

The Skeptic Zone



Show 148 - 20 Aug 2011

Benjamin Radford

1
00:00:23,280 --> 00:00:09,080
welcome to the skeptic zone the podcast

2
00:00:31,260 --> 00:00:27,359
yes it's the skeptic Zone episode number

3
00:00:33,460 --> 00:00:31,270
148 for the twentieth of August 2011

4
00:00:35,710 --> 00:00:33,470
Richard Saunders here with you from

5
00:00:37,240 --> 00:00:35,720
Sydney Australia a bit of a tired

6
00:00:42,040 --> 00:00:37,250
Richard soon as I've been out all day

7
00:00:44,290 --> 00:00:42,050
doing the science oh yes well teaching

8
00:00:47,760 --> 00:00:44,300
science or presenting science as you'll

9
00:00:52,150 --> 00:00:47,770
hear later in the show on today's show

10
00:00:56,110 --> 00:00:52,160
we have another in the series of Tam Las

11
00:00:58,270 --> 00:00:56,120
Vegas tam nine interviews dr. rate she

12
00:01:01,180 --> 00:00:58,280
catches up without very good friend

13
00:01:04,299 --> 00:01:01,190

Benjamin Radford he's a man I greatly

14

00:01:06,969 --> 00:01:04,309

admire and a little bit jealous of the

15

00:01:08,710 --> 00:01:06,979

way he can go out and investigate all

16

00:01:11,440 --> 00:01:08,720

these strange and mysterious thing

17

00:01:14,680 --> 00:01:11,450

something I really love doing myself a

18

00:01:18,430 --> 00:01:14,690

really great interview part 1 part 2

19

00:01:21,510 --> 00:01:18,440

next week with Benjamin Redford dr. H he

20

00:01:24,460 --> 00:01:21,520

asks him about his mysterious

21

00:01:27,160 --> 00:01:24,470

investigations and following that and

22

00:01:30,430 --> 00:01:27,170

you'll understand why I'm a bit a bit

23

00:01:32,980 --> 00:01:30,440

worn out as I record this I take you to

24

00:01:36,339 --> 00:01:32,990

the powerhouse museum here in Sydney

25

00:01:38,499 --> 00:01:36,349

we're just today dr. AJ and I performed

26

00:01:42,040 --> 00:01:38,509

the mystery investigators show all

27

00:01:45,100 --> 00:01:42,050

afternoon in fact late morning till the

28

00:01:47,380 --> 00:01:45,110

afternoon many shows we perform for lots

29

00:01:49,660 --> 00:01:47,390

of parents lots of kids lots of people

30

00:01:52,600 --> 00:01:49,670

passing by it was really great fun a

31

00:01:55,210 --> 00:01:52,610

live report so to speak and of course

32

00:01:57,760 --> 00:01:55,220

that is all for the benefit of science

33

00:02:01,570 --> 00:01:57,770

week and to wrap up the show it's

34

00:02:07,120 --> 00:02:01,580

Maynard Oh al good friend Maynard visits

35

00:02:10,180 --> 00:02:07,130

the CSIRO solar array in Newcastle

36

00:02:12,430 --> 00:02:10,190

Mayfield West in fact in Newcastle just

37

00:02:15,309 --> 00:02:12,440

up the road a little bit from Sydney to

38

00:02:19,890 --> 00:02:15,319

discover more about the goings-on there

39

00:02:24,009 --> 00:02:19,900

the solar array that sounds interesting

40

00:02:25,470 --> 00:02:24,019

so I'm going to run straight downstairs

41

00:02:28,229 --> 00:02:25,480

again

42

00:02:33,479 --> 00:02:28,239

I'm a bit tired tonight I'm gonna grab

43

00:02:37,190 --> 00:02:33,489

that nice cup of um hmm when I grabbed

44

00:02:40,530 --> 00:02:37,200

this week was a caramel chocolate Oh

45

00:02:43,320 --> 00:02:40,540

folks caramel hot chocolate that sounds

46

00:03:01,020 --> 00:02:43,330

pretty good oh yes and I'll let you

47

00:03:09,819 --> 00:03:04,390

now it's time for dr. Rachel reports

48

00:03:11,890 --> 00:03:09,829

with dr. Rachel Dunlop hello listeners

49

00:03:14,589 --> 00:03:11,900

dr. Reggie here with you presenting an

50

00:03:16,899 --> 00:03:14,599

interview with Benjamin Radford Ben is

51
00:03:19,509 --> 00:03:16,909
the deputy editor of skeptical Inquirer

52
00:03:22,059 --> 00:03:19,519
and the author of six books including

53
00:03:24,429 --> 00:03:22,069
tracking the chupacabra the vampire

54
00:03:26,289 --> 00:03:24,439
based in fact fiction and folklore and

55
00:03:28,750 --> 00:03:26,299
this is the topic of most of our

56
00:03:30,129 --> 00:03:28,760
discussion today then also works with

57
00:03:31,599 --> 00:03:30,139
the committee for the scientific

58
00:03:33,939 --> 00:03:31,609
investigation of claims of the

59
00:03:36,520 --> 00:03:33,949
paranormal and he has done firsthand

60
00:03:39,159 --> 00:03:36,530
research into psychics ghosts haunted

61
00:03:42,119 --> 00:03:39,169
houses exorcisms miracles Bigfoot

62
00:03:44,559 --> 00:03:42,129
stigmata Lake Monsters UFO sightings

63
00:03:47,709 --> 00:03:44,569

reincarnation crop circles and many

64

00:03:49,179 --> 00:03:47,719

other paranormal topics so strap

65

00:03:51,459 --> 00:03:49,189

yourselves in listeners for a really

66

00:03:57,380 --> 00:03:51,469

fascinating interview with paranormal

67

00:04:02,630 --> 00:04:00,350

been rough it's just stretching and

68

00:04:05,930 --> 00:04:02,640

doing some kind of meditation here at

69

00:04:07,730 --> 00:04:05,940

am-9 in Las Vegas in the zone okay there

70

00:04:10,340 --> 00:04:07,740

there I'm in the zone you are in the

71

00:04:12,410 --> 00:04:10,350

zone days we're sort of hiding in a back

72

00:04:14,630 --> 00:04:12,420

room at the other side of the hotel

73

00:04:17,750 --> 00:04:14,640

right now well I guess they know yes how

74

00:04:19,460 --> 00:04:17,760

are you doing well I love coming to Tam

75

00:04:22,820 --> 00:04:19,470

just you know meeting old friends and

76
00:04:24,200 --> 00:04:22,830
meeting new ones and seeing the seeing

77
00:04:25,250 --> 00:04:24,210
that the people out in the field you

78
00:04:28,100 --> 00:04:25,260
know the people who are interested in

79
00:04:29,750 --> 00:04:28,110
these sorts of things because a lot of

80
00:04:31,700 --> 00:04:29,760
times the investigations and the work

81
00:04:33,409 --> 00:04:31,710
that I do is very insular you know it's

82
00:04:35,720 --> 00:04:33,419
writing or it's investigating it's very

83
00:04:37,010 --> 00:04:35,730
solitary endeavor and so I want to get a

84
00:04:39,020 --> 00:04:37,020
chance to come to a meeting like this

85
00:04:39,950 --> 00:04:39,030
it's great because you meet you know all

86
00:04:41,930 --> 00:04:39,960
those people learnt shouldn't they

87
00:04:44,210 --> 00:04:41,940
followed your work of course it also

88
00:04:45,620 --> 00:04:44,220

gets retiring after a while yeah which

89

00:04:48,560 --> 00:04:45,630

is why it's nice to find a little corner

90

00:04:50,360 --> 00:04:48,570

yeah to fun respite it but yeah you have

91

00:04:52,970 --> 00:04:50,370

a degree in psychology yes I know the

92

00:04:54,430 --> 00:04:52,980

managing editor skeptical inquirer right

93

00:04:58,070 --> 00:04:54,440

you doing a lot of other stuff as well

94

00:05:00,050 --> 00:04:58,080

you write for livescience.com and

95

00:05:02,240 --> 00:05:00,060

discovering years mm-hmm but primarily

96

00:05:05,180 --> 00:05:02,250

you're an investigator yes but

97

00:05:06,500 --> 00:05:05,190

investigate weird stuff lots of weird

98

00:05:10,159 --> 00:05:06,510

things yes I've been doing that for

99

00:05:12,980 --> 00:05:10,169

about 10 or 12 years now and just

100

00:05:16,460 --> 00:05:12,990

basically everything from monsters to

101

00:05:18,950 --> 00:05:16,470

crop circles miracles ghosts psychics

102

00:05:21,440 --> 00:05:18,960

pretty much any any manner of weirdness

103

00:05:23,659 --> 00:05:21,450

or so so call unexplained paranormal

104

00:05:25,790 --> 00:05:23,669

phenomena I probably either personally

105

00:05:27,050 --> 00:05:25,800

looked into it or researched it or you

106

00:05:28,790 --> 00:05:27,060

know sir didn't have good friends who

107

00:05:31,010 --> 00:05:28,800

have not relied on their research in

108

00:05:33,320 --> 00:05:31,020

some cases so how do you can't easy to

109

00:05:36,230 --> 00:05:33,330

that how does that happen you just want

110

00:05:38,719 --> 00:05:36,240

I fall into investigating UFO hey what

111

00:05:40,760 --> 00:05:38,729

are not is we're going to Korea's Diane

112

00:05:42,170 --> 00:05:40,770

high school did I just do a little quiz

113

00:05:44,930 --> 00:05:42,180

and say you're going to investigate UFOs

114

00:05:46,850 --> 00:05:44,940

when you grow up no no in fact I when I

115

00:05:48,800 --> 00:05:46,860

was a kid I wanted I had a variety of

116

00:05:51,440 --> 00:05:48,810

careers in mind that did not include

117

00:05:53,840 --> 00:05:51,450

chasing ghosts I wanted to be a stuntman

118

00:05:55,190 --> 00:05:53,850

for a while I thought about being a

119

00:05:56,750 --> 00:05:55,200

Secret Service agent of the left my

120

00:06:00,950 --> 00:05:56,760

vision wasn't good enough

121

00:06:03,440 --> 00:06:00,960

2041 corrected I thought about being a

122

00:06:05,750 --> 00:06:03,450

film director and in fact i have written

123

00:06:07,100 --> 00:06:05,760

directed a couple short films but i just

124

00:06:10,940 --> 00:06:07,110

once i realized just how much work it

125

00:06:13,820 --> 00:06:10,950

was right yeah as I could god I'm gonna

126

00:06:15,020 --> 00:06:13,830

feel put into it so you know I guess I

127

00:06:17,810 --> 00:06:15,030

always had the idea of being a writer

128

00:06:20,960 --> 00:06:17,820

and I was always interested in in the

129

00:06:23,300 --> 00:06:20,970

world and I have always had a deep and

130

00:06:27,500 --> 00:06:23,310

abiding curiosity in things around me

131

00:06:29,540 --> 00:06:27,510

and so I've always wanted to know why

132

00:06:31,400 --> 00:06:29,550

things work and why how do they look

133

00:06:33,740 --> 00:06:31,410

that way why does it why does that plant

134

00:06:36,250 --> 00:06:33,750

grow that way and why is and so I'm

135

00:06:39,140 --> 00:06:36,260

always just been very inquisitive and so

136

00:06:41,260 --> 00:06:39,150

that's always been part of my my fabric

137

00:06:43,160 --> 00:06:41,270

and so I think that once I was able to

138

00:06:44,780 --> 00:06:43,170

get involved with skeptic inquire

139

00:06:46,880 --> 00:06:44,790

magazine meet people like Joe Nickell

140

00:06:50,060 --> 00:06:46,890

and Massimo polidore on what has been in

141

00:06:52,100 --> 00:06:50,070

others I got an opportunity to sort of

142

00:06:54,470 --> 00:06:52,110

see how working the skaters did this

143

00:06:56,630 --> 00:06:54,480

work and I worked with Joe and I did a

144

00:06:58,550 --> 00:06:56,640

lot investigations on my own well you

145

00:07:01,130 --> 00:06:58,560

enjoy do a lot of joy nickel who's gonna

146

00:07:02,090 --> 00:07:01,140

be on the skeptic so soon we spoke to

147

00:07:04,010 --> 00:07:02,100

him yesterday you don't love

148

00:07:05,930 --> 00:07:04,020

investigations together don't you well

149

00:07:08,960 --> 00:07:05,940

we we don't do as much as much anymore

150

00:07:10,910 --> 00:07:08,970

partly because I don't live in Buffalo

151
00:07:12,710 --> 00:07:10,920
anymore I lived in Buffalo for ten years

152
00:07:14,840 --> 00:07:12,720
and then I moved back to New Mexico

153
00:07:17,540 --> 00:07:14,850
where I live now about four or five

154
00:07:18,860 --> 00:07:17,550
years ago so four years ago so because

155
00:07:21,050 --> 00:07:18,870
we're in different geographical

156
00:07:22,940 --> 00:07:21,060
locations we don't really do it's mean

157
00:07:25,610 --> 00:07:22,950
investigations to get as we used to but

158
00:07:27,530 --> 00:07:25,620
certainly some of my earlier ones

159
00:07:29,650 --> 00:07:27,540
particularly the lake monster books i

160
00:07:32,000 --> 00:07:29,660
co-authored a lake monster walk with Joe

161
00:07:33,980 --> 00:07:32,010
we're done in 10 with him and then I

162
00:07:36,920 --> 00:07:33,990
since then I branched out into a lot of

163
00:07:38,300 --> 00:07:36,930

other stuff so so you've just recently

164

00:07:39,830 --> 00:07:38,310

in the last couple of months published

165

00:07:43,220 --> 00:07:39,840

your most recent book which is called

166

00:07:45,350 --> 00:07:43,230

tracking chupacabra the vampire based in

167

00:07:48,550 --> 00:07:45,360

fact fiction and folklore yes now you

168

00:07:53,360 --> 00:07:48,560

are the world expert in the chupacabra I

169

00:07:55,850 --> 00:07:53,370

am it's kind of a shallow pool I know

170

00:07:57,830 --> 00:07:55,860

being the world expert on the chupacabra

171

00:08:00,140 --> 00:07:57,840

is like you know being the tallest one

172

00:08:03,839 --> 00:08:00,150

arm you know polish you know the bingo

173

00:08:05,609 --> 00:08:03,849

player in the hallway it's business

174

00:08:07,769 --> 00:08:05,619

okay I mean is it is like five years

175

00:08:10,559 --> 00:08:07,779

worth of investigations isn't it to get

176

00:08:12,689 --> 00:08:10,569

to this point it is and you know that

177

00:08:14,730 --> 00:08:12,699

it's it's the world's second or third

178

00:08:18,619 --> 00:08:14,740

best known monster after Bigfoot and

179

00:08:21,329 --> 00:08:18,629

Nessie so it's really a worldwide global

180

00:08:23,609 --> 00:08:21,339

phenomenon topic it's not a ver it's not

181

00:08:26,369 --> 00:08:23,619

a local thing and that's part of the

182

00:08:29,399 --> 00:08:26,379

reason to take me five years research it

183

00:08:31,439 --> 00:08:29,409

meets the biggest investigation of my

184

00:08:34,559 --> 00:08:31,449

career today just because it's it's it's

185

00:08:36,509 --> 00:08:34,569

such a well known phenomena and I

186

00:08:37,860 --> 00:08:36,519

finally pieced together all the parts of

187

00:08:40,110 --> 00:08:37,870

the story and basically solved the

188

00:08:41,909 --> 00:08:40,120

mystery well don't give it away I won't

189

00:08:43,110 --> 00:08:41,919

give it away yet but I'm just in fact

190

00:08:45,030 --> 00:08:43,120

you probably shouldn't give it away here

191

00:08:46,889 --> 00:08:45,040

in fact but people should buy the book

192

00:08:49,170 --> 00:08:46,899

but it's interesting that you say it's a

193

00:08:52,230 --> 00:08:49,180

worldwide phenomenon because until I met

194

00:08:54,180 --> 00:08:52,240

you last year at ten I actually in Vegas

195

00:08:56,189 --> 00:08:54,190

I hadn't heard of the chuba kuna and

196

00:08:58,079 --> 00:08:56,199

actually took me a few weeks to get my

197

00:09:00,329 --> 00:08:58,089

mouth to actually say Jewpacabra epic

198

00:09:02,759 --> 00:09:00,339

competition prize was if Spanish of

199

00:09:05,879 --> 00:09:02,769

course so it's not it's not Ozzy Spanish

200

00:09:07,769 --> 00:09:05,889

she's macabre isn't chupacabra oh the

201
00:09:11,569 --> 00:09:07,779
true your arse I can't do that you can't

202
00:09:13,800 --> 00:09:11,579
do that oh that's very bad

203
00:09:16,439 --> 00:09:13,810
interpretation suspect I don't know

204
00:09:17,970 --> 00:09:16,449
about no I was always mocking that I was

205
00:09:20,519 --> 00:09:17,980
you haven't attempted different layers

206
00:09:23,220 --> 00:09:20,529
there I was throwing in aussie and

207
00:09:26,759 --> 00:09:23,230
Spanish in America right that's why I

208
00:09:28,679 --> 00:09:26,769
say I'm so crappy so has getting back to

209
00:09:31,620 --> 00:09:28,689
the point yeah well you're not taking a

210
00:09:33,840 --> 00:09:31,630
piss out of me yeah um we haven't heard

211
00:09:35,759 --> 00:09:33,850
of the chupacabra in Australia what has

212
00:09:37,530 --> 00:09:35,769
it has it been in Australia have there

213
00:09:38,610 --> 00:09:37,540

been any sightings down under actually I

214

00:09:40,650 --> 00:09:38,620

don't think there actually have been

215

00:09:42,900 --> 00:09:40,660

it's it's certainly known worldwide

216

00:09:45,720 --> 00:09:42,910

except for you know in your particular

217

00:09:47,220 --> 00:09:45,730

group of friends but everyone else has

218

00:09:48,569 --> 00:09:47,230

heard about certainly in the

219

00:09:50,189 --> 00:09:48,579

cryptozoology fields people who'll

220

00:09:51,809 --> 00:09:50,199

interested in monsters net that sort of

221

00:09:53,340 --> 00:09:51,819

thing it hasn't actually been cited to

222

00:09:55,620 --> 00:09:53,350

my the best of my knowledge in in

223

00:09:57,090 --> 00:09:55,630

Australia it's primarily confined to

224

00:09:59,579 --> 00:09:57,100

spanish-speaking area so you're talking

225

00:10:00,990 --> 00:09:59,589

latin america spanish speaking parts of

226

00:10:02,710 --> 00:10:01,000

the united states including course

227

00:10:05,139 --> 00:10:02,720

florida and texas and

228

00:10:07,179 --> 00:10:05,149

no places like that solution recover

229

00:10:09,309 --> 00:10:07,189

literally made good sucker doesn't yes

230

00:10:11,410 --> 00:10:09,319

yes this panic yeah because it's a

231

00:10:13,389 --> 00:10:11,420

vampire I mean it's unlike Bigfoot and

232

00:10:16,030 --> 00:10:13,399

Nessie and Mothman and all these other

233

00:10:18,280 --> 00:10:16,040

you know creatures that the mayor mount

234

00:10:20,410 --> 00:10:18,290

exist certainly the big name ones

235

00:10:23,199 --> 00:10:20,420

chupacabra is ultimately a bloodsucker

236

00:10:25,990 --> 00:10:23,209

it sucks the blood of animals primarily

237

00:10:29,170 --> 00:10:26,000

goats but also dogs and chickens and

238

00:10:30,280 --> 00:10:29,180

cattle livestock things like that and

239

00:10:32,470 --> 00:10:30,290

that was one of the reasons that I was

240

00:10:34,449 --> 00:10:32,480

really intrigued by it is because it's

241

00:10:36,610 --> 00:10:34,459

this it's you know this is this

242

00:10:38,920 --> 00:10:36,620

well-known certainly in Latin America

243

00:10:40,240 --> 00:10:38,930

and elsewhere vampire that many people

244

00:10:42,389 --> 00:10:40,250

really believe exists i mean this is

245

00:10:46,420 --> 00:10:42,399

this is something to remember is that is

246

00:10:49,300 --> 00:10:46,430

that it's not as if even though you know

247

00:10:51,309 --> 00:10:49,310

the crowd here here tam is obviously

248

00:10:52,509 --> 00:10:51,319

more skeptical than most even though

249

00:10:53,889 --> 00:10:52,519

they probably don't believe in the

250

00:10:55,179 --> 00:10:53,899

creature there are lots and lots of

251

00:10:56,590 --> 00:10:55,189

people who really do they sincerely

252

00:10:58,360 --> 00:10:56,600

absolutely believe that this thing

253

00:11:02,199 --> 00:10:58,370

exists and it's sucking the blood out of

254

00:11:03,490 --> 00:11:02,209

goats and other animals as we speak so

255

00:11:07,660 --> 00:11:03,500

this is not a joke to a lot of people

256

00:11:08,860 --> 00:11:07,670

this is a very serious threat and and so

257

00:11:10,809 --> 00:11:08,870

that was one of things intrigued me was

258

00:11:12,999 --> 00:11:10,819

was it wasn't it's not like i'm looking

259

00:11:14,920 --> 00:11:13,009

for dragons or unicorns i'm looking for

260

00:11:18,040 --> 00:11:14,930

something that people really think is

261

00:11:19,720 --> 00:11:18,050

going on in put rico and elsewhere so

262

00:11:21,490 --> 00:11:19,730

thats that's one reasons that i want to

263

00:11:23,559 --> 00:11:21,500

tackle it was to sort of see if i could

264

00:11:26,590 --> 00:11:23,569

if i could bring it all together and

265

00:11:28,210 --> 00:11:26,600

sort of assembles or take take the big

266

00:11:29,590 --> 00:11:28,220

mystery and break it down to smaller

267

00:11:31,559 --> 00:11:29,600

mysteries and then solve each of those

268

00:11:33,879 --> 00:11:31,569

so you kind of did a quanella

269

00:11:36,100 --> 00:11:33,889

chronological investigation didn't you

270

00:11:40,689 --> 00:11:36,110

any yes the first sort of sighting was

271

00:11:43,480 --> 00:11:40,699

that in 1995 in yeah that the spain in

272

00:11:44,499 --> 00:11:43,490

puerto rico here we go and and again

273

00:11:46,569 --> 00:11:44,509

that's another thing that makes the

274

00:11:48,879 --> 00:11:46,579

chupacabra unique is that it's a very

275

00:11:50,590 --> 00:11:48,889

very recent creature you know if you

276

00:11:52,749 --> 00:11:50,600

look at for example the stories of

277

00:11:54,850 --> 00:11:52,759

Bigfoot those really only date back to

278

00:11:56,530 --> 00:11:54,860

about the 1950s depending on how you how

279

00:11:58,509 --> 00:11:56,540

you count them in the case to the Loch

280

00:12:00,610 --> 00:11:58,519

Ness monster that only dates back to

281

00:12:05,829 --> 00:12:00,620

about the 1930s in the case of

282

00:12:08,489 --> 00:12:05,839

chupacabra you're talking 95 and so it's

283

00:12:10,589 --> 00:12:08,499

just you know real animals don't

284

00:12:12,569 --> 00:12:10,599

the appear out of nowhere is just ten

285

00:12:14,849 --> 00:12:12,579

really nice I just yeah just doesn't

286

00:12:16,019 --> 00:12:14,859

work that way and so and so it was

287

00:12:18,779 --> 00:12:16,029

interesting because then then the

288

00:12:20,219 --> 00:12:18,789

question becomes well why how do you

289

00:12:21,809 --> 00:12:20,229

explain that you let's assume you're

290

00:12:24,449 --> 00:12:21,819

believers you really believe the

291

00:12:26,519 --> 00:12:24,459

chupacabra exists then then you you're

292

00:12:27,959 --> 00:12:26,529

so you're forced to say oh okay well why

293

00:12:30,059 --> 00:12:27,969

didn't people hear about this you know

294

00:12:32,549 --> 00:12:30,069

30 40 years ago and they don't really

295

00:12:34,079 --> 00:12:32,559

have an answer except that on occasion

296

00:12:36,809 --> 00:12:34,089

it had people swear to me that they

297

00:12:39,269 --> 00:12:36,819

heard about the chupacabra in in the 70s

298

00:12:40,589 --> 00:12:39,279

and the 80s and yet there's no evidence

299

00:12:43,679 --> 00:12:40,599

for that and I've actually put out a

300

00:12:45,329 --> 00:12:43,689

reward I've said hey if you if you if

301
00:12:47,639 --> 00:12:45,339
you're telling me that you heard stories

302
00:12:49,559 --> 00:12:47,649
of the chupacabra has a blood sucking

303
00:12:52,139 --> 00:12:49,569
vampire beast in Puerto Rico or

304
00:12:54,359 --> 00:12:52,149
elsewhere show me a published reference

305
00:12:56,069 --> 00:12:54,369
to it I offer to a two hundred fifty

306
00:12:58,829 --> 00:12:56,079
dollar reward and signed copy of my book

307
00:13:01,079 --> 00:12:58,839
and even that word was even publicized

308
00:13:02,429 --> 00:13:01,089
in Puerto Rico well that's cool so far

309
00:13:05,519 --> 00:13:02,439
no one's come forward with it so it's

310
00:13:09,259 --> 00:13:05,529
it's very clearly a mystery that that

311
00:13:12,299 --> 00:13:09,269
you know despite its global stature is

312
00:13:14,969 --> 00:13:12,309
15 16 years old so then how did it stop

313
00:13:16,589 --> 00:13:14,979

how did it it's 1995 sighting what

314

00:13:19,199 --> 00:13:16,599

happened can you describe to innocence

315

00:13:20,399 --> 00:13:19,209

rabbit sure well basically one thing you

316

00:13:22,139 --> 00:13:20,409

have to understand is that there's two

317

00:13:24,679 --> 00:13:22,149

different versions of chupacabra there's

318

00:13:28,319 --> 00:13:24,689

the original version that appeared in

319

00:13:31,289 --> 00:13:28,329

late nineteen ninety-five was a bipedal

320

00:13:33,689 --> 00:13:31,299

sort of spiky back creature with alien

321

00:13:36,779 --> 00:13:33,699

type eyes wraparound eyes and almost no

322

00:13:39,749 --> 00:13:36,789

ears and lip lyst mouth and had long

323

00:13:41,489 --> 00:13:39,759

arms and legs and fingers but again the

324

00:13:44,489 --> 00:13:41,499

main characteristic was the spikes going

325

00:13:47,389 --> 00:13:44,499

down the back and that appeared in in

326

00:13:51,269 --> 00:13:47,399

run August of 95 and was seen throughout

327

00:13:52,889 --> 00:13:51,279

95 96 little bit 97 and a couple of

328

00:13:55,049 --> 00:13:52,899

sporadic sightings after that but that

329

00:13:57,509 --> 00:13:55,059

essentially petered away by about 2,000

330

00:14:01,319 --> 00:13:57,519

and then there were a couple fallow

331

00:14:03,539 --> 00:14:01,329

years and then write about 2004-2005 was

332

00:14:06,029 --> 00:14:03,549

when you when you saw the emergence of a

333

00:14:08,489 --> 00:14:06,039

second type of chupacabra and these were

334

00:14:09,580 --> 00:14:08,499

cannons these are animals from the dogs

335

00:14:17,710 --> 00:14:09,590

the

336

00:14:20,140 --> 00:14:17,720

were not bipedal spiky back alien type

337

00:14:22,120 --> 00:14:20,150

creatures these were days let's do these

338

00:14:24,370 --> 00:14:22,130

look like essentially hairless or nearly

339

00:14:26,020 --> 00:14:24,380

hairless dogs that were you know not in

340

00:14:29,410 --> 00:14:26,030

good shape but certainly weren't you

341

00:14:31,600 --> 00:14:29,420

know extraterrestrial and so in this

342

00:14:32,920 --> 00:14:31,610

case however you had you had a carcasses

343

00:14:34,030 --> 00:14:32,930

these things were actually being found

344

00:14:34,930 --> 00:14:34,040

they weren't just being sighted their

345

00:14:39,640 --> 00:14:34,940

people were finding these things

346

00:14:41,770 --> 00:14:39,650

particularly in Texas and so so for

347

00:14:43,930 --> 00:14:41,780

believers in the chupacabra it was very

348

00:14:45,100 --> 00:14:43,940

frustrating to them because they they

349

00:14:46,960 --> 00:14:45,110

really believed that there was some

350

00:14:48,700 --> 00:14:46,970

weird sort of creature but then the

351

00:14:50,410 --> 00:14:48,710

original sightings no but no one ever

352

00:14:51,820 --> 00:14:50,420

there were just glimpses they were just

353

00:14:54,310 --> 00:14:51,830

I wouldn't report there was no actual

354

00:14:56,380 --> 00:14:54,320

carcasses they had to wait about 10

355

00:14:59,470 --> 00:14:56,390

years to find the carcasses but when

356

00:15:01,210 --> 00:14:59,480

when they you know the irony is that

357

00:15:02,410 --> 00:15:01,220

when they actually had the carcasses

358

00:15:06,820 --> 00:15:02,420

when they started finding these

359

00:15:08,950 --> 00:15:06,830

chupacabras in Texas then you've caused

360

00:15:11,670 --> 00:15:08,960

to scientific analysis and when you do

361

00:15:14,140 --> 00:15:11,680

that as I did as I detail in the book

362

00:15:17,050 --> 00:15:14,150

these things turn out to be dogs and

363

00:15:19,180 --> 00:15:17,060

coyotes and raccoons for example

364

00:15:21,510 --> 00:15:19,190

typically that are reflected with mange

365

00:15:24,190 --> 00:15:21,520

which is I which is a skin disease

366

00:15:26,410 --> 00:15:24,200

exactly and so there are these two

367

00:15:28,600 --> 00:15:26,420

completely different types of

368

00:15:29,800 --> 00:15:28,610

chupacabras that emerged in in in

369

00:15:32,350 --> 00:15:29,810

different places and they take

370

00:15:33,910 --> 00:15:32,360

completely different forms and so when I

371

00:15:35,830 --> 00:15:33,920

was researching the mystery the first

372

00:15:38,530 --> 00:15:35,840

issue was well but what are these dead

373

00:15:41,380 --> 00:15:38,540

animals that that appeared you know in

374

00:15:42,610 --> 00:15:41,390

2005 2007 around there and that that

375

00:15:44,500 --> 00:15:42,620

answer was was actually pretty

376

00:15:48,940 --> 00:15:44,510

straightforward the answer is the DNA

377

00:15:51,220 --> 00:15:48,950

results are drumroll please coyote their

378

00:15:52,720 --> 00:15:51,230

results are dog isn't that but but I

379

00:15:54,250 --> 00:15:52,730

should actually mention as well that you

380

00:15:55,780 --> 00:15:54,260

actually have the day-night analyzed

381

00:15:58,000 --> 00:15:55,790

didn't you you didn't just look at the

382

00:16:00,460 --> 00:15:58,010

carcass and say hey yeah yeah exactly

383

00:16:02,200 --> 00:16:00,470

yeah and they were thorough about yes

384

00:16:03,910 --> 00:16:02,210

determining what these talks absolutely

385

00:16:05,860 --> 00:16:03,920

absolutely and so you know I followed up

386

00:16:07,510 --> 00:16:05,870

on people who did the DNA analysis in

387

00:16:09,310 --> 00:16:07,520

fact one of them actually roiled nice

388

00:16:13,210 --> 00:16:09,320

word from my book yeah

389

00:16:15,850 --> 00:16:13,220

scott disick tell did some dr. Todd dis

390

00:16:20,410 --> 00:16:15,860

a professor of anthropology New York

391

00:16:23,130 --> 00:16:20,420

University yes and he he did he analyzed

392

00:16:26,620 --> 00:16:23,140

a couple of the DNA sequencing of those

393

00:16:28,620 --> 00:16:26,630

and so yeah I mean it's it's that then

394

00:16:30,580 --> 00:16:28,630

that that was the first part the

395

00:16:32,980 --> 00:16:30,590

unraveling the mystery was what are

396

00:16:34,450 --> 00:16:32,990

these carcasses and again the science

397

00:16:35,710 --> 00:16:34,460

has the answer if you have a carcass

398

00:16:38,560 --> 00:16:35,720

than you have a body and you can you can

399

00:16:40,780 --> 00:16:38,570

need the testing so that part of the

400

00:16:42,910 --> 00:16:40,790

mystery was kind of solved not right

401
00:16:46,690 --> 00:16:42,920
away but sort of fairly quickly the

402
00:16:48,190 --> 00:16:46,700
second part was well where did the first

403
00:16:50,110 --> 00:16:48,200
creature come from I mean that the

404
00:16:52,510 --> 00:16:50,120
original eyewitness reciting people are

405
00:16:54,880 --> 00:16:52,520
talking about this spiky backed weird

406
00:16:56,590 --> 00:16:54,890
bipedal creature instead of how there's

407
00:16:59,200 --> 00:16:56,600
no illustration that you have done here

408
00:17:01,480 --> 00:16:59,210
yes I'm the head looks like a gray alien

409
00:17:04,870 --> 00:17:01,490
so the long face with the big eyes what

410
00:17:06,280 --> 00:17:04,880
Noah's grace exactly exactly and so the

411
00:17:08,110 --> 00:17:06,290
question then became all right well

412
00:17:09,880 --> 00:17:08,120
we've already looked at this sort of the

413
00:17:12,220 --> 00:17:09,890

this the second type of chupacabra that

414

00:17:13,600 --> 00:17:12,230

emerged in the mid-2000s let's go back

415

00:17:16,110 --> 00:17:13,610

to the original chupacabras see if we

416

00:17:18,640 --> 00:17:16,120

can figure out where that came from and

417

00:17:20,650 --> 00:17:18,650

and you know I looked at eyewitness

418

00:17:22,960 --> 00:17:20,660

accounts I actually went to Puerto Rico

419

00:17:25,030 --> 00:17:22,970

and interviewed the the original a

420

00:17:27,420 --> 00:17:25,040

witness that is actually that depiction

421

00:17:30,130 --> 00:17:27,430

the most famous drawing of chupacabra

422

00:17:33,280 --> 00:17:30,140

came from one single eyewitness woman

423

00:17:35,710 --> 00:17:33,290

named madeline tolentino who saw this

424

00:17:40,180 --> 00:17:35,720

creature something very much like it in

425

00:17:42,070 --> 00:17:40,190

august of two of 1995 and she she saw

426

00:17:43,900 --> 00:17:42,080

this thing and it was she had this whole

427

00:17:45,940 --> 00:17:43,910

detailed report and it was just outside

428

00:17:47,290 --> 00:17:45,950

of her house and she saw the thing with

429

00:17:49,540 --> 00:17:47,300

her mother and it sort of skipped across

430

00:17:51,040 --> 00:17:49,550

the road niche jumped out of the way and

431

00:17:52,300 --> 00:17:51,050

apparently there were no cars going by

432

00:17:54,970 --> 00:17:52,310

the time so she's really feeling the

433

00:17:56,620 --> 00:17:54,980

eyewitness other than her mother and she

434

00:17:59,560 --> 00:17:56,630

gave this very detailed description and

435

00:18:01,120 --> 00:17:59,570

immediately the UFO community in Puerto

436

00:18:03,340 --> 00:18:01,130

Rico which is actually very prominent

437

00:18:04,870 --> 00:18:03,350

there seized on to this and sort of made

438

00:18:06,250 --> 00:18:04,880

it their own fill my God look with this

439

00:18:08,530 --> 00:18:06,260

chupacabra that's the weird thing and

440

00:18:11,020 --> 00:18:08,540

they tied it in with earlier vampiric

441

00:18:13,000 --> 00:18:11,030

stories so that sort of got launched

442

00:18:15,820 --> 00:18:13,010

into the public's consciousness and so

443

00:18:19,360 --> 00:18:15,830

in a very real way to chupacabra is is

444

00:18:22,930 --> 00:18:19,370

one of the world's most prominent medium

445

00:18:26,080 --> 00:18:22,940

monsters you know the chupacabra would

446

00:18:29,700 --> 00:18:26,090

not exist if if the woman that saw that

447

00:18:32,830 --> 00:18:29,710

creature had seen it in night in 1982 or

448

00:18:35,260 --> 00:18:32,840

1975 simply because the internet didn't

449

00:18:37,840 --> 00:18:35,270

exist and the Internet in mass media was

450

00:18:40,420 --> 00:18:37,850

that was a huge player in turning an

451
00:18:43,270 --> 00:18:40,430
otherwise somewhat strange but rather

452
00:18:45,549 --> 00:18:43,280
unremarkable citing into this global

453
00:18:46,990 --> 00:18:45,559
phenomena but how does that sighting

454
00:18:50,500 --> 00:18:47,000
that you just described link to the guy

455
00:18:52,270 --> 00:18:50,510
sucking dish did that come after or did

456
00:18:55,210 --> 00:18:52,280
she see this particular creature sucking

457
00:18:56,350 --> 00:18:55,220
a goat's blood excellent question i love

458
00:18:58,720 --> 00:18:56,360
i love good questions that's a good

459
00:19:00,669 --> 00:18:58,730
question i'm not just kissing another

460
00:19:05,320 --> 00:19:00,679
good question PP a lot of people miss

461
00:19:06,610 --> 00:19:05,330
that no the answer is that that there

462
00:19:09,580 --> 00:19:06,620
are a couple different things happen is

463
00:19:10,930 --> 00:19:09,590

that when she saw this this entity she

464

00:19:12,940 --> 00:19:10,940

did not immediately say that must be the

465

00:19:14,740 --> 00:19:12,950

chupacabra she did not identify as a

466

00:19:16,540 --> 00:19:14,750

chupacabra said I saw something weird

467

00:19:19,150 --> 00:19:16,550

this is what it looked like and other

468

00:19:21,370 --> 00:19:19,160

people put the chupacabra label on her

469

00:19:24,419 --> 00:19:21,380

experience and then from from there it

470

00:19:29,590 --> 00:19:24,429

sort of snowballed what you find is that

471

00:19:31,720 --> 00:19:29,600

in Puerto Rico in earlier in 1995 and

472

00:19:33,790 --> 00:19:31,730

and and somewhat before then there had

473

00:19:36,100 --> 00:19:33,800

been what were considered to be strange

474

00:19:37,930 --> 00:19:36,110

and mysterious livestock predations you

475

00:19:41,350 --> 00:19:37,940

know people of farmers for example would

476

00:19:43,900 --> 00:19:41,360

find a or a cat or goat or hogs or

477

00:19:46,930 --> 00:19:43,910

whatever that had been attacked by some

478

00:19:49,390 --> 00:19:46,940

animal and and they believed had their

479

00:19:50,650 --> 00:19:49,400

blood sucked out of them you find this

480

00:19:54,220 --> 00:19:50,660

claim over and over and over and over

481

00:19:55,990 --> 00:19:54,230

again in internet in web pages and

482

00:19:59,590 --> 00:19:56,000

magazine articles and books and this and

483

00:20:01,360 --> 00:19:59,600

that dad I Lien's do it normally well in

484

00:20:04,480 --> 00:20:01,370

some cases yet it's actually a fitting

485

00:20:08,380 --> 00:20:04,490

because one of the one of the curious

486

00:20:11,260 --> 00:20:08,390

facets of the this sort of animal

487

00:20:14,590 --> 00:20:11,270

mutilation is that you can have exactly

488

00:20:16,210 --> 00:20:14,600

the same physical evidence that is

489

00:20:18,610 --> 00:20:16,220

interpreted in 3 completely different

490

00:20:20,770 --> 00:20:18,620

ways right I don't know what I mentioned

491

00:20:23,650 --> 00:20:20,780

this earlier talk or not but basically

492

00:20:26,680 --> 00:20:23,660

if you have a goat or a

493

00:20:28,660 --> 00:20:26,690

a cow or something let's say that had is

494

00:20:30,910 --> 00:20:28,670

found by a farmer with you know to

495

00:20:33,610 --> 00:20:30,920

puncture marks on its neck and appears

496

00:20:38,920 --> 00:20:33,620

to be drained of blood if that was found

497

00:20:42,370 --> 00:20:38,930

say in 1978 Texas that might be

498

00:20:46,000 --> 00:20:42,380

attributed to satanic cults right if you

499

00:20:49,420 --> 00:20:46,010

found that exact same carcass in in the

500

00:20:51,700 --> 00:20:49,430

say the mid 80s in New Mexico that would

501
00:20:54,340 --> 00:20:51,710
be attributed to aliens if you found

502
00:20:57,330 --> 00:20:54,350
that exact same carcass in say South

503
00:21:00,880 --> 00:20:57,340
Texas or Puerto Rico in the late 90s

504
00:21:01,960 --> 00:21:00,890
it's a chupacabra and I mean that I mean

505
00:21:03,610 --> 00:21:01,970
it's a proven fact I mean that that's

506
00:21:05,970 --> 00:21:03,620
exactly what happens is that you have

507
00:21:08,110 --> 00:21:05,980
these completely disparate

508
00:21:10,270 --> 00:21:08,120
irreconcilable interpretations all

509
00:21:13,120 --> 00:21:10,280
cultural interpretations important to

510
00:21:14,170 --> 00:21:13,130
note of the exact same evidence you know

511
00:21:16,210 --> 00:21:14,180
we're different people in different

512
00:21:18,550 --> 00:21:16,220
places we'll look at the exact same damn

513
00:21:20,740 --> 00:21:18,560

thing and have completely different and

514

00:21:23,110 --> 00:21:20,750

and to each of them what's all there

515

00:21:26,380 --> 00:21:23,120

don't you get obviously it's the

516

00:21:28,630 --> 00:21:26,390

Satanist i Leah obviously right and and

517

00:21:30,880 --> 00:21:28,640

and and without and that's one thing

518

00:21:32,920 --> 00:21:30,890

that I that I was pleased I was able to

519

00:21:35,230 --> 00:21:32,930

bring to the book is the context because

520

00:21:36,910 --> 00:21:35,240

oftentimes the context is important to

521

00:21:39,160 --> 00:21:36,920

solving the mystery music because of you

522

00:21:40,780 --> 00:21:39,170

if you don't understand the broader

523

00:21:43,300 --> 00:21:40,790

context of how these different things

524

00:21:44,950 --> 00:21:43,310

fit in then you're just sort of you know

525

00:21:47,800 --> 00:21:44,960

you're pissing in the wind because you

526

00:21:49,540 --> 00:21:47,810

don't know you don't know how to put it

527

00:21:50,920 --> 00:21:49,550

together and so that was one of the

528

00:21:52,570 --> 00:21:50,930

things that I did with it so so

529

00:21:55,780 --> 00:21:52,580

ultimately to give back to your question

530

00:21:58,540 --> 00:21:55,790

you know earlier in 1995 there was a

531

00:22:00,190 --> 00:21:58,550

pre-existing belief that something weird

532

00:22:03,010 --> 00:22:00,200

was attacking animals on an island

533

00:22:05,170 --> 00:22:03,020

puerto rico nobody called the chupacabra

534

00:22:07,810 --> 00:22:05,180

no one necessarily said it was a vampire

535

00:22:10,390 --> 00:22:07,820

although some people thought it was and

536

00:22:12,430 --> 00:22:10,400

certainly nobody had a forum no one said

537

00:22:13,900 --> 00:22:12,440

oh it looks like this it has the spikes

538

00:22:15,970 --> 00:22:13,910

in the back no one said that it was just

539

00:22:17,470 --> 00:22:15,980

every now and then someone's finding gay

540

00:22:19,110 --> 00:22:17,480

animals we think their bloods been

541

00:22:23,140 --> 00:22:19,120

drained there's something weird and that

542

00:22:24,880 --> 00:22:23,150

there was this some sort of social fear

543

00:22:27,010 --> 00:22:24,890

those this anxiety like something weirds

544

00:22:30,160 --> 00:22:27,020

going on here and it wasn't until this

545

00:22:33,100 --> 00:22:30,170

woman siting in August of 1995 that

546

00:22:33,970 --> 00:22:33,110

crystallized it suddenly oh my god you

547

00:22:36,520 --> 00:22:33,980

know that thing that's been attacking

548

00:22:39,010 --> 00:22:36,530

these animals she saw this

549

00:22:40,780 --> 00:22:39,020

and it's chupacabra will ecology of god

550

00:22:43,620 --> 00:22:40,790

this is what looks like and so her

551
00:22:46,600 --> 00:22:43,630
sighting gave an otherwise amorphous

552
00:22:49,690 --> 00:22:46,610
social anxiety a very specific definite

553
00:22:53,500 --> 00:22:49,700
form and characteristics and so that's

554
00:22:54,820 --> 00:22:53,510
sort of how that how that emerged so you

555
00:22:55,990 --> 00:22:54,830
actually went and spoke to her didn't

556
00:22:57,970 --> 00:22:56,000
you I mean you're not an armchair

557
00:22:59,860 --> 00:22:57,980
skeptical which I guess some people often

558
00:23:02,710 --> 00:22:59,870
get accused of where you just set on the

559
00:23:04,720 --> 00:23:02,720
internets and we hope don't have to you

560
00:23:07,360 --> 00:23:04,730
actually went out and spoke to her yes

561
00:23:09,580 --> 00:23:07,370
yes in fact yeah it would turn out very

562
00:23:11,970 --> 00:23:09,590
well in fact in fact a friend of mine

563
00:23:14,500 --> 00:23:11,980

Jenna Griffith helped me track her down

564

00:23:17,200 --> 00:23:14,510

through her ex-husband on Facebook of

565

00:23:18,850 --> 00:23:17,210

all please really yeah I Carol themes

566

00:23:21,640 --> 00:23:18,860

the power of the interwebs that's right

567

00:23:25,000 --> 00:23:21,650

i had um you know i heard about her of

568

00:23:27,340 --> 00:23:25,010

course and and I'd you know having

569

00:23:31,570 --> 00:23:27,350

researched monsters and those sorts of

570

00:23:33,460 --> 00:23:31,580

things you know I I knew about the story

571

00:23:35,050 --> 00:23:33,470

new exciting but she basically dropped

572

00:23:38,100 --> 00:23:35,060

out of sight since her sighting I mean

573

00:23:40,330 --> 00:23:38,110

she said she had this this event in 1995

574

00:23:41,410 --> 00:23:40,340

and then I think she'd give mordor two

575

00:23:43,600 --> 00:23:41,420

interviews and basically it just

576

00:23:45,340 --> 00:23:43,610

disappeared i mean just people talk

577

00:23:47,140 --> 00:23:45,350

about chupacabra but but again the

578

00:23:48,880 --> 00:23:47,150

chupacabra head had moved on he had

579

00:23:50,770 --> 00:23:48,890

moved on to becoming amazing exactly

580

00:23:52,510 --> 00:23:50,780

yeah exactly so so you know and that's

581

00:23:54,100 --> 00:23:52,520

the thing is that you know because these

582

00:23:56,290 --> 00:23:54,110

chupacabras are these these you know

583

00:23:58,480 --> 00:23:56,300

these dead hairless dogs we found in

584

00:23:59,950 --> 00:23:58,490

Texas there's no real reason to connect

585

00:24:01,450 --> 00:23:59,960

that back to the original chupacabra

586

00:24:02,920 --> 00:24:01,460

citing unless you're trying to solve all

587

00:24:04,420 --> 00:24:02,930

day a mystery otherwise there's no

588

00:24:06,580 --> 00:24:04,430

reason why people call Maryland

589

00:24:07,960 --> 00:24:06,590

tolentino to ask her about a dead dog in

590

00:24:09,670 --> 00:24:07,970

Texas there's no but there's no

591

00:24:13,480 --> 00:24:09,680

connection unless you sort of piece it

592

00:24:15,040 --> 00:24:13,490

together and so so yeah so I went and

593

00:24:16,840 --> 00:24:15,050

interviewed on to Puerto Rico and

594

00:24:20,110 --> 00:24:16,850

interviewed mrs. tolentino and her

595

00:24:21,880 --> 00:24:20,120

ex-husband who was still there and she

596

00:24:23,530 --> 00:24:21,890

showed me the original site and I talked

597

00:24:25,570 --> 00:24:23,540

to her got photographs did an extensive

598

00:24:28,570 --> 00:24:25,580

interview with her at a noisy bookstore

599

00:24:30,040 --> 00:24:28,580

outside of San Juan I went to El Yunque

600

00:24:32,890 --> 00:24:30,050

rainforest which is supposedly the

601
00:24:34,480 --> 00:24:32,900
birthplace of chupacabra it's a jungle

602
00:24:37,120 --> 00:24:34,490
area that actually has a research

603
00:24:38,080 --> 00:24:37,130
facility in it and it's so people have

604
00:24:40,760 --> 00:24:38,090
this sort of

605
00:24:42,980 --> 00:24:40,770
suspicion conspiracy element to the

606
00:24:45,770 --> 00:24:42,990
whole story because of the the presence

607
00:24:47,120 --> 00:24:45,780
of a government lab there yeah so

608
00:24:49,070 --> 00:24:47,130
there's lots of conspiracy it's

609
00:24:52,190 --> 00:24:49,080
interesting yeah it's a conspiracy stuff

610
00:24:56,120 --> 00:24:52,200
in there and then I also went to I went

611
00:24:57,800 --> 00:24:56,130
to to Texas to go look at the second

612
00:25:00,860 --> 00:24:57,810
temperature covered this this deadhead

613
00:25:04,760 --> 00:25:00,870

this woman had in her in her freezer for

614

00:25:07,220 --> 00:25:04,770

the the TV show monsterQuest so I wanted

615

00:25:08,810 --> 00:25:07,230

that for TV show and then I also went

616

00:25:10,760 --> 00:25:08,820

she had a dead head in her freezer I

617

00:25:12,950 --> 00:25:10,770

can't let that go by yes a dead head in

618

00:25:14,540 --> 00:25:12,960

a freezer she she found his woman in

619

00:25:18,620 --> 00:25:14,550

Phyllis Canyon so I feed the most famous

620

00:25:21,020 --> 00:25:18,630

chupacabra found ever there was in 2007

621

00:25:23,540 --> 00:25:21,030

she called it to the the summer of the

622

00:25:25,100 --> 00:25:23,550

chupacabras because she found one or two

623

00:25:27,500 --> 00:25:25,110

I think she's since found another one

624

00:25:31,130 --> 00:25:27,510

but she found one dead dog or actually

625

00:25:34,730 --> 00:25:31,140

turneth big coyote on near her ranch out

626
00:25:35,960 --> 00:25:34,740
in Cuero Texas and she she saved it and

627
00:25:37,430 --> 00:25:35,970
she's like oh my god this must be the

628
00:25:39,710 --> 00:25:37,440
chupacabra she went on the internet and

629
00:25:41,000 --> 00:25:39,720
this is this is the pattern you see over

630
00:25:43,690 --> 00:25:41,010
and over again someone's find some they

631
00:25:45,650 --> 00:25:43,700
can't explain like something weird Oh

632
00:25:48,080 --> 00:25:45,660
chupacabra Pollock talking something

633
00:25:50,600 --> 00:25:48,090
weird exactly basic yeah it's something

634
00:25:52,460 --> 00:25:50,610
weird right and I'm almost never is

635
00:25:53,810 --> 00:25:52,470
there a direct connection between in

636
00:25:55,250 --> 00:25:53,820
fact that there's never a direct

637
00:25:57,020 --> 00:25:55,260
connection between you know this this

638
00:25:59,330 --> 00:25:57,030

dead animal they're finding that looks

639

00:26:01,670 --> 00:25:59,340

weird and any blood the trained and

640

00:26:04,070 --> 00:26:01,680

there's just you know just by eye so yes

641

00:26:05,480 --> 00:26:04,080

that spec to my question Elias and I

642

00:26:07,640 --> 00:26:05,490

found a dead what turned out to be a

643

00:26:10,730 --> 00:26:07,650

coyote yes but was she finding animals

644

00:26:13,040 --> 00:26:10,740

on her ass had had punch marks she she

645

00:26:14,720 --> 00:26:13,050

she had previously found she said that

646

00:26:16,040 --> 00:26:14,730

something was attacking her I think it

647

00:26:18,680 --> 00:26:16,050

was chicken that may be killed like one

648

00:26:22,760 --> 00:26:18,690

of her kittens so yes the answer is that

649

00:26:25,040 --> 00:26:22,770

she she it yes it didn't haven't had

650

00:26:26,390 --> 00:26:25,050

punishments uh that's what you said I

651
00:26:27,440 --> 00:26:26,400
mean I didn't see it but by this I mean

652
00:26:29,060 --> 00:26:27,450
this was this has been a year or two

653
00:26:30,470 --> 00:26:29,070
later shouldn't you kiddin for me to see

654
00:26:33,290 --> 00:26:30,480
you thankfully really but she had a head

655
00:26:35,390 --> 00:26:33,300
in there phrase it was well well because

656
00:26:38,290 --> 00:26:35,400
she thinks that that's a chupacabra yeah

657
00:26:41,990 --> 00:26:38,300
she's less interested in the dead gasps

658
00:26:44,180 --> 00:26:42,000
but yeah it was curious and so but but

659
00:26:47,120 --> 00:26:44,190
yeah so she kept the head because again

660
00:26:48,740 --> 00:26:47,130
she believes it's a chupacabra um and so

661
00:26:49,550 --> 00:26:48,750
she kept in the freezer and I got to

662
00:26:52,850 --> 00:26:49,560
examine it

663
00:26:54,800 --> 00:26:52,860

and mrs. meltus oh yeah I there's a

664

00:26:56,360 --> 00:26:54,810

serious funk around that thing have you

665

00:26:57,860 --> 00:26:56,370

ever had a dead oh I had just had this

666

00:26:59,690 --> 00:26:57,870

image of he likes putting it to your

667

00:27:01,580 --> 00:26:59,700

nose and sniffing it I did that yen I

668

00:27:03,200 --> 00:27:01,590

would have licked it well I probably

669

00:27:05,960 --> 00:27:03,210

wouldn't have liked it I'm not I'm not

670

00:27:08,900 --> 00:27:05,970

I'm yeah is this a certain time serving

671

00:27:13,790 --> 00:27:08,910

Western I hope I Supercop really it's

672

00:27:15,200 --> 00:27:13,800

not it no it's not sexual it's didn't

673

00:27:17,510 --> 00:27:15,210

say that well I thought that's where

674

00:27:20,090 --> 00:27:17,520

you're going with that licking to pecado

675

00:27:21,410 --> 00:27:20,100

know but the point here is that is you

676
00:27:24,230 --> 00:27:21,420
need to get as much information as you

677
00:27:27,320 --> 00:27:24,240
can about this right now if this really

678
00:27:30,430 --> 00:27:27,330
is a sever chupacabra head if I could be

679
00:27:33,320 --> 00:27:30,440
the first person in the world to know

680
00:27:35,690 --> 00:27:33,330
for sure what a chupacabra head tastes

681
00:27:39,080 --> 00:27:35,700
like I'm willing to do that you'll be

682
00:27:42,140 --> 00:27:39,090
famous i will be doing the talk show

683
00:27:45,380 --> 00:27:42,150
circuit 7 yeah yeah look where it's

684
00:27:47,180 --> 00:27:45,390
gotten me so far yeah so I'm so I I

685
00:27:49,670 --> 00:27:47,190
didn't end up licking in I did smell it

686
00:27:51,410 --> 00:27:49,680
I did touch it um there's photographs of

687
00:27:53,330 --> 00:27:51,420
it my book so what is it smell like I

688
00:27:55,550 --> 00:27:53,340

mean it's frozen right so I shouldn't be

689

00:27:57,740 --> 00:27:55,560

that smelly yeah well it's been frozen

690

00:28:00,380 --> 00:27:57,750

unfrozen i think i think the the phrase

691

00:28:01,940 --> 00:28:00,390

I used in the book was a it looked like

692

00:28:04,640 --> 00:28:01,950

something that death brought with him in

693

00:28:06,890 --> 00:28:04,650

a suitcase which is a line that I borrow

694

00:28:09,350 --> 00:28:06,900

from Warren Zevon I one of my favorite

695

00:28:11,540 --> 00:28:09,360

musicians but it was via it was just

696

00:28:14,390 --> 00:28:11,550

very funky very Gainey sort of like you

697

00:28:17,390 --> 00:28:14,400

would expect a dead carcass dog to smell

698

00:28:19,520 --> 00:28:17,400

like although again it's a coyote but so

699

00:28:22,760 --> 00:28:19,530

yeah I did that as well also went to the

700

00:28:24,380 --> 00:28:22,770

jungles of Nicaragua i did a jungle

701
00:28:26,810 --> 00:28:24,390
expedition in search of above the

702
00:28:28,400 --> 00:28:26,820
chupacabra and I was there I Nicaragua

703
00:28:30,290 --> 00:28:28,410
well there's couple reasons for

704
00:28:33,020 --> 00:28:30,300
Nicaragua one of them is that there was

705
00:28:35,570 --> 00:28:33,030
a very important sighting in in the year

706
00:28:37,700 --> 00:28:35,580
2000 in nicaragua in a place called mal

707
00:28:41,240 --> 00:28:37,710
ESO which is north of Managua the

708
00:28:45,520 --> 00:28:41,250
capital and there was a guy a farmer

709
00:28:48,350 --> 00:28:45,530
actually who named Jorge talavera who

710
00:28:51,050 --> 00:28:48,360
had been experiencing liason livestock

711
00:28:52,490 --> 00:28:51,060
predation and he ended up laying wait

712
00:28:54,290 --> 00:28:52,500
for whatever was it was attacking his

713
00:28:57,140 --> 00:28:54,300

livestock and he you know him as one of

714

00:28:58,340 --> 00:28:57,150

his helpers saw these one or two

715

00:29:00,919 --> 00:28:58,350

creatures he's not sure I mean

716

00:29:02,810 --> 00:29:00,929

attack his animals and he shot at it in

717

00:29:04,970 --> 00:29:02,820

the dark thinking it was something weird

718

00:29:07,730 --> 00:29:04,980

maybe chupacabra and then a couple days

719

00:29:11,210 --> 00:29:07,740

later his one of his helpers found a

720

00:29:12,830 --> 00:29:11,220

carcass basically bones some distance

721

00:29:15,500 --> 00:29:12,840

away and he believed that that that was

722

00:29:18,730 --> 00:29:15,510

what acting these animals and he took it

723

00:29:21,350 --> 00:29:18,740

to a he took it to a university and

724

00:29:23,390 --> 00:29:21,360

saying look I found the chupacabra these

725

00:29:26,120 --> 00:29:23,400

are typical roams the University said

726

00:29:27,860 --> 00:29:26,130

that it was in fact dog carcass at that

727

00:29:29,600 --> 00:29:27,870

point talavera was not pleased about

728

00:29:32,480 --> 00:29:29,610

this and he claimed there was a

729

00:29:34,430 --> 00:29:32,490

conspiracy that the the university had

730

00:29:36,020 --> 00:29:34,440

actually swell swapped in fact

731

00:29:38,899 --> 00:29:36,030

interesting when you look and warm other

732

00:29:41,180 --> 00:29:38,909

chupacabra there's there's all sorts of

733

00:29:43,250 --> 00:29:41,190

interesting conspiracy theories going

734

00:29:47,149 --> 00:29:43,260

through it there's creationist stories

735

00:29:48,710 --> 00:29:47,159

going through it folklore vampirism it's

736

00:29:49,850 --> 00:29:48,720

it's it's a fascinating story ID

737

00:29:52,250 --> 00:29:49,860

students to me because I spent so much

738

00:29:53,570 --> 00:29:52,260

time on it but anyway to answer your

739

00:29:55,760 --> 00:29:53,580

question why Nicaragua that was one

740

00:29:58,669 --> 00:29:55,770

reason was that was that there have been

741

00:30:00,680 --> 00:29:58,679

significant even though it's almost

742

00:30:02,750 --> 00:30:00,690

certainly not chupacabra that was a very

743

00:30:05,570 --> 00:30:02,760

different sighting report in in two

744

00:30:09,500 --> 00:30:05,580

thousand in Nicaragua the second part

745

00:30:12,169 --> 00:30:09,510

was that if these things still exist if

746

00:30:13,640 --> 00:30:12,179

the chupacabra exists then they have to

747

00:30:15,289 --> 00:30:13,650

be in a place where they're not being

748

00:30:16,789 --> 00:30:15,299

seen routinely they have been a place

749

00:30:19,760 --> 00:30:16,799

that they're hidden away from

750

00:30:23,480 --> 00:30:19,770

civilization and yet they have access to

751

00:30:26,510 --> 00:30:23,490

food printer / to be blood and so the

752

00:30:28,909 --> 00:30:26,520

area that I went to in the in the jungle

753

00:30:30,830 --> 00:30:28,919

of Nicaragua is actually a protected by

754

00:30:32,779 --> 00:30:30,840

Oh Resort Park you have to have special

755

00:30:35,990 --> 00:30:32,789

access to go there it's not open to the

756

00:30:38,630 --> 00:30:36,000

public it's pretty remote and so it made

757

00:30:40,220 --> 00:30:38,640

sense that if if if there's a breeding

758

00:30:42,890 --> 00:30:40,230

population of these chupacabras that

759

00:30:45,649 --> 00:30:42,900

really are existing in attacking animals

760

00:30:47,270 --> 00:30:45,659

of realms that because it's a protected

761

00:30:48,500 --> 00:30:47,280

area their reserve animals in there in

762

00:30:49,909 --> 00:30:48,510

fact there are quite a few animals in

763

00:30:51,890 --> 00:30:49,919

there because of the assle remote and

764

00:30:53,330 --> 00:30:51,900

so predicted that it would be natural

765

00:30:55,130 --> 00:30:53,340

play for Tripucka we would be able to

766

00:30:57,590 --> 00:30:55,140

attack animals without essentially

767

00:30:58,970 --> 00:30:57,600

without being seen and as it turns out I

768

00:31:01,029 --> 00:30:58,980

didn't know this until I went there but

769

00:31:03,260 --> 00:31:01,039

many of the areas around it are actually

770

00:31:05,640 --> 00:31:03,270

ranches and there's there's livestock

771

00:31:07,680 --> 00:31:05,650

round Wow so there's I mean

772

00:31:09,780 --> 00:31:07,690

going down the river I'm seeing cattle

773

00:31:11,940 --> 00:31:09,790

everywhere i'm like well hey if i was a

774

00:31:14,880 --> 00:31:11,950

chupacabra this is where I'd be so

775

00:31:16,500 --> 00:31:14,890

basically my point was that yeah not to

776

00:31:18,330 --> 00:31:16,510

dress it up the armchair issue yeah it

777

00:31:20,190 --> 00:31:18,340

was important that i actually do field

778

00:31:23,940 --> 00:31:20,200

research to go out there go in there go

779

00:31:26,070 --> 00:31:23,950

in the field you know I you know you

780

00:31:28,740 --> 00:31:26,080

could say well you know couldn't you a

781

00:31:31,110 --> 00:31:28,750

spend i spent five days there um you

782

00:31:32,850 --> 00:31:31,120

know it it was a legitimate effort I

783

00:31:34,530 --> 00:31:32,860

mean I hired a tracker I was somebody

784

00:31:36,780 --> 00:31:34,540

who's in the area I mean it was it was a

785

00:31:38,550 --> 00:31:36,790

legitimate expedition you know can I say

786

00:31:42,030 --> 00:31:38,560

that I honestly believed it was going to

787

00:31:45,120 --> 00:31:42,040

find the chupacabra not necessarily but

788

00:31:46,770 --> 00:31:45,130

I was open to it I mean I I wasn't this

789

00:31:48,660 --> 00:31:46,780

wasn't a joke I mean I spent a lot of

790

00:31:50,460 --> 00:31:48,670

time and effort to get there and if I

791

00:31:51,600 --> 00:31:50,470

had found any evidence to Jewpacabra you

792

00:31:53,610 --> 00:31:51,610

can be damn sure I would have followed

793

00:31:55,020 --> 00:31:53,620

up on it so what do you what did you do

794

00:31:59,490 --> 00:31:55,030

you went in there with the tracker and

795

00:32:02,040 --> 00:31:59,500

what you set up camp and then yo yeah we

796

00:32:04,830 --> 00:32:02,050

did a couple different things um one

797

00:32:06,000 --> 00:32:04,840

thing was we it actually took it took

798

00:32:07,830 --> 00:32:06,010

fair amount time just to get there

799

00:32:10,950 --> 00:32:07,840

because it's again we had to go by plane

800

00:32:13,350 --> 00:32:10,960

and then bus and then boat and then a

801
00:32:15,690 --> 00:32:13,360
little roads this is getting further and

802
00:32:17,970 --> 00:32:15,700
further away but we ended up in this

803
00:32:19,950 --> 00:32:17,980
little tiny Lodge wasn't even a lodge is

804
00:32:21,390 --> 00:32:19,960
no electricity there was a little

805
00:32:24,750 --> 00:32:21,400
generator came on a couple hours at

806
00:32:27,660 --> 00:32:24,760
night but we spent a lot of time hiking

807
00:32:29,850 --> 00:32:27,670
the trails in the area we actually would

808
00:32:33,630 --> 00:32:29,860
cross the river into the the protected

809
00:32:35,850 --> 00:32:33,640
area the bio Park area and looked around

810
00:32:37,470 --> 00:32:35,860
there we hired a tracker again who's

811
00:32:39,450 --> 00:32:37,480
been in the area has been doing that for

812
00:32:43,680 --> 00:32:39,460
I think eight years seniors at that

813
00:32:45,750 --> 00:32:43,690

point and so we were saying oh look is

814

00:32:47,070 --> 00:32:45,760

there anything here and we looked at we

815

00:32:49,170 --> 00:32:47,080

found monkeys we found all sorts of

816

00:32:50,070 --> 00:32:49,180

other animals I interviewed him i said

817

00:32:52,410 --> 00:32:50,080

you know have you heard about the

818

00:32:56,850 --> 00:32:52,420

chupacabra he said yes do you live it's

819

00:32:59,460 --> 00:32:56,860

real he sort of gave me this I'm sorry

820

00:33:01,560 --> 00:32:59,470

gave me this look like phase you problem

821

00:33:03,620 --> 00:33:01,570

Ben hey you had a skeptical tracker

822

00:33:06,540 --> 00:33:03,630

who's

823

00:33:09,600 --> 00:33:06,550

they vanished in his presence yeah but

824

00:33:12,210 --> 00:33:09,610

to avoid exactly that i also i also

825

00:33:14,250 --> 00:33:12,220

talked to several local ranchers because

826

00:33:17,130 --> 00:33:14,260

i realized that just because this one

827

00:33:19,620 --> 00:33:17,140

particular bio park employee who was

828

00:33:21,810 --> 00:33:19,630

actually very good at finding tracks and

829

00:33:22,920 --> 00:33:21,820

and identifying animals just because he

830

00:33:24,270 --> 00:33:22,930

hadn't seen it doesn't mean that other

831

00:33:25,710 --> 00:33:24,280

people hadn't seen and so was important

832

00:33:27,540 --> 00:33:25,720

to me to talk to other people so when I

833

00:33:29,880 --> 00:33:27,550

was in the town I asked a couple people

834

00:33:31,920 --> 00:33:29,890

i mean people who had ranches name I

835

00:33:35,340 --> 00:33:31,930

said you know do you do work nearby says

836

00:33:36,750 --> 00:33:35,350

yes have you had any any weird you know

837

00:33:40,440 --> 00:33:36,760

livestock predation or anything else

838

00:33:43,140 --> 00:33:40,450

that he says no I mean Jaguars I'm and

839

00:33:44,460 --> 00:33:43,150

Jaguar sometimes attack animals we don't

840

00:33:46,140 --> 00:33:44,470

believe in chupacabra there's never

841

00:33:48,290 --> 00:33:46,150

anything weird like that so the answer's

842

00:33:51,690 --> 00:33:48,300

no in fact that's what that's what this

843

00:33:54,270 --> 00:33:51,700

that's what the the guide said a guy

844

00:33:55,920 --> 00:33:54,280

named fernando i said that the the

845

00:33:58,230 --> 00:33:55,930

ranchers here are far more afraid of mad

846

00:34:01,650 --> 00:33:58,240

cow disease and chip and jaguars the

847

00:34:03,360 --> 00:34:01,660

chupacabras so he knew I said that that

848

00:34:05,640 --> 00:34:03,370

was part it was was was interviewing

849

00:34:08,129 --> 00:34:05,650

people they're looking for things and

850

00:34:11,040 --> 00:34:08,139

then the second part of it was looking

851

00:34:12,899 --> 00:34:11,050

for tracks because it's one thing to say

852

00:34:14,760 --> 00:34:12,909

that the chupacabra hides and then you

853

00:34:16,050 --> 00:34:14,770

can't always find it in Weber elves it's

854

00:34:19,080 --> 00:34:16,060

another name state doesn't need tracks

855

00:34:21,389 --> 00:34:19,090

and so so that was important to me was

856

00:34:23,340 --> 00:34:21,399

was the even though I mean the fact you

857

00:34:25,260 --> 00:34:23,350

can go look for something just don't see

858

00:34:27,419 --> 00:34:25,270

doesn't mean it's not there but it

859

00:34:29,700 --> 00:34:27,429

should leave tracks yeah and i should

860

00:34:37,100 --> 00:34:29,710

say scat too much it's Caswell right

861

00:34:43,260 --> 00:34:37,110

exactly right who who says weird he said

862

00:34:46,730 --> 00:34:43,270

um but yes i'll just say poo so um we

863

00:34:49,800 --> 00:34:46,740

didn't see either either tracked or poo

864

00:34:51,540 --> 00:34:49,810

well there could have been there because

865

00:34:55,800 --> 00:34:51,550

i'm just i was at my mention poem

866

00:34:58,470 --> 00:34:55,810

because we owe this we don't say that in

867

00:35:02,200 --> 00:34:58,480

America no say hello did you say we see

868

00:35:07,609 --> 00:35:02,210

the scatter [h__h] or we don't say hey

869

00:35:12,769 --> 00:35:07,619

hey poo poo nevermind yeah it's just a

870

00:35:14,900 --> 00:35:12,779

subject so I'm you do claim that you

871

00:35:17,029 --> 00:35:14,910

have solved this 15 year old mystery of

872

00:35:18,370 --> 00:35:17,039

randomized origin but I don't know if we

873

00:35:20,359 --> 00:35:18,380

want to keep away the whole story

874

00:35:22,849 --> 00:35:20,369

because we want people to buy the book

875

00:35:25,880 --> 00:35:22,859

well it's fascinating book i mean i can

876

00:35:27,019 --> 00:35:25,890

certainly the books been out for a

877

00:35:28,609 --> 00:35:27,029

couple months now i mean if someone

878

00:35:30,289 --> 00:35:28,619

really wants to find out what my answer

879

00:35:33,799 --> 00:35:30,299

is that it's not it's not that hard to

880

00:35:35,839 --> 00:35:33,809

find but yeah I mean basically I i did

881

00:35:37,849 --> 00:35:35,849

i'm convinced that i have solved the

882

00:35:39,890 --> 00:35:37,859

mystery and I don't say that lightly and

883

00:35:41,569 --> 00:35:39,900

listeners don't forget to tune in next

884

00:35:44,420 --> 00:35:41,579

week for part two of this interview

885

00:35:56,070 --> 00:35:44,430

where Ben reveals the secrets behind the

886

00:36:01,420 --> 00:35:59,230

hello on Allah needle on solo scoffs of

887

00:36:03,550 --> 00:36:01,430

dip moment been to an ad low so another

888

00:36:08,080 --> 00:36:03,560

skeptic zone for weeds and swap and

889

00:36:11,140 --> 00:36:08,090

Katie Schneider I moved in for Marcie

890

00:36:24,340 --> 00:36:11,150

fauna we may be some skeptics own burnt

891

00:36:27,190 --> 00:36:24,350

TV well i'm here at the powerhouse

892

00:36:30,820 --> 00:36:27,200

museum in Sydney the Science and

893

00:36:32,800 --> 00:36:30,830

Technology Museum and the Rachel dr.

894

00:36:35,340 --> 00:36:32,810

Reggie and I are going to be performing

895

00:36:38,170 --> 00:36:35,350

six shows of our mystery investigators

896

00:36:40,450 --> 00:36:38,180

show the show we do for schools mainly

897

00:36:42,880 --> 00:36:40,460

exploring the strange and mysterious and

898

00:36:44,260 --> 00:36:42,890

the paranormal bed of nails water

899

00:36:47,080 --> 00:36:44,270

divining and all that sort of stuff but

900

00:36:48,610 --> 00:36:47,090

before the crowds get here I've already

901
00:36:50,140 --> 00:36:48,620
set up the show and I'm just wandering

902
00:36:51,580 --> 00:36:50,150
around and other scientists from other

903
00:36:53,590 --> 00:36:51,590
organizations are setting up their

904
00:36:55,720 --> 00:36:53,600
tables on various stages in the

905
00:36:58,000 --> 00:36:55,730
powerhouse I've come across one a

906
00:37:01,090 --> 00:36:58,010
relatively new exhibition they have here

907
00:37:04,660 --> 00:37:01,100
they've recreated our the surface of

908
00:37:06,390 --> 00:37:04,670
Mars quite well in a very large area

909
00:37:09,870 --> 00:37:06,400
with lots of

910
00:37:12,779 --> 00:37:09,880
mars type rocks is even a rover which

911
00:37:15,210 --> 00:37:12,789
I'm sure gets to drive around this great

912
00:37:19,349 --> 00:37:15,220
landscape they've got down here little

913
00:37:21,299 --> 00:37:19,359

display here to the robot itself so that

914

00:37:23,279 --> 00:37:21,309

when you command it to do something

915

00:37:24,930 --> 00:37:23,289

you're hoping that it will actually do

916

00:37:27,329 --> 00:37:24,940

the task before it sends back

917

00:37:28,920 --> 00:37:27,339

information to you again so we can start

918

00:37:31,170 --> 00:37:28,930

very simple we just make it to something

919

00:37:33,900 --> 00:37:31,180

automatic it's a man on the screen

920

00:37:35,940 --> 00:37:33,910

talking about the rover I'm very lucky

921

00:37:37,829 --> 00:37:35,950

maybe during a break today I can pop

922

00:37:41,779 --> 00:37:37,839

over here and see the rover in action as

923

00:37:46,019 --> 00:37:41,789

it trundles around this recreation of

924

00:37:47,970 --> 00:37:46,029

Mars it's about the size of a big

925

00:37:50,269 --> 00:37:47,980

swimming pool not an Olympic swimming

926
00:37:55,529 --> 00:37:50,279
pool but a fairly sizable swimming pool

927
00:37:57,420 --> 00:37:55,539
looks great with them the wall behind

928
00:38:00,480 --> 00:37:57,430
it's got real photographs from the

929
00:38:04,200 --> 00:38:00,490
surface of Mars and the big area in

930
00:38:07,620 --> 00:38:04,210
front of me covered with the marsh type

931
00:38:11,430 --> 00:38:07,630
/ soil and rocks I'm sort of in the

932
00:38:13,140 --> 00:38:11,440
robotics section of the museum which i

933
00:38:16,380 --> 00:38:13,150
guess is why they have the rover rover

934
00:38:21,359 --> 00:38:16,390
maybe and there's even the robot from

935
00:38:26,220 --> 00:38:21,369
lost in space yeah and if I sit down

936
00:38:28,500 --> 00:38:26,230
here they have and this it's it's

937
00:38:30,450 --> 00:38:28,510
interesting to note they've got one of

938
00:38:37,440 --> 00:38:30,460

these tabletops space invaders games

939

00:38:39,240 --> 00:38:37,450

free to play so and this is a museum so

940

00:38:41,130 --> 00:38:39,250

there you go my childhood has now become

941

00:38:43,559 --> 00:38:41,140

part of museum and it's got lots of

942

00:38:45,660 --> 00:38:43,569

games and let me try this one

943

00:39:07,460 --> 00:38:45,670

maybe some listeners will recognize this

944

00:39:14,250 --> 00:39:11,130

I think I did just as well as I used to

945

00:39:18,690 --> 00:39:14,260

do in the in the early 80s on that game

946

00:39:20,370 --> 00:39:18,700

oh well as the noise you can hear is the

947

00:39:22,580 --> 00:39:20,380

renovation to doing extensive

948

00:39:27,120 --> 00:39:22,590

renovations ship via powerhouse museum

949

00:39:33,570 --> 00:39:27,130

which is great but noisy and I'll walk

950

00:39:36,930 --> 00:39:33,580

around now to the Hall of Transportation

951
00:39:40,590 --> 00:39:36,940
memorabilia a horse and cart all the way

952
00:39:42,960 --> 00:39:40,600
up to rocket engines and right above me

953
00:39:44,780 --> 00:39:42,970
where the mystery investigators will be

954
00:39:49,170 --> 00:39:44,790
performing today on our little stage is

955
00:39:50,790 --> 00:39:49,180
a giant looks like a sea plane or

956
00:39:54,570 --> 00:39:50,800
something hanging from the ceiling its

957
00:39:57,780 --> 00:39:54,580
massive it's really hard to judge from

958
00:40:00,090 --> 00:39:57,790
here underneath it how big it is but it

959
00:40:02,510 --> 00:40:00,100
is no small plane i can tell you and i

960
00:40:05,100 --> 00:40:02,520
hope it's securely fastened oh yeah

961
00:40:09,060 --> 00:40:05,110
anyway looking forward very much to our

962
00:40:10,590 --> 00:40:09,070
six performances today and I'm delighted

963
00:40:13,170 --> 00:40:10,600

to say we're about to start the showing

964

00:40:15,630 --> 00:40:13,180

dr. H is he hi dr. AG hi dr. Richard

965

00:40:18,210 --> 00:40:15,640

looking wonderful in your black lab coat

966

00:40:21,720 --> 00:40:18,220

I am in black today is my new lab coat

967

00:40:24,000 --> 00:40:21,730

design it's uh yeah sleek and sexy I

968

00:40:26,880 --> 00:40:24,010

think so I think so got the stage set up

969

00:40:28,680 --> 00:40:26,890

with our water divining tubs 126 we've

970

00:40:30,540 --> 00:40:28,690

got the posters of the back and we've

971

00:40:32,520 --> 00:40:30,550

got the juggling balls and the better

972

00:40:34,050 --> 00:40:32,530

nails all ready to go and we're starting

973

00:40:35,550 --> 00:40:34,060

to get an audience Richard because I

974

00:40:36,900 --> 00:40:35,560

think their show next door has just

975

00:40:38,610 --> 00:40:36,910

finished up so

976

00:40:40,530 --> 00:40:38,620

well it's actually a really good setup

977

00:40:43,050 --> 00:40:40,540

here we're in the transport some part of

978

00:40:44,970 --> 00:40:43,060

the museum so above us is a giant place

979

00:40:47,280 --> 00:40:44,980

well yeah a numerous giant planes

980

00:40:49,620 --> 00:40:47,290

actually but there is one above us that

981

00:40:51,600 --> 00:40:49,630

is really huge and I'm hoping it won't

982

00:40:53,400 --> 00:40:51,610

fall on our heads during the show it

983

00:40:54,900 --> 00:40:53,410

would be good if it doesn't it would be

984

00:40:56,940 --> 00:40:54,910

I think well I think it's been up there

985

00:40:58,590 --> 00:40:56,950

for some time I think so years and years

986

00:41:01,680 --> 00:40:58,600

I'm pretty sure it'll be pretty stable

987

00:41:03,090 --> 00:41:01,690

but yes I'm looking forward to it today

988

00:41:06,090 --> 00:41:03,100

it's gonna be fun it's going to be fun

989

00:41:08,430 --> 00:41:06,100

let's go well the show went very well

990

00:41:10,950 --> 00:41:08,440

and we pick up the action now right

991

00:41:15,120 --> 00:41:10,960

towards the end where we bring up the

992

00:41:18,540 --> 00:41:15,130

bed of nails and dr. H he gets the stand

993

00:41:20,400 --> 00:41:18,550

on my back so here it is a little bit at

994

00:41:24,030 --> 00:41:20,410

the end of the show where we have the

995

00:41:26,370 --> 00:41:24,040

bed of nails now and you just hope for

996

00:41:30,900 --> 00:41:26,380

us you're not rubbin out they are real

997

00:41:34,080 --> 00:41:30,910

Mouse personally in the middle yep they

998

00:41:36,620 --> 00:41:34,090

run up to the real real man exact now

999

00:42:05,280 --> 00:41:36,630

not a tough weekend to take advantage

1000

00:42:10,840 --> 00:42:08,410

you know it's been a bit of a minute the

1001
00:42:12,610 --> 00:42:10,850
year so people can really rely on the

1002
00:42:35,290 --> 00:42:12,620
good mouse I think it's too dangerous i

1003
00:42:41,260 --> 00:42:35,300
think it may be beside me yeah i think i

1004
00:43:33,540 --> 00:42:41,270
think now everything before you another

1005
00:43:33,550 --> 00:43:57,849
Oh

1006
00:44:12,220 --> 00:44:09,800
the whole very close together but where

1007
00:44:14,270 --> 00:44:12,230
the hull connection can shop the thingy

1008
00:44:16,730 --> 00:44:14,280
variables is also another great

1009
00:44:18,620 --> 00:44:16,740
mysteries that he is dr. Reggie was and

1010
00:44:21,349 --> 00:44:18,630
people for how another hearing other

1011
00:44:25,220 --> 00:44:21,359
people I've been announced using science

1012
00:44:27,230 --> 00:44:25,230
we decided you December what what

1013
00:44:29,420 --> 00:44:27,240

wealthy everybody for helping us to

1014

00:44:48,770 --> 00:44:29,430

investigate lots of mysteries today we

1015

00:44:52,040 --> 00:44:48,780

are the mystery investigators Scopes

1016

00:44:54,620 --> 00:44:52,050

Monkey choir Scopes Monkey choir wait

1017

00:44:57,260 --> 00:44:54,630

are we a fire no when I require but we

1018

00:45:01,250 --> 00:44:57,270

are musicians when I monkeys either we

1019

00:45:04,520 --> 00:45:01,260

are running so what is Scopes Monkey

1020

00:45:06,770 --> 00:45:04,530

choir it's podcast oh yeah it's podcast

1021

00:45:09,740 --> 00:45:06,780

it's the podcast where music and sound

1022

00:45:11,780 --> 00:45:09,750

me to science and skepticism we are two

1023

00:45:13,579 --> 00:45:11,790

professional musicians who decided turn

1024

00:45:15,530 --> 00:45:13,589

are skeptical eyes on our own profession

1025

00:45:18,109 --> 00:45:15,540

we look at the science of music we look

1026

00:45:20,540 --> 00:45:18,119

at studies recent studies about music

1027

00:45:23,200 --> 00:45:20,550

and sound we look skeptically at musical

1028

00:45:26,560 --> 00:45:23,210

myths we look at

1029

00:45:29,050 --> 00:45:26,570

and we work out about music there's new

1030

00:45:31,510 --> 00:45:29,060

asset scopes monkey choir calm I'll find

1031

00:45:33,010 --> 00:45:31,520

us on iTunes scopes monkey choir the

1032

00:45:42,070 --> 00:45:33,020

podcast for music and sounds meat

1033

00:45:44,140 --> 00:45:42,080

science and skepticism now a word or two

1034

00:45:46,839 --> 00:45:44,150

or three or four from our friends in

1035

00:45:49,510 --> 00:45:46,849

Victoria the Victorian skeptics they've

1036

00:45:52,570 --> 00:45:49,520

got to stand this weekend that's the

1037

00:45:55,089 --> 00:45:52,580

other 20th and the 21st at science works

1038

00:45:58,420 --> 00:45:55,099

there in Melbourne as part of Science

1039

00:46:01,150 --> 00:45:58,430

Week friend of the skeptics Nicholas

1040

00:46:03,400 --> 00:46:01,160

Johnson will be putting on a magic show

1041

00:46:05,380 --> 00:46:03,410

next to the skeptic stand and the

1042

00:46:07,270 --> 00:46:05,390

skeptics themselves will be doing

1043

00:46:10,089 --> 00:46:07,280

demonstrations of the ideomotor effect

1044

00:46:13,140 --> 00:46:10,099

are more commonly known as dowsing and

1045

00:46:16,270 --> 00:46:13,150

also kinesiology applied kinesiology

1046

00:46:17,859 --> 00:46:16,280

demonstrations using the famous placebo

1047

00:46:19,810 --> 00:46:17,869

band and I think we know a little bit

1048

00:46:23,530 --> 00:46:19,820

about that then on the following

1049

00:46:25,990 --> 00:46:23,540

thursday the 25th you can dine with leo

1050

00:46:29,109 --> 00:46:26,000

egg way all the way from Africa at

1051

00:46:31,030 --> 00:46:29,119

lanata restaurant Leo is known as a

1052

00:46:33,820 --> 00:46:31,040

campaigner for reason humanism and

1053

00:46:35,920 --> 00:46:33,830

skeptical thinking in Nigeria and

1054

00:46:37,930 --> 00:46:35,930

apparently there are still some places

1055

00:46:40,900 --> 00:46:37,940

left for that dinner the following

1056

00:46:43,240 --> 00:46:40,910

Saturday the 27th of August Leo will be

1057

00:46:46,690 --> 00:46:43,250

speaking at a much larger venue trades

1058

00:46:49,240 --> 00:46:46,700

hall in Victoria Street Carlton the talk

1059

00:46:52,540 --> 00:46:49,250

will be entitled witch hunts injustice

1060

00:46:54,310 --> 00:46:52,550

and superstition in Africa the cost is

1061

00:46:57,130 --> 00:46:54,320

only ten dollars per person with

1062

00:46:59,770 --> 00:46:57,140

proceeds donated to Leo to help his work

1063

00:47:02,290 --> 00:46:59,780

in Africa now for more information about

1064

00:47:04,510 --> 00:47:02,300

these events and each one would be well

1065

00:47:07,450 --> 00:47:04,520

worth attending go along to the

1066

00:47:12,210 --> 00:47:07,460

Victorian skeptics website which is HTTP

1067

00:47:16,390 --> 00:47:12,220

colon slash slash Vic skeptics dot

1068

00:47:24,380 --> 00:47:16,400

wordpress.com or just google Victorian

1069

00:47:30,660 --> 00:47:28,170

hi this is scary papi i am ross Blocher

1070

00:47:34,110 --> 00:47:30,670

okay Ross hey we're from a podcast

1071

00:47:35,820 --> 00:47:34,120

called oh no Ross and Carrie we find out

1072

00:47:37,230 --> 00:47:35,830

what happens when you show up and ask

1073

00:47:39,480 --> 00:47:37,240

questions we've hung out with the

1074

00:47:42,030 --> 00:47:39,490

Cabalists the Mormons we've gone and

1075

00:47:44,460 --> 00:47:42,040

gotten ear candle gone to the sikhs we

1076

00:47:46,110 --> 00:47:44,470

show up so you don't have to so find out

1077

00:47:48,210 --> 00:47:46,120

where we're going next we'll even have

1078

00:47:50,610 --> 00:47:48,220

special episodes where we have famous

1079

00:47:52,620 --> 00:47:50,620

guests like Brian Dalton from mr. deity

1080

00:47:54,630 --> 00:47:52,630

you heard that awesome theme music he

1081

00:47:58,800 --> 00:47:54,640

wrote that you should come visit us at

1082

00:48:01,620 --> 00:47:58,810

Oh No podcast.com or facebook.com slash

1083

00:48:05,700 --> 00:48:01,630

on rack what the hell's honor a cross Oh

1084

00:48:12,090 --> 00:48:05,710

in RAC Oh Oh No Ross and Carrie that's

1085

00:48:20,230 --> 00:48:16,560

here's my not spooky action at a

1086

00:48:26,960 --> 00:48:23,450

well I'm standing an ill at Mayfield

1087

00:48:29,060 --> 00:48:26,970

West looking at the csiro i like to call

1088

00:48:30,320 --> 00:48:29,070

it the death rate but it's not as

1089

00:48:32,030 --> 00:48:30,330

science fictiony as that but it is

1090

00:48:33,950 --> 00:48:32,040

science fact we're looking at look

1091

00:48:36,170 --> 00:48:33,960

please let us know who you are and what

1092

00:48:37,520 --> 00:48:36,180

Marvel we're looking at over here my

1093

00:48:39,290 --> 00:48:37,530

name's James McGregor I'm the energy

1094

00:48:41,690 --> 00:48:39,300

systems manager here at the energy

1095

00:48:43,820 --> 00:48:41,700

center at maple west and I was like

1096

00:48:45,260 --> 00:48:43,830

happy Science Week thank you yes there's

1097

00:48:46,970 --> 00:48:45,270

National Science Week and what's going

1098

00:48:49,339 --> 00:48:46,980

on here today and got lots of members of

1099

00:48:52,250 --> 00:48:49,349

public here so this particular project

1100

00:48:53,570 --> 00:48:52,260

is a blonde our new high temperature bad

1101
00:48:55,609 --> 00:48:53,580
boy on the block high temperature solar

1102
00:48:57,230 --> 00:48:55,619
tower and what we actually doing here is

1103
00:48:58,849 --> 00:48:57,240
concentrating the sun's energy to heat

1104
00:49:01,099 --> 00:48:58,859
air so we had a thousand degrees Celsius

1105
00:49:02,570 --> 00:49:01,109
now when the Spanish CDs do they get

1106
00:49:04,160 --> 00:49:02,580
really pissed off because they've got

1107
00:49:05,720 --> 00:49:04,170
something over there and from what I've

1108
00:49:07,520 --> 00:49:05,730
seen it's rubbish it's complete rubbish

1109
00:49:09,080 --> 00:49:07,530
in fact I write letters to them saying

1110
00:49:10,580 --> 00:49:09,090
thank you just pull it down and get

1111
00:49:11,420 --> 00:49:10,590
themselves a newcastle west and build

1112
00:49:13,490 --> 00:49:11,430
something like this because this is

1113
00:49:14,839 --> 00:49:13,500

better than one that got in Spain and it

1114

00:49:16,670 --> 00:49:14,849

gets all the coverage on Discovery

1115

00:49:18,920 --> 00:49:16,680

Channel what's wrong with that certainly

1116

00:49:22,070 --> 00:49:18,930

optically this particular facility is

1117

00:49:23,210 --> 00:49:22,080

much higher performance however this the

1118

00:49:24,440 --> 00:49:23,220

Spanish you talking about having our

1119

00:49:27,050 --> 00:49:24,450

soul are actually one of our partners

1120

00:49:29,240 --> 00:49:27,060

now so there actually are here top

1121

00:49:31,099 --> 00:49:29,250

people I've never never said anything

1122

00:49:32,240 --> 00:49:31,109

bad about the minute so are they

1123

00:49:34,099 --> 00:49:32,250

partners because they're basically

1124

00:49:35,720 --> 00:49:34,109

trying to do some industrial espionage

1125

00:49:37,400 --> 00:49:35,730

on us is that what's going on I don't

1126

00:49:39,560 --> 00:49:37,410

think that's the case I think they've

1127

00:49:42,130 --> 00:49:39,570

seen the quality of the research is

1128

00:49:44,630 --> 00:49:42,140

going on here at it in the hunter and

1129

00:49:46,430 --> 00:49:44,640

they see some real value in helping them

1130

00:49:48,920 --> 00:49:46,440

to improve what they're doing over there

1131

00:49:50,599 --> 00:49:48,930

in Spain now don't correct me if I'm

1132

00:49:52,310 --> 00:49:50,609

wrong and I probably will be about three

1133

00:49:54,140 --> 00:49:52,320

words into this is that what they're

1134

00:49:57,200 --> 00:49:54,150

doing is they're heating water in Spain

1135

00:49:59,120 --> 00:49:57,210

with the solar radiation focusing and we

1136

00:50:01,630 --> 00:49:59,130

are heating air to make an air turbine

1137

00:50:04,160 --> 00:50:01,640

is that correct that's great yesterday

1138

00:50:06,020 --> 00:50:04,170

what I produced in for the steam turbine

1139

00:50:07,579 --> 00:50:06,030

same way conventional fossil fuel plants

1140

00:50:09,109 --> 00:50:07,589

typically operate or coal-fired power

1141

00:50:10,430 --> 00:50:09,119

stations operate yeah which is all right

1142

00:50:12,020 --> 00:50:10,440

if you've got plenty of rivers but if

1143

00:50:13,730 --> 00:50:12,030

you're in the middle of say the Simpson

1144

00:50:15,740 --> 00:50:13,740

Desert yeah absolutely and waters be

1145

00:50:17,240 --> 00:50:15,750

issue so and that's one of the reasons

1146

00:50:19,700 --> 00:50:17,250

why we're focusing on this solar Brayton

1147

00:50:22,220 --> 00:50:19,710

technology which is basically a guest to

1148

00:50:24,200 --> 00:50:22,230

everyone that's been modified to run on

1149

00:50:25,970 --> 00:50:24,210

solar and all the only two inputs we

1150

00:50:27,650 --> 00:50:25,980

need a bassy son and heir and we can

1151

00:50:29,810 --> 00:50:27,660

generate electricity from it and of

1152

00:50:31,690 --> 00:50:29,820

course the big difficulty is base load

1153

00:50:33,400 --> 00:50:31,700

how do you make sure that we've got some

1154

00:50:35,530 --> 00:50:33,410

power for our modem it's a couple of

1155

00:50:37,420 --> 00:50:35,540

questions si1 we can do storage so

1156

00:50:39,670 --> 00:50:37,430

there's actually a solar players open up

1157

00:50:41,020 --> 00:50:39,680

in Spain with our Spanish friends that

1158

00:50:44,170 --> 00:50:41,030

actually operates 24 hours they now

1159

00:50:46,420 --> 00:50:44,180

called Gemma solar so how do you keep

1160

00:50:48,790 --> 00:50:46,430

the heat from the Sun during the night

1161

00:50:50,230 --> 00:50:48,800

time yes so what we do is we use we can

1162

00:50:52,120 --> 00:50:50,240

use liquid metals we can use things

1163

00:50:53,740 --> 00:50:52,130

called molten salt so we basically heat

1164

00:50:55,390 --> 00:50:53,750

up materials to get a very high temperature

1165

00:50:58,060 --> 00:50:55,400

and put them in a big hot water tank

1166

00:50:59,620 --> 00:50:58,070

effectively so salt hot water people the

1167

00:51:02,170 --> 00:50:59,630

people have at home is an example of

1168

00:51:03,280 --> 00:51:02,180

thermal storage so water LCD during a day

1169

00:51:04,839 --> 00:51:03,290

and you use it at night when you come

1170

00:51:06,220 --> 00:51:04,849

out of a shower or after you been

1171

00:51:07,510 --> 00:51:06,230

watching what have you watch on on the

1172

00:51:10,480 --> 00:51:07,520

internet and of course there's

1173

00:51:12,190 --> 00:51:10,490

Montgomery Burns is love saying you know

1174

00:51:13,480 --> 00:51:12,200

solar energy has no future because it

1175

00:51:15,819 --> 00:51:13,490

can't actually make large-scale

1176

00:51:17,109 --> 00:51:15,829

productions if this was scaled up what

1177

00:51:18,760 --> 00:51:17,119

do you think would be the maximum output

1178

00:51:20,290 --> 00:51:18,770

I mean could we do or something like

1179

00:51:22,180 --> 00:51:20,300

we've got over it then like my mower

1180

00:51:23,530 --> 00:51:22,190

there we go could we but how many giga

1181

00:51:24,940 --> 00:51:23,540

watts could we get out of one of these

1182

00:51:27,849 --> 00:51:24,950

if we get it well if we look at

1183

00:51:29,290 --> 00:51:27,859

australia's solar resource every three

1184

00:51:30,609 --> 00:51:29,300

and half days or thereabouts-- the

1185

00:51:31,690 --> 00:51:30,619

amount of solar energy the lens on our

1186

00:51:33,910 --> 00:51:31,700

country is enough to power the entire

1187

00:51:35,319 --> 00:51:33,920

world for a year so the salt there's no

1188

00:51:38,589 --> 00:51:35,329

limitation really on the solar resource

1189

00:51:40,540 --> 00:51:38,599

this particular technology here we

1190

00:51:41,770 --> 00:51:40,550

expect that's about 10 megawatt be the

1191

00:51:44,260 --> 00:51:41,780

sort of unit size you would have there

1192

00:51:46,480 --> 00:51:44,270

and if you want to under megawatts you

1193

00:51:48,490 --> 00:51:46,490

just build 20 of them so there's really

1194

00:51:50,020 --> 00:51:48,500

no upper limit in terms of the capacity

1195

00:51:52,839 --> 00:51:50,030

we can generate now with these systems

1196

00:51:54,819 --> 00:51:52,849

and it so any plans to trial it at any

1197

00:51:56,140 --> 00:51:54,829

city in australia or hang on why do we

1198

00:51:58,630 --> 00:51:56,150

trial it in spain just see how it goes

1199

00:51:59,890 --> 00:51:58,640

airfares certainly we're working with

1200

00:52:02,470 --> 00:51:59,900

some of our industrial partners at

1201
00:52:05,109 --> 00:52:02,480
mitsubishi heavy industries also to

1202
00:52:06,550 --> 00:52:05,119
identify a the next scale which is about

1203
00:52:09,309 --> 00:52:06,560
10 times bigger than what you see here

1204
00:52:11,079 --> 00:52:09,319
today and we're getting very close to

1205
00:52:12,640 --> 00:52:11,089
identifying a suitable site and partners

1206
00:52:15,550 --> 00:52:12,650
for that so i would think that within

1207
00:52:16,870 --> 00:52:15,560
certain within five years we'll see a 10

1208
00:52:18,970 --> 00:52:16,880
time scale up what you see here

1209
00:52:21,880 --> 00:52:18,980
operating and generate electricity and

1210
00:52:23,740 --> 00:52:21,890
then hopefully another five years past

1211
00:52:25,420 --> 00:52:23,750
that will see the full scale 10 megawatt

1212
00:52:26,890 --> 00:52:25,430
sort of commercial system look I'm

1213
00:52:28,210 --> 00:52:26,900

really impressed and like just a touch

1214

00:52:29,380 --> 00:52:28,220

proud as an Australian to see that's

1215

00:52:31,750 --> 00:52:29,390

going on because as you know in this

1216

00:52:33,910 --> 00:52:31,760

country the percent we spend on R&D is

1217

00:52:35,530 --> 00:52:33,920

very small to our gross domestic product

1218

00:52:36,880 --> 00:52:35,540

compared to almost any other country and

1219

00:52:38,579 --> 00:52:36,890

to see this sort of stuff going to going

1220

00:52:40,200 --> 00:52:38,589

on is I mean

1221

00:52:41,670 --> 00:52:40,210

how did you convince someone to cough up

1222

00:52:42,779 --> 00:52:41,680

the money for that I mean was it because

1223

00:52:44,759 --> 00:52:42,789

the Spanish in the Japanese are

1224

00:52:46,829 --> 00:52:44,769

interested well I think we were

1225

00:52:48,450 --> 00:52:46,839

fortunate the Australian solar institute

1226

00:52:51,209 --> 00:52:48,460

established his headquarters here in

1227

00:52:53,309 --> 00:52:51,219

Newcastle and this is one of three

1228

00:52:54,599 --> 00:52:53,319

foundation projects they can commit

1229

00:52:57,180 --> 00:52:54,609

advances they committed five million

1230

00:52:59,459 --> 00:52:57,190

dollars to really and their mission is

1231

00:53:01,650 --> 00:52:59,469

to try and increase our research

1232

00:53:02,999 --> 00:53:01,660

capability here in Australia and this is

1233

00:53:05,249 --> 00:53:03,009

one of the first projects as guess has

1234

00:53:06,749 --> 00:53:05,259

come to fruition and it's a brilliant

1235

00:53:08,999 --> 00:53:06,759

piece of infrastructure and yet

1236

00:53:11,400 --> 00:53:09,009

Newcastle should be very proud their

1237

00:53:14,039 --> 00:53:11,410

lawn looks fantastic I have to ask you

1238

00:53:15,420 --> 00:53:14,049

is there anything at all technically two

1239

00:53:16,709 --> 00:53:15,430

is there any technology involved than

1240

00:53:19,529 --> 00:53:16,719

that that might have been to do with

1241

00:53:22,170 --> 00:53:19,539

Nicholas Tesla at all no I don't know

1242

00:53:24,109 --> 00:53:22,180

gee I was hoping we might have got him

1243

00:53:26,309 --> 00:53:24,119

into the interview but not at all I know

1244

00:53:29,479 --> 00:53:26,319

unfortunately not know sir this is all

1245

00:53:32,549 --> 00:53:29,489

new castle design new castle built and

1246

00:53:34,680 --> 00:53:32,559

Newcastle adult and we know you guys

1247

00:53:36,269 --> 00:53:34,690

like nicknames in science among the

1248

00:53:37,410 --> 00:53:36,279

staff what is the nickname for the array

1249

00:53:40,289 --> 00:53:37,420

in the mirror there you got a big cool

1250

00:53:42,329 --> 00:53:40,299

nickname it's our we call it very boring

1251
00:53:44,160 --> 00:53:42,339
Lisi 1000 because it's a thousand

1252
00:53:46,890 --> 00:53:44,170
kilowatts capacity it's a robot from

1253
00:53:48,839 --> 00:53:46,900
futurama during construction that was

1254
00:53:51,450 --> 00:53:48,849
being termed the field of dreams so

1255
00:53:52,469 --> 00:53:51,460
build it and they will come that's great

1256
00:53:53,640 --> 00:53:52,479
look I'm going to talk a few of the

1257
00:53:54,690 --> 00:53:53,650
people that are here and what seems to

1258
00:53:55,859 --> 00:53:54,700
be the reaction for the members of the

1259
00:53:58,920 --> 00:53:55,869
public could have seen this today I

1260
00:54:00,779 --> 00:53:58,930
think they're really impressed I think

1261
00:54:02,459 --> 00:54:00,789
this this technology in the research we

1262
00:54:04,620 --> 00:54:02,469
do is better known around the world than

1263
00:54:07,200 --> 00:54:04,630

it is in Hunter so I think people are

1264

00:54:09,450 --> 00:54:07,210

quite amazed that some of the world's

1265

00:54:11,640 --> 00:54:09,460

best capability in this areas in their

1266

00:54:13,049 --> 00:54:11,650

own backyard a lot of people when they

1267

00:54:16,799 --> 00:54:13,059

think of solar energy they think of

1268

00:54:17,670 --> 00:54:16,809

photo photo voltaic cells and that's not

1269

00:54:20,099 --> 00:54:17,680

what that is at all you're just

1270

00:54:24,479 --> 00:54:20,109

directing the sunlight at a system air

1271

00:54:25,459 --> 00:54:24,489

turbine do you think the development

1272

00:54:27,209 --> 00:54:25,469

that this is going to overtake

1273

00:54:29,400 --> 00:54:27,219

photovoltaic or is there still a role

1274

00:54:30,719 --> 00:54:29,410

for them now I think as we look at our

1275

00:54:31,859 --> 00:54:30,729

energy mix there's going to be a range

1276

00:54:34,109 --> 00:54:31,869

of applications for whole range of

1277

00:54:35,880 --> 00:54:34,119

technologies no one solution I think

1278

00:54:37,589 --> 00:54:35,890

what we'll see with solar thermal is

1279

00:54:39,719 --> 00:54:37,599

that for large-scale power generation

1280

00:54:42,539 --> 00:54:39,729

we're going to see massive acceleration

1281

00:54:44,549 --> 00:54:42,549

in the deployment of it and it will you

1282

00:54:46,739 --> 00:54:44,559

know in terms of cost is becoming a very

1283

00:54:49,130 --> 00:54:46,749

competitive against conventional fossil

1284

00:54:51,120 --> 00:54:49,140

fuels so I think so solar thermal

1285

00:54:53,940 --> 00:54:51,130

particularly in Australia

1286

00:54:55,620 --> 00:54:53,950

yeah if I were to come come back from

1287

00:54:57,210 --> 00:54:55,630

the dead in 200 years time I think we'll

1288

00:54:58,830 --> 00:54:57,220

see sulfur which I believe you're also

1289

00:55:01,260 --> 00:54:58,840

working on inside the building here

1290

00:55:04,050 --> 00:55:01,270

right yeah we can't talk about how it's

1291

00:55:06,090 --> 00:55:04,060

a subjective patents that one but yeah I

1292

00:55:07,680 --> 00:55:06,100

think if we come back in the future in

1293

00:55:10,470 --> 00:55:07,690

Australia that will see that solar

1294

00:55:13,500 --> 00:55:10,480

thermal is a major contributor to our

1295

00:55:15,210 --> 00:55:13,510

energy production and also it's safe you

1296

00:55:16,800 --> 00:55:15,220

could live next door to that I mean I

1297

00:55:18,360 --> 00:55:16,810

could imagine on an extreme scale the

1298

00:55:20,580 --> 00:55:18,370

only difficulty might be whatever those

1299

00:55:22,770 --> 00:55:20,590

medals you are using to to sequester

1300

00:55:24,390 --> 00:55:22,780

heat into the ground they they're not I

1301
00:55:25,530 --> 00:55:24,400
mean is there any even toxic problem of

1302
00:55:27,510 --> 00:55:25,540
that is there any problem there's no

1303
00:55:29,520 --> 00:55:27,520
noise comes from that no so there's well

1304
00:55:30,990 --> 00:55:29,530
there's noise but it's from the turbine

1305
00:55:33,420 --> 00:55:31,000
so we can put that an acoustic box and

1306
00:55:34,920 --> 00:55:33,430
make it silent say I said the only

1307
00:55:38,580 --> 00:55:34,930
things going into the system of air and

1308
00:55:41,070 --> 00:55:38,590
Sun so you do see a nice climbing spot

1309
00:55:43,710 --> 00:55:41,080
on the receiver when its operating but

1310
00:55:45,810 --> 00:55:43,720
for the most part it's silent yeah and

1311
00:55:47,520 --> 00:55:45,820
and there are no dangerous chemicals

1312
00:55:50,160 --> 00:55:47,530
used in it all even in the sequestering

1313
00:55:51,120 --> 00:55:50,170

I mean anything is it somebody look I'll

1314

00:55:52,440 --> 00:55:51,130

try and look for something that my

1315

00:55:54,000 --> 00:55:52,450

people are might complain about here

1316

00:55:55,530 --> 00:55:54,010

really I mean you could put some nice

1317

00:55:57,360 --> 00:55:55,540

graffiti on it you can make it you can

1318

00:55:58,980 --> 00:55:57,370

even make it look like the the Queen's

1319

00:56:00,030 --> 00:55:58,990

well viewing tower if you wanted to you

1320

00:56:01,980 --> 00:56:00,040

know you could make it look really nice

1321

00:56:03,990 --> 00:56:01,990

like that but I think we're going to

1322

00:56:07,470 --> 00:56:04,000

want to look like our local phallic

1323

00:56:09,540 --> 00:56:07,480

symbol down on the harbor day but look

1324

00:56:12,150 --> 00:56:09,550

really the only two inputs are sunlight

1325

00:56:14,730 --> 00:56:12,160

and air so yeah there's no chemicals

1326

00:56:17,010 --> 00:56:14,740

there's no fuels there's no out steel

1327

00:56:18,930 --> 00:56:17,020

and glass and the sort of things people

1328

00:56:20,100 --> 00:56:18,940

want in their own home so look we're

1329

00:56:21,540 --> 00:56:20,110

really excited and think it's going to

1330

00:56:23,550 --> 00:56:21,550

be a great technology for the future

1331

00:56:25,500 --> 00:56:23,560

it's fantastic and I just want to see

1332

00:56:27,540 --> 00:56:25,510

bigger and bigger ones of them that will

1333

00:56:29,340 --> 00:56:27,550

sate away we as we look to the future we

1334

00:56:32,490 --> 00:56:29,350

like liking to see these sorts of things

1335

00:56:33,960 --> 00:56:32,500

not only in Australia but I Australia to

1336

00:56:36,180 --> 00:56:33,970

actually punch above their weight and

1337

00:56:59,839 --> 00:56:36,190

help contribute to the rest of the

1338

00:57:05,549 --> 00:57:02,730

thank you for listening to the skeptic

1339

00:57:08,339 --> 00:57:05,559

zone my goodness me that caramel hot

1340

00:57:10,829 --> 00:57:08,349

chocolate really hit the spot tune in

1341

00:57:12,839 --> 00:57:10,839

again next week for part two of dr. ray

1342

00:57:16,620 --> 00:57:12,849

cheese interview with Benjamin Radford

1343

00:57:20,130 --> 00:57:16,630

and I interview some scientists from end

1344

00:57:23,250 --> 00:57:20,140

stow the reactor here in Sydney at Lucas

1345

00:57:27,150 --> 00:57:23,260

Heights and talk about their public

1346

00:57:29,579 --> 00:57:27,160

outreach program as always I think all

1347

00:57:32,309 --> 00:57:29,589

those listeners who kindly contribute

1348

00:57:35,280 --> 00:57:32,319

less than a dollar a week towards the

1349

00:57:37,620 --> 00:57:35,290

upkeep of the skeptic zone your money

1350

00:57:42,200 --> 00:57:37,630

really does go to good use with

1351
00:57:46,620 --> 00:57:42,210
microphones and audio equipment and

1352
00:57:50,370 --> 00:57:46,630
champagne and lobsters and what else car

1353
00:57:52,710 --> 00:57:50,380
hire expensive no your money really does

1354
00:57:56,700 --> 00:57:52,720
help us putting the show out week after

1355
00:57:59,250 --> 00:57:56,710
week so until next week in that part 2

1356
00:58:01,859 --> 00:57:59,260
of dr. H's interview this is Richard

1357
00:58:07,859 --> 00:58:01,869
Saunders signing off from Sydney

1358
00:58:12,569 --> 00:58:07,869
Australia you've been listening to the

1359
00:58:16,380 --> 00:58:12,579
skeptic zone visit her website at www