretty sure

1070

00:45:35,650 --> 00:45:33,559

the same thing would come out in the

1071

00:45:37,539 --> 00:45:35,660

news maybe you're right and I'm wrong

1072

00:45:40,359 --> 00:45:37,549

and it hasn't I've missed it I will

1073

00:45:44,109 --> 00:45:40,369

absolutely take pleasure in correcting

1074

00:45:46,839 --> 00:45:44,119

my show and and reporting on on this new

1075

00:45:50,740 --> 00:45:46,849

generally accepted fact if if it does in

1076

00:45:52,749 --> 00:45:50,750

fact exist so you kind of touched on

1077

00:45:55,450 --> 00:45:52,759

this before but tell us more about

1078

00:45:57,880 --> 00:45:55,460

skeptoid where that show is heading and

1079

00:46:00,910 --> 00:45:57,890

you know is it come out every week and

1080

00:46:03,640 --> 00:46:00,920

use you said you mentioned sometimes you

1081

00:46:05,440 --> 00:46:03,650

know users or listeners right in do you

1082

00:46:07,210 --> 00:46:05,450

have interviews is that part of it or do

1083

00:46:10,150 --> 00:46:07,220

you plan on changing the format at all

1084

00:46:11,799 --> 00:46:10,160

tell us more about you know so it's it

1085

00:46:15,009 --> 00:46:11,809

comes out every every seven o'clock

1086

00:46:17,019 --> 00:46:15,019

every Tuesday morning has for almost 11

1087

00:46:18,249 --> 00:46:17,029

years now and only missed one week and

1088

00:46:22,240 --> 00:46:18,259

that was the week that unfortunately my

1089

00:46:24,460 --> 00:46:22,250

sister passed away back in 2007 but

1090

00:46:27,039 --> 00:46:24,470

other than that it's a never missed an

1091

00:46:30,279 --> 00:46:27,049

episode it's it's short each episode is

1092

00:46:34,930 --> 00:46:30,289

between 12 and 14 minutes they're single

1093

00:46:36,849 --> 00:46:34,940

subject so if you want to you know pick

1094

00:46:38,559 --> 00:46:36,859

your pick your topic there is a show

1095

00:46:39,249 --> 00:46:38,569

that's specifically about that and about

1096

00:46:41,589 --> 00:46:39,259

nothing else

1097

00:46:45,549 --> 00:46:41,599

there's no chitchat there's no meet

1098

00:46:48,519 --> 00:46:45,559

selling what's going on etc etc it's

1099

00:46:50,829 --> 00:46:48,529

just pure content single subject short

1100

00:46:52,779 --> 00:46:50,839

format and it's basically just me

1101
00:46:55,509 --> 00:46:52,789
talking so it's a spoken word show it's

1102
00:46:57,609 --> 00:46:55,519
not an interview show and that's you

1103
00:46:59,589 --> 00:46:57,619
know almost all podcasts are our

1104
00:47:01,690 --> 00:46:59,599
interview podcasts I don't have the data

1105
00:47:03,849 --> 00:47:01,700
but I bet if we sat down and did an

1106
00:47:05,829 --> 00:47:03,859
analysis we'd find that over 90% of them

1107
00:47:07,299 --> 00:47:05,839
are interview shows and I always wanted

1108
00:47:10,779 --> 00:47:07,309
to avoid that since that's what everyone

1109
00:47:12,160 --> 00:47:10,789
else is doing so we got a talk it's fun

1110
00:47:13,900 --> 00:47:12,170
to talk like we said even at the

1111
00:47:15,640 --> 00:47:13,910
beginning or sure we have very different

1112
00:47:17,620 --> 00:47:15,650
points of view and one of the things

1113
00:47:20,019 --> 00:47:17,630

that's been a longtime frustration for

1114

00:47:22,480 --> 00:47:20,029

me is and I give you a ton of credit for

1115

00:47:24,460 --> 00:47:22,490

coming on the show and facing you know

1116

00:47:27,519 --> 00:47:24,470

tough questions and that kind of thing

1117

00:47:29,650 --> 00:47:27,529

but this kind of dialogue I think is not

1118

00:47:31,240 --> 00:47:29,660

just interesting to people but I think

1119

00:47:34,240 --> 00:47:31,250

it's important you know I mean

1120

00:47:38,349 --> 00:47:34,250

especially in the climate were on now

1121

00:47:41,360 --> 00:47:38,359

were groups just seem to choose not to

1122

00:47:43,760 --> 00:47:41,370

talk and to just completely

1123

00:47:47,090 --> 00:47:43,770

arise themselves you know I'll think the

1124

00:47:50,000 --> 00:47:47,100

discussion the dialog is important sure

1125

00:47:51,860 --> 00:47:50,010

I'll enjoy it thoroughly it's just s that

1126
00:47:53,840 --> 00:47:51,870
was just what my show is not about just

1127
00:47:56,570 --> 00:47:53,850
because you know that's that's a

1128
00:47:58,460 --> 00:47:56,580
separate thing there's a I I very much

1129
00:48:00,560 --> 00:47:58,470
appreciate what you're saying I enjoy

1130
00:48:02,030 --> 00:48:00,570
the engagement very much and I think if

1131
00:48:04,610 --> 00:48:02,040
I were to do interviews it would

1132
00:48:07,640 --> 00:48:04,620
exclusively be with people that that I

1133
00:48:09,890 --> 00:48:07,650
disagree with either that or I would do

1134
00:48:11,450 --> 00:48:09,900
the opposite kind of show where it would

1135
00:48:13,160 --> 00:48:11,460
just be more straight science reporting

1136
00:48:15,860 --> 00:48:13,170
and I would just bring on scientists and

1137
00:48:17,600 --> 00:48:15,870
have them discuss their work and you

1138
00:48:19,070 --> 00:48:17,610

know I asked them questions in a way to

1139

00:48:21,470 --> 00:48:19,080

frame it that the general public can

1140

00:48:24,110 --> 00:48:21,480

understand and appreciate because you

1141

00:48:26,060 --> 00:48:24,120

know I think science literacy is one of

1142

00:48:27,980 --> 00:48:26,070

our nation's weak points and I think

1143

00:48:30,920 --> 00:48:27,990

it's a place where we can do the most

1144

00:48:32,510 --> 00:48:30,930

good by helping people to become more

1145

00:48:34,550 --> 00:48:32,520

scientifically literate giving people

1146

00:48:37,100 --> 00:48:34,560

the tools to understand what's real and

1147

00:48:40,370 --> 00:48:37,110

what's not helping people to recognize

1148

00:48:43,430 --> 00:48:40,380

science from pseudoscience I mean I go

1149

00:48:45,500 --> 00:48:43,440

out with friends for dinner and almost

1150

00:48:47,240 --> 00:48:45,510

everyone will be talking about the

1151

00:48:50,150 --> 00:48:47,250

latest juice cleanse that they're doing

1152

00:48:52,970 --> 00:48:50,160

or the latest super food that they're

1153

00:48:55,550 --> 00:48:52,980

eating that this misunderstanding of

1154

00:48:58,220 --> 00:48:55,560

basic sciences is just absolutely

1155

00:49:01,490 --> 00:48:58,230

rampant in our culture and I think

1156

00:49:03,260 --> 00:49:01,500

there's a lot of room to improve the

1157

00:49:05,390 --> 00:49:03,270

world by improving general science

1158

00:49:08,330 --> 00:49:05,400

literacy so that's kind of the whole

1159

00:49:10,190 --> 00:49:08,340

purpose behind skeptoid the podcast and

1160

00:49:13,130 --> 00:49:10,200

in the larger sense skeptoid media the

1161

00:49:15,530 --> 00:49:13,140

nonprofit great so our guest again has

1162

00:49:16,910 --> 00:49:15,540

been Brian Dunning skeptoid you just

1163

00:49:19,490 --> 00:49:16,920

heard of the podcast and you're also

1164

00:49:22,150 --> 00:49:19,500

gonna check out his new movie that you

1165

00:49:25,580 --> 00:49:22,160

can watch completely for free on YouTube

1166

00:49:27,590 --> 00:49:25,590

principles of curiosity Brian thanks

1167

00:49:30,500 --> 00:49:27,600

again so much for joining me thank you

1168

00:49:32,180 --> 00:49:30,510

for having me on it's always good thanks

1169

00:49:34,820 --> 00:49:32,190

again to Brian Dunning for joining me

1170

00:49:37,370 --> 00:49:34,830

today on skeptic oh I could go on and on

1171

00:49:39,880 --> 00:49:37,380

about how surprised I am that Brian

1172

00:49:42,490 --> 00:49:39,890

didn't know the extensive work in

1173

00:49:44,510 --> 00:49:42,500

precognition research that

1174

00:49:49,940 --> 00:49:44,520

parapsychologists have done over the

1175

00:49:52,640 --> 00:49:49,950

years but I'm not surprised at all but

1176
00:49:54,540 --> 00:49:52,650
for the benefit of you listening because

1177
00:49:56,540 --> 00:49:54,550
we really didn't get into that for him

1178
00:49:59,940 --> 00:49:56,550
and it really is an amazingly

1179
00:50:02,220 --> 00:49:59,950
interesting bit of science and an

1180
00:50:04,740 --> 00:50:02,230
interesting chapter in science history

1181
00:50:08,000 --> 00:50:04,750
particularly because of Wiseman's

1182
00:50:10,050 --> 00:50:08,010
deception and then Daryl BEM

1183
00:50:12,780 --> 00:50:10,060
follow-through and that you know so

1184
00:50:14,810 --> 00:50:12,790
Daryl BEM publishes the study it gets

1185
00:50:17,820 --> 00:50:14,820
this considerable amount of attention

1186
00:50:20,240 --> 00:50:17,830
Richard Wiseman comes on the scene and

1187
00:50:24,900 --> 00:50:20,250
just debunks it and does this whole

1188
00:50:27,450 --> 00:50:24,910

dramatic debunking exercise that that

1189

00:50:31,620 --> 00:50:27,460

for anyone who's serious about it is

1190

00:50:34,310 --> 00:50:31,630

completely unfair and unconvincing but

1191

00:50:37,859 --> 00:50:34,320

it fulfills the desired goal in terms of

1192

00:50:40,380 --> 00:50:37,869

clouding Daryl BEM work and then it

1193

00:50:43,680 --> 00:50:40,390

further obscures what he does later

1194

00:50:45,120 --> 00:50:43,690

which is he does a proper replication

1195

00:50:48,359 --> 00:50:45,130

that has actually replicates the

1196

00:50:51,420 --> 00:50:48,369

experiment 90 times and then publishes

1197

00:50:55,950 --> 00:50:51,430

that so anyways I discuss a lot of this

1198

00:50:58,680 --> 00:50:55,960

in episode 328 when I had a chance to

1199

00:51:02,730 --> 00:50:58,690

talk to dr. Michael Britt who was a bit

1200

00:51:04,740 --> 00:51:02,740

of a skeptic and had done a show on the

1201
00:51:07,050 --> 00:51:04,750
Daryl BEM thing and of course he got it

1202
00:51:07,560 --> 00:51:07,060
totally wrong but then hey what are you

1203
00:51:11,470 --> 00:51:07,570
gonna do

1204
00:51:17,890 --> 00:51:14,230
I'll show you what a complete charade

1205
00:51:20,140 --> 00:51:17,900
and just hijacking of science this whole

1206
00:51:22,420 --> 00:51:20,150
thing is but to get there maybe we

1207
00:51:26,290 --> 00:51:22,430
should jump to the end story which is

1208
00:51:29,650 --> 00:51:26,300
here's what was published in 2015 a

1209
00:51:33,370 --> 00:51:29,660
study by Daryl BEM and others titled

1210
00:51:35,800 --> 00:51:33,380
feeling the future a meta-analysis of 90

1211
00:51:39,099 --> 00:51:35,810
experiments on the anomalous

1212
00:51:41,020 --> 00:51:39,109
anticipation of random future events and

1213
00:51:44,260 --> 00:51:41,030

I'll read from you from the epoch from

1214

00:51:46,180 --> 00:51:44,270

the abstract in 2011 dr. Daryl BEM

1215

00:51:47,740 --> 00:51:46,190

published nine experiments in the

1216

00:51:52,210 --> 00:51:47,750

Journal of Personality and Social

1217

00:51:55,330 --> 00:51:52,220

Psychology demonstrating precognition to

1218

00:51:57,400 --> 00:51:55,340

encourage replications all materials

1219

00:52:00,340 --> 00:51:57,410

needed to conduct them were made

1220

00:52:02,290 --> 00:52:00,350

available upon request it's important to

1221

00:52:04,630 --> 00:52:02,300

note that there is a guy who was very

1222

00:52:06,870 --> 00:52:04,640

much into open science was encouraging

1223

00:52:10,000 --> 00:52:06,880

replication from the beginning

1224

00:52:13,780 --> 00:52:10,010

continuing with the abstract we hear

1225

00:52:16,120 --> 00:52:13,790

report a meta-analysis of 90 experiments

1226

00:52:19,180 --> 00:52:16,130

done by different experimenters

1227

00:52:21,849 --> 00:52:19,190

different labs exactly the kind of best

1228

00:52:23,950 --> 00:52:21,859

science that we would expect 33

1229

00:52:28,300 --> 00:52:23,960

laboratories to be exact in 14 countries

1230

00:52:32,320 --> 00:52:28,310

that yielded an overall effect greater

1231

00:52:36,030 --> 00:52:32,330

than Six Sigma so P 1 point 2 to the 10

1232

00:52:38,890 --> 00:52:36,040

to the minus 10 that is a gaudy gaudy

1233

00:52:41,770 --> 00:52:38,900

statistic and he says this greatly

1234

00:52:44,530 --> 00:52:41,780

exceeds the criterion for decisive

1235

00:52:47,500 --> 00:52:44,540

evidence in support of the experimental

1236

00:52:50,070 --> 00:52:47,510

hypothesis I've listened to your shows I

1237

00:52:53,260 --> 00:52:50,080

don't think you are a fire-breathing

1238

00:52:55,030 --> 00:52:53,270

skeptic or a disinformation agent or

1239

00:52:57,280 --> 00:52:55,040

someone who's intentionally going out to

1240

00:52:59,500 --> 00:52:57,290

try and mislead people but I'll tell you

1241

00:53:02,680 --> 00:52:59,510

what happened here if you look at the

1242

00:53:05,290 --> 00:53:02,690

time line Daryl BEM publishes this study

1243

00:53:11,440 --> 00:53:05,300

that we're talking about in January of

1244

00:53:14,290 --> 00:53:11,450

2011 then Richard Wiseman who is been

1245

00:53:17,050 --> 00:53:14,300

accused and has an unbelievable amount

1246

00:53:19,300 --> 00:53:17,060

of evidence against him being deceptive

1247

00:53:21,609 --> 00:53:19,310

in these ways and I'll play you a clip

1248

00:53:23,440 --> 00:53:21,619

from Daryl BEM in a minute where he

1249

00:53:24,680 --> 00:53:23,450

calls him out on being deceptive I've

1250

00:53:27,079 --> 00:53:24,690

also interviewed

1251

00:53:30,800 --> 00:53:27,089

dr. Rupert Sheldrake Cambridge biologist

1252

00:53:33,170 --> 00:53:30,810

who did a one-on-one debate with Wiseman

1253

00:53:35,599 --> 00:53:33,180

on this show and called him deceptive

1254

00:53:39,050 --> 00:53:35,609

but here is how the deception was played

1255

00:53:43,010 --> 00:53:39,060

out in this case imagine this Ben

1256

00:53:44,960 --> 00:53:43,020

publishes in January of 2011 the paper

1257

00:53:47,720 --> 00:53:44,970

actually didn't even come out until

1258

00:53:51,200 --> 00:53:47,730

March but it was available to people in

1259

00:53:53,089 --> 00:53:51,210

January Wiseman comes out and says okay

1260

00:53:54,680 --> 00:53:53,099

we're doing a replication of this anyone

1261

00:53:57,440 --> 00:53:54,690

who knit wants to do a replication you

1262

00:54:00,470 --> 00:53:57,450

have to have it in by June okay first of

1263

00:54:02,390 --> 00:54:00,480

all that is unprecedented unheard of

1264

00:54:05,059 --> 00:54:02,400

unreasonable and doesn't make any sense

1265

00:54:07,550 --> 00:54:05,069

why would there be a time limit of six

1266

00:54:09,740 --> 00:54:07,560

months our psychologist social

1267

00:54:11,930 --> 00:54:09,750

psychologist supposed to drop everything

1268

00:54:14,270 --> 00:54:11,940

that they're doing and try and replicate

1269

00:54:16,880 --> 00:54:14,280

this experiment are they supposed to get

1270

00:54:20,569 --> 00:54:16,890

the funding for it Ben himself did you

1271

00:54:23,480 --> 00:54:20,579

ask him did you ask Wiseman then not uh

1272

00:54:26,150 --> 00:54:23,490

not on this case but just watchword the

1273

00:54:29,780 --> 00:54:26,160

way it plays out right I mean this guy

1274

00:54:33,140 --> 00:54:29,790

BAM was opened replication and he did it

1275

00:54:36,050 --> 00:54:33,150

uh he compiled here as you can see

1276

00:54:39,230 --> 00:54:36,060

ninety replications over the last five

1277

00:54:40,520 --> 00:54:39,240

years it's unreasonable for anyone we

1278

00:54:43,849 --> 00:54:40,530

don't even have to ask it's

1279

00:54:45,920 --> 00:54:43,859

transparently unreasonable to say that

1280

00:54:47,960 --> 00:54:45,930

this is going to be the final finish

1281

00:54:50,120 --> 00:54:47,970

line six months from now for all

1282

00:54:51,890 --> 00:54:50,130

replications and then to hurry and

1283

00:54:54,829 --> 00:54:51,900

publish your results but he does

1284

00:54:57,079 --> 00:54:54,839

something much worse let me then play

1285

00:54:59,780 --> 00:54:57,089

for you the second clip and that's from

1286

00:55:01,430 --> 00:54:59,790

Daryl BEM when he appeared on my show

1287

00:55:03,890 --> 00:55:01,440

and he talked about this very situation

1288

00:55:05,990 --> 00:55:03,900

here you go hope you can hear it when

1289

00:55:08,270 --> 00:55:06,000

you publish an article even if it's of

1290

00:55:10,010 --> 00:55:08,280

your own three experiments you always

1291

00:55:12,680 --> 00:55:10,020

have a literature review section where

1292

00:55:15,349 --> 00:55:12,690

you you talk about all the previous

1293

00:55:17,920 --> 00:55:15,359

research and known research on the topic

1294

00:55:20,660 --> 00:55:17,930

before you present your own data and

1295

00:55:23,750 --> 00:55:20,670

what do I see Minh never tells people is

1296

00:55:25,220 --> 00:55:23,760

that they knew that there were three

1297

00:55:26,839 --> 00:55:25,230

other studies that had been submitted

1298

00:55:29,480 --> 00:55:26,849

and completed and two of the three

1299

00:55:32,150 --> 00:55:29,490

showed statistically significant results

1300

00:55:33,800 --> 00:55:32,160

replicating my results but you you know

1301
00:55:35,870 --> 00:55:33,810
you don't know that from reading his

1302
00:55:38,750 --> 00:55:35,880
article and that that borders on

1303
00:55:42,260 --> 00:55:40,760
so I know that's kind of long but you

1304
00:55:43,400 --> 00:55:42,270
know there's a lot of detail to get in

1305
00:55:46,190 --> 00:55:43,410
there and actually there's a lot of

1306
00:55:48,170 --> 00:55:46,200
detail that I left out regarding effect

1307
00:55:50,510 --> 00:55:48,180
size and statistical significance all

1308
00:55:52,640 --> 00:55:50,520
the stuff that's really interesting at

1309
00:55:56,500 --> 00:55:52,650
least to me or to anyone who's really

1310
00:56:00,109 --> 00:55:56,510
interested in answering this question

1311
00:56:01,579 --> 00:56:00,119
scientifically there is really a lot to

1312
00:56:04,760 --> 00:56:01,589
dig into and it's really not that hard

1313
00:56:05,390 --> 00:56:04,770

you just have to have the desire to look

1314

00:56:07,700 --> 00:56:05,400

it up

1315

00:56:10,310 --> 00:56:07,710

so that's gonna do it for this episode

1316

00:56:14,660 --> 00:56:10,320

of skeptical I will tee up one question

1317

00:56:19,010 --> 00:56:14,670

is the skeptical thing over now is it

1318

00:56:21,890 --> 00:56:19,020

over or is it not over I'll tell you

1319

00:56:24,950 --> 00:56:21,900

what Brian Dunning still gets a hundred

1320

00:56:29,000 --> 00:56:24,960

and fifty thousand people downloading

1321

00:56:31,790 --> 00:56:29,010

his podcast every week now I don't know

1322

00:56:33,920 --> 00:56:31,800

who dozen people are and I don't know

1323

00:56:37,190 --> 00:56:33,930

that I'd have a lot in common with them

1324

00:56:40,940 --> 00:56:37,200

but they're out there but for the rest

1325

00:56:44,720 --> 00:56:40,950

of us and for the overall zeitgeist that

1326

00:56:45,980 --> 00:56:44,730

were in is the skeptical thing over

1327

00:56:48,050 --> 00:56:45,990

that's the question

1328

00:56:50,390 --> 00:56:48,060

love to hear from you either from the

1329

00:56:52,670 --> 00:56:50,400

skeptical web site the skeptical forum

1330

00:56:53,540 --> 00:56:52,680

Facebook however you find me wherever

1331

00:56:56,540 --> 00:56:53,550

you get to me

1332

00:56:58,309 --> 00:56:56,550

let me know what you think I have a

1333

00:57:00,319 --> 00:56:58,319

number of really good jokes coming up

1334

00:57:03,650 --> 00:57:00,329

I'm really excited to bring them to you

1335

00:57:05,599 --> 00:57:03,660

as always I appreciate you listening I

1336

00:57:07,730 --> 00:57:05,609

appreciate you sharing and telling

1337

00:57:10,250 --> 00:57:07,740

people about the show and I of course

1338

00:57:13,460 --> 00:57:10,260

love hearing from people who have gotten

1339

00:57:15,260 --> 00:57:13,470

value out of the show so if you're out

1340

00:57:16,430 --> 00:57:15,270

there and you like the show tell me I'd

1341

00:57:17,630 --> 00:57:16,440

love to hear from you

1342

00:57:20,540 --> 00:57:17,640

well that's going to do it for this