



**Show 60**  
**11.Dec.2009**

[www.skepticzone.tv](http://www.skepticzone.tv)

1  
00:00:05,749 --> 00:00:02,419  
you're listening to skep tide I'm Brian

2  
00:00:09,530 --> 00:00:05,759  
Dunning from sceptile calm the Naga

3  
00:00:12,110 --> 00:00:09,540  
fireballs during the full moon reaching

4  
00:00:15,799 --> 00:00:12,120  
you have to download and river what boy

5  
00:00:36,770 --> 00:00:15,809  
he has a podcast straordinario that's

6  
00:00:43,509 --> 00:00:39,470  
hello and welcome to the skeptic zone

7  
00:00:47,119 --> 00:00:43,519  
episode number 64 the 11th of December

8  
00:00:49,490 --> 00:00:47,129  
2009 with apologies to Brian Dunning and

9  
00:00:51,319 --> 00:00:49,500  
many thanks to Carrie I win for helping

10  
00:00:53,240 --> 00:00:51,329  
me out with that silly bit at the

11  
00:00:55,069 --> 00:00:53,250  
beginning of the show on this week's

12  
00:00:57,319 --> 00:00:55,079  
show we have an interview with a good

13  
00:00:58,880 --> 00:00:57,329

friend of Australian skeptics in fact he

14

00:01:03,200 --> 00:00:58,890

was skeptic of the year and about all

15

00:01:05,119 --> 00:01:03,210

2002 I think dr. Paul Willis now many

16

00:01:06,830 --> 00:01:05,129

people in Australia will know dr. Paul

17

00:01:09,230 --> 00:01:06,840

Willis he's one of the reporters on the

18

00:01:11,270 --> 00:01:09,240

catalyst television program the science

19

00:01:14,240 --> 00:01:11,280

program we'll be chatting to Paul very

20

00:01:17,240 --> 00:01:14,250

soon after that we have dr. Reggie

21

00:01:20,690 --> 00:01:17,250

reports and she'll be chatting to dr.

22

00:01:23,480 --> 00:01:20,700

Adam Hamlin from the Queensland Brain

23

00:01:25,330 --> 00:01:23,490

Institute all about brain cells and

24

00:01:29,149 --> 00:01:25,340

diseases and all that sort of thing and

25

00:01:33,350 --> 00:01:29,159

after that we have the think tank so sit

26

00:01:36,200 --> 00:01:33,360

back have a nice glass of cognac why not

27

00:01:50,730 --> 00:01:36,210

and enjoy this episode of the skeptic

28

00:01:55,390 --> 00:01:53,230

dr. Paul Willis certainly known to many

29

00:01:58,270 --> 00:01:55,400

Australian listeners is a reporter on

30

00:02:02,070 --> 00:01:58,280

the ABCs flagship science program

31

00:02:04,570 --> 00:02:02,080

catalyst Paul has a PhD in paleontology

32

00:02:06,460 --> 00:02:04,580

and while I could wrap it on about Paul

33

00:02:08,650 --> 00:02:06,470

for ages he's also skeptic of the year

34

00:02:09,969 --> 00:02:08,660

look if you google dr. Paul witless

35

00:02:11,860 --> 00:02:09,979

you'll find his page and there's

36

00:02:14,470 --> 00:02:11,870

actually a little video there telling

37

00:02:16,780 --> 00:02:14,480

you all about himself by himself if you

38

00:02:18,670 --> 00:02:16,790

see what I mean I caught up with Paul

39

00:02:21,760 --> 00:02:18,680

Willis at the offices of the ABC

40

00:02:24,699 --> 00:02:21,770

television center and i press the wrong

41

00:02:27,040 --> 00:02:24,709

button on my recording unit so apologies

42

00:02:28,840 --> 00:02:27,050

for the slight loss of quality during

43

00:02:36,630 --> 00:02:28,850

this interview but the interview is

44

00:02:39,160 --> 00:02:36,640

pretty interesting nevertheless and

45

00:02:41,229 --> 00:02:39,170

we've come to the ABC we're talking with

46

00:02:43,000 --> 00:02:41,239

dr. Paul Willis now dr. Paul you're

47

00:02:45,940 --> 00:02:43,010

currently working for catalyst the

48

00:02:47,560 --> 00:02:45,950

sideshow aren't you I am indeed most of

49

00:02:50,800 --> 00:02:47,570

my time is segment with catalyst but

50

00:02:52,600 --> 00:02:50,810

they around to various bits and pieces

51  
00:02:55,449 --> 00:02:52,610  
all throughout the ABC network or what

52  
00:02:57,310 --> 00:02:55,459  
we're one big extremely happy family I

53  
00:03:00,310 --> 00:02:57,320  
get that impression you certainly aren't

54  
00:03:02,770 --> 00:03:00,320  
and certainly catalyst is what the

55  
00:03:05,080 --> 00:03:02,780  
flagship sideshow of the ABCs we can

56  
00:03:07,180 --> 00:03:05,090  
happily say that we are the most

57  
00:03:09,729 --> 00:03:07,190  
outstanding science program in the

58  
00:03:12,850 --> 00:03:09,739  
country simply because there really

59  
00:03:15,190 --> 00:03:12,860  
isn't any competition we're one of the

60  
00:03:17,590 --> 00:03:15,200  
few science magazines in fact I think

61  
00:03:20,590 --> 00:03:17,600  
any other country has a science magazine

62  
00:03:22,509 --> 00:03:20,600  
program anymore that format the idea

63  
00:03:25,690 --> 00:03:22,519

that you take half an hour or an hour of

64

00:03:27,670 --> 00:03:25,700

television time devote it to science and

65

00:03:30,490 --> 00:03:27,680

break it down into three four five

66

00:03:32,680 --> 00:03:30,500

stories in that side it used to be quite

67

00:03:34,660 --> 00:03:32,690

involved if you go back 20 years or so

68

00:03:37,330 --> 00:03:34,670

was but then even programs like

69

00:03:40,060 --> 00:03:37,340

tomorrow's world in England what that

70

00:03:41,470 --> 00:03:40,070

was can five or six years ago so wear

71

00:03:44,199 --> 00:03:41,480

something of a dinosaur but we're

72

00:03:46,360 --> 00:03:44,209

actually showing through the audience

73

00:03:48,970 --> 00:03:46,370

following that we have that in fact

74

00:03:52,120 --> 00:03:48,980

there really is a market there is an NN

75

00:03:54,849 --> 00:03:52,130

need for science on television in that

76

00:03:56,030 --> 00:03:54,859

format oh I think so and now it's just

77

00:03:58,399 --> 00:03:56,040

occurred to me are

78

00:04:02,899 --> 00:03:58,409

number two or three years ago you

79

00:04:05,240 --> 00:04:02,909

actually repeated the BBC show which was

80

00:04:07,819 --> 00:04:05,250

James Randi testing homeopathy it wasn't

81

00:04:09,470 --> 00:04:07,829

that a huge ratings winner for that did

82

00:04:11,000 --> 00:04:09,480

very well in that slot now I'm you're

83

00:04:16,310 --> 00:04:11,010

actually going back if i'm not mistaken

84

00:04:19,279 --> 00:04:16,320

for the 2001 2002 that long ago that was

85

00:04:22,550 --> 00:04:19,289

back in the early days of catalyst we

86

00:04:24,740 --> 00:04:22,560

started in 2001 ah and that was I think

87

00:04:27,760 --> 00:04:24,750

one of our first plans yeah that's

88

00:04:30,620 --> 00:04:27,770

that's the memory the years go by and

89

00:04:32,210 --> 00:04:30,630

indignant and speaking of you is to have

90

00:04:34,879 --> 00:04:32,220

your own natural colored hair back in

91

00:04:39,350 --> 00:04:34,889

nice days really know you remember that

92

00:04:40,909 --> 00:04:39,360

yes I'm pleased um speaking about going

93

00:04:42,560 --> 00:04:40,919

back years and years and something i

94

00:04:45,320 --> 00:04:42,570

really really want to talk to you about

95

00:04:46,939 --> 00:04:45,330

this before the podcast before all that

96

00:04:48,320 --> 00:04:46,949

sort of stuff before the skeptics owns

97

00:04:50,480 --> 00:04:48,330

kept toward the skeptics guide of the

98

00:04:53,659 --> 00:04:50,490

universe you were putting together a

99

00:04:56,150 --> 00:04:53,669

series of short segments on skepticism

100

00:05:00,740 --> 00:04:56,160

meant for broadcast they were called the

101

00:05:02,270 --> 00:05:00,750

correct file yeah looked at genesis of

102

00:05:05,420 --> 00:05:02,280

the cracks files is actually an

103

00:05:08,330 --> 00:05:05,430

embarrassment to be honest what year we

104

00:05:11,300 --> 00:05:08,340

talk we're talking nineteen nineteen

105

00:05:14,450 --> 00:05:11,310

ninety-six late nineteen ninety-six wow

106

00:05:16,939 --> 00:05:14,460

I was catching a train into the ABC

107

00:05:19,250 --> 00:05:16,949

because I'd been invited in for an

108

00:05:23,180 --> 00:05:19,260

interview for a position as a science

109

00:05:24,830 --> 00:05:23,190

broadcast trainee and it only actually

110

00:05:26,779 --> 00:05:24,840

occurred to me on the train on the way

111

00:05:29,029 --> 00:05:26,789

and as part of the interview they might

112

00:05:31,460 --> 00:05:29,039

actually ask me well what would you like

113

00:05:34,689 --> 00:05:31,470

to do on on radio or television you know

114

00:05:37,219 --> 00:05:34,699

I do you have some ideas for content and

115

00:05:39,439 --> 00:05:37,229

at that time the x-files was

116

00:05:40,790 --> 00:05:39,449

particularly big on television yeah it's

117

00:05:43,820 --> 00:05:40,800

probably the biggest thing on television

118

00:05:46,339 --> 00:05:43,830

at the time and it really irked me

119

00:05:50,020 --> 00:05:46,349

because there's a list we were nonsense

120

00:05:53,180 --> 00:05:50,030

about psychics and UFOs and

121

00:05:55,310 --> 00:05:53,190

cryptozoology and all that crap i'm

122

00:05:58,219 --> 00:05:55,320

using crapping context they're so

123

00:06:00,950 --> 00:05:58,229

surprised and I difficult and and so I

124

00:06:02,870 --> 00:06:00,960

thought okay if they ask me I'll say

125

00:06:04,850 --> 00:06:02,880

I'll put together a program and I'll

126

00:06:08,480 --> 00:06:04,860

call it the correct files and it it's a

127

00:06:09,580 --> 00:06:08,490

skeptical look nonsense and irrational

128

00:06:11,440 --> 00:06:09,590

thinking and

129

00:06:13,420 --> 00:06:11,450

and so if you could stop correct the

130

00:06:15,700 --> 00:06:13,430

correct files was apply on the air the x

131

00:06:17,140 --> 00:06:15,710

mark and I literally thought it up on

132

00:06:20,740 --> 00:06:17,150

the train on the way in Real's of you

133

00:06:23,770 --> 00:06:20,750

for the job and a couple of weeks later

134

00:06:26,160 --> 00:06:23,780

in early 97 I got a phone call saying

135

00:06:28,300 --> 00:06:26,170

well you've been successful

136

00:06:30,880 --> 00:06:28,310

congratulations you are you on one of

137

00:06:34,930 --> 00:06:30,890

the trainees and ID barely been in the

138

00:06:36,910 --> 00:06:34,940

job a week when one of the guys prague

139

00:06:38,710 --> 00:06:36,920

the nasty who was a triple j at that

140

00:06:41,320 --> 00:06:38,720

time who was also on the selection panel

141

00:06:43,180 --> 00:06:41,330

he turned around I mean he said I really

142

00:06:45,930 --> 00:06:43,190

like that idea you had about the cracks

143

00:06:49,000 --> 00:06:45,940

files do you want to produce it for

144

00:06:51,100 --> 00:06:49,010

triple j mmm because you say no to

145

00:06:53,110 --> 00:06:51,110

anything at all you're in trouble you

146

00:06:54,850 --> 00:06:53,120

know you've got to show enthusiasm so

147

00:06:57,310 --> 00:06:54,860

yeah of course all right yeah sure no

148

00:06:59,020 --> 00:06:57,320

problems you know I had no radio skills

149

00:07:01,090 --> 00:06:59,030

so I had no production skills I knew

150

00:07:04,150 --> 00:07:01,100

nothing he said okay I want the first

151  
00:07:06,520 --> 00:07:04,160  
one next week so I had to hit the ground

152  
00:07:10,600 --> 00:07:06,530  
running I had to that the correct files

153  
00:07:13,570 --> 00:07:10,610  
became my training ground for radio

154  
00:07:15,640 --> 00:07:13,580  
production for editing we did I did the

155  
00:07:17,410 --> 00:07:15,650  
whole lot from come up with the ideas

156  
00:07:19,870 --> 00:07:17,420  
for what each episode was going to be

157  
00:07:21,670 --> 00:07:19,880  
through to find the talent going out

158  
00:07:25,180 --> 00:07:21,680  
interviewing them taking those tapes

159  
00:07:27,250 --> 00:07:25,190  
back editing them we were just getting

160  
00:07:29,950 --> 00:07:27,260  
into electronic editing in things like

161  
00:07:32,310 --> 00:07:29,960  
pro tools and those days and producing

162  
00:07:34,840 --> 00:07:32,320  
them putting those packages together and

163  
00:07:37,660 --> 00:07:34,850

so it was about two years that I was

164

00:07:39,070 --> 00:07:37,670

doing the correct files yeah and and

165

00:07:41,470 --> 00:07:39,080

yeah just came about as the

166

00:07:42,850 --> 00:07:41,480

embarrassment of wanting to look like I

167

00:07:45,900 --> 00:07:42,860

knew what I was talking about the job

168

00:07:48,430 --> 00:07:45,910

interview but you chose the skeptical

169

00:07:50,230 --> 00:07:48,440

outlook on these matters and I'm Jeff

170

00:07:51,820 --> 00:07:50,240

we're just casting I now over to the

171

00:07:54,100 --> 00:07:51,830

monitor here we've got the website up

172

00:07:56,860 --> 00:07:54,110

now this is the exciting thing all those

173

00:08:02,580 --> 00:07:56,870

episodes are archived and anybody can go

174

00:08:07,930 --> 00:08:02,590

along and the website is WWE be co nhau

175

00:08:11,140 --> 00:08:07,940

/ science / corrects which is spelt cor

176

00:08:14,260 --> 00:08:11,150

re X and there they all are yeah well

177

00:08:17,830 --> 00:08:14,270

another part of the traineeship it was a

178

00:08:20,860 --> 00:08:17,840

science broadcaster online radio and

179

00:08:23,230 --> 00:08:20,870

television hmm so not only were these

180

00:08:25,629 --> 00:08:23,240

things produced for radio originally

181

00:08:28,749 --> 00:08:25,639

but then I had to adapt them for online

182

00:08:31,300 --> 00:08:28,759

as part of the traineeship and so what

183

00:08:34,839 --> 00:08:31,310

you're looking at there on that website

184

00:08:37,779 --> 00:08:34,849

is stuff i put together 11 years ago 12

185

00:08:40,420 --> 00:08:37,789

years ago then some patience as part of

186

00:08:42,399 --> 00:08:40,430

my traineeship at the ABC and you scored

187

00:08:43,810 --> 00:08:42,409

and we can see almost right at the top

188

00:08:45,579 --> 00:08:43,820

of the page of course a series of

189

00:08:50,769 --> 00:08:45,589

interviews at that time with James Randi

190

00:08:54,910 --> 00:08:50,779

yeah at the end of 297 at the end of the

191

00:08:57,070 --> 00:08:54,920

first year I was slated to go to the

192

00:08:59,170 --> 00:08:57,080

triple-a s conference in Philadelphia

193

00:09:04,720 --> 00:08:59,180

the American Association for the

194

00:09:10,389 --> 00:09:04,730

Advancement of science in january or

195

00:09:12,340 --> 00:09:10,399

februari in 1998 and i was asked if

196

00:09:14,530 --> 00:09:12,350

there was anything else I'd like to do

197

00:09:19,090 --> 00:09:14,540

after i was there in the United States

198

00:09:21,220 --> 00:09:19,100

and I said well amongst other Prydie as

199

00:09:24,190 --> 00:09:21,230

I put forward I said why don't I go down

200

00:09:26,980 --> 00:09:24,200

to Fort Lauderdale and have a chat with

201  
00:09:29,170 --> 00:09:26,990  
james randi I see you went to him we

202  
00:09:31,120 --> 00:09:29,180  
went to Fergus jf yes I actually

203  
00:09:33,730 --> 00:09:31,130  
actually went to Fort Lauderdale right

204  
00:09:36,069 --> 00:09:33,740  
to interview james randi on a variety of

205  
00:09:39,579 --> 00:09:36,079  
subjects and they became a sort of

206  
00:09:42,250 --> 00:09:39,589  
special part of the cracks file site

207  
00:09:45,040 --> 00:09:42,260  
dead our the five interviews with James

208  
00:09:48,100 --> 00:09:45,050  
ran directly no now there we go yeah but

209  
00:09:50,740 --> 00:09:48,110  
we did and it was great meeting James so

210  
00:09:52,510 --> 00:09:50,750  
you know he's inspirational and he is

211  
00:09:56,410 --> 00:09:52,520  
just but I mean something else that we

212  
00:09:59,440 --> 00:09:56,420  
did on the crackphone was we ran for

213  
00:10:02,050 --> 00:09:59,450

tooth out of it for 1998 geez that's

214

00:10:06,519 --> 00:10:02,060

last millennium we actually ran an

215

00:10:07,960 --> 00:10:06,529

audience prediction segment we're at the

216

00:10:10,840 --> 00:10:07,970

beginning of the year we asked the

217

00:10:12,970 --> 00:10:10,850

audience to make predictions for the

218

00:10:15,370 --> 00:10:12,980

year and then at the end of the year we

219

00:10:17,860 --> 00:10:15,380

scored iment and that's all up on the

220

00:10:19,840 --> 00:10:17,870

the site as well and it was quite

221

00:10:21,310 --> 00:10:19,850

incredible the sorts of things some

222

00:10:24,310 --> 00:10:21,320

people actually entered it in a very

223

00:10:26,230 --> 00:10:24,320

serious time the other people took it in

224

00:10:28,870 --> 00:10:26,240

the town that it was meant to have look

225

00:10:30,940 --> 00:10:28,880

just blab and the thing is is that when

226

00:10:33,100 --> 00:10:30,950

you go through your fund that if there

227

00:10:35,829 --> 00:10:33,110

were any hits at all it was purely

228

00:10:36,889 --> 00:10:35,839

coincident by the people who are dead

229

00:10:40,400 --> 00:10:36,899

there for a dog

230

00:10:42,679 --> 00:10:40,410

yeah but that actually followed on

231

00:10:45,470 --> 00:10:42,689

because part of the the launch of the

232

00:10:47,359 --> 00:10:45,480

cracks files originally was we did a

233

00:10:50,780 --> 00:10:47,369

psychic test and this was actually where

234

00:10:54,499 --> 00:10:50,790

I first came to the skeptics for

235

00:10:56,929 --> 00:10:54,509

assistance the Australians kept yes we

236

00:10:59,749 --> 00:10:56,939

organized the test that we could promote

237

00:11:03,379 --> 00:10:59,759

as part of the correct files initial

238

00:11:06,350 --> 00:11:03,389

round of shows and that was a psychic

239

00:11:09,199 --> 00:11:06,360

test I took for common objects and i

240

00:11:12,470 --> 00:11:09,209

sealed them up in boxes and I went round

241

00:11:14,329 --> 00:11:12,480

to cover psychics and said is this a

242

00:11:16,759 --> 00:11:14,339

doable test can you tell me what's in

243

00:11:18,530 --> 00:11:16,769

these boxes and they said yes is it

244

00:11:21,499 --> 00:11:18,540

possible for people listening to our

245

00:11:23,480 --> 00:11:21,509

program to predict what's in these boxes

246

00:11:25,100 --> 00:11:23,490

they said they shouldn't be private you

247

00:11:27,829 --> 00:11:25,110

can do it a number of ways that was the

248

00:11:30,079 --> 00:11:27,839

one that blew me away yeah we could

249

00:11:31,759 --> 00:11:30,089

actually do it by clairvoyance and go

250

00:11:33,829 --> 00:11:31,769

back in times when you're putting it in

251  
00:11:35,960 --> 00:11:33,839  
a box or we could just simply see

252  
00:11:39,350 --> 00:11:35,970  
through the boxes it's like great I'm

253  
00:11:40,879 --> 00:11:39,360  
gonna get creamed here and and and the

254  
00:11:42,530 --> 00:11:40,889  
results of that test to rule out there

255  
00:11:44,480 --> 00:11:42,540  
and of course none of them came within a

256  
00:11:45,860 --> 00:11:44,490  
bull roar of guessing what these objects

257  
00:11:48,259 --> 00:11:45,870  
were it's interesting you should put

258  
00:11:50,139 --> 00:11:48,269  
those methods to me because I

259  
00:11:53,150 --> 00:11:50,149  
remembering listening to you live on

260  
00:11:56,119 --> 00:11:53,160  
probably triple j now ten years ago

261  
00:11:59,179 --> 00:11:56,129  
where you were talking with a psychic in

262  
00:12:02,389 --> 00:11:59,189  
the studio and you'd brought in from

263  
00:12:04,939 --> 00:12:02,399

memory that was James term bubble is it

264

00:12:07,220 --> 00:12:04,949

James said Simon Simon tone but you know

265

00:12:10,759 --> 00:12:07,230

in in a sealed envelope a lottery ticket

266

00:12:13,780 --> 00:12:10,769

wasn't it yeah yes yes I i bought in a

267

00:12:17,840 --> 00:12:13,790

common object and before we went on air

268

00:12:19,939 --> 00:12:17,850

as you may know i think this depends on

269

00:12:24,289 --> 00:12:19,949

people's personal values when it comes

270

00:12:28,549 --> 00:12:24,299

to confronting but i don't like

271

00:12:32,749 --> 00:12:28,559

to to spring things on people too

272

00:12:35,210 --> 00:12:32,759

unprepared and so and i actually think

273

00:12:37,460 --> 00:12:35,220

it makes the case stronger if you get

274

00:12:40,249 --> 00:12:37,470

permission from the other party to be

275

00:12:42,199 --> 00:12:40,259

involved our front right and so I said

276  
00:12:44,629 --> 00:12:42,209  
to Simon before when I said look Simon

277  
00:12:46,400 --> 00:12:44,639  
I've got a very simple test that I want

278  
00:12:49,400 --> 00:12:46,410  
to do on air with you are you interested

279  
00:12:51,019 --> 00:12:49,410  
he said no problem it'll be dead easy

280  
00:12:52,340 --> 00:12:51,029  
and I said okay all I've put something

281  
00:12:54,710 --> 00:12:52,350  
in this envelope you tell me what it is

282  
00:12:55,879 --> 00:12:54,720  
and we went through it and he felt the

283  
00:12:57,170 --> 00:12:55,889  
envelope all the way through the

284  
00:13:01,819 --> 00:12:57,180  
interview and at the end of it he said

285  
00:13:03,499 --> 00:13:01,829  
it's something to do with space and we

286  
00:13:05,509 --> 00:13:03,509  
opened it and it was a lottery ticket

287  
00:13:09,949 --> 00:13:05,519  
yeah but it was one of the scratch

288  
00:13:11,689 --> 00:13:09,959

lottery tickets and it were I can't

289

00:13:14,240 --> 00:13:11,699

remember what the theme was but parlor

290

00:13:17,300 --> 00:13:14,250

coloring was a sort of metallicity

291

00:13:20,420 --> 00:13:17,310

culinary silvery Halle on the thing he

292

00:13:23,210 --> 00:13:20,430

said there you go that's it see is

293

00:13:27,949 --> 00:13:23,220

metallic that means spice and it was

294

00:13:29,569 --> 00:13:27,959

like I how much more rope do you have to

295

00:13:32,030 --> 00:13:29,579

give these bastards before they hang

296

00:13:34,369 --> 00:13:32,040

themselves really through the cracks

297

00:13:36,410 --> 00:13:34,379

files I must have found every major

298

00:13:37,939 --> 00:13:36,420

psychic in the country you know we've

299

00:13:41,360 --> 00:13:37,949

found that people who claim to be

300

00:13:43,970 --> 00:13:41,370

psychics to Diana a lady died and all

301

00:13:46,879 --> 00:13:43,980

those sort of stuff not one of them

302

00:13:49,579 --> 00:13:46,889

answered the phone directly they all had

303

00:13:51,980 --> 00:13:49,589

answering machines how much faith can

304

00:13:54,290 --> 00:13:51,990

any human being put on the psychic their

305

00:13:55,610 --> 00:13:54,300

needs an answering machine I mean they

306

00:13:57,980 --> 00:13:55,620

should be able to work with the bloody

307

00:13:59,540 --> 00:13:57,990

phones with the ringer turned off yes an

308

00:14:01,519 --> 00:13:59,550

answer at the site Paul I know what your

309

00:14:03,050 --> 00:14:01,529

question is you know they don't actually

310

00:14:05,809 --> 00:14:03,060

have some faith in it but seriously

311

00:14:07,759 --> 00:14:05,819

you're right and but the come back they

312

00:14:10,370 --> 00:14:07,769

always come and say is part doesn't work

313

00:14:12,829 --> 00:14:10,380

that way how does it bloody work you're

314

00:14:15,110 --> 00:14:12,839

the psychic and and of course the

315

00:14:17,660 --> 00:14:15,120

mirrors yesterday when this is the this

316

00:14:19,579 --> 00:14:17,670

is the frustration not only dealing with

317

00:14:24,939 --> 00:14:19,589

them but like I've done a lot of work

318

00:14:27,800 --> 00:14:24,949

against the creation you have and my

319

00:14:30,710 --> 00:14:27,810

predecessor my PhD supervisor mark

320

00:14:33,679 --> 00:14:30,720

Archer he gave me the phrase that it's

321

00:14:36,230 --> 00:14:33,689

like nailing chili to a wall and that's

322

00:14:39,439 --> 00:14:36,240

the same with the psychics doesn't

323

00:14:41,929 --> 00:14:39,449

matter how much you try and say look

324

00:14:44,929 --> 00:14:41,939

let's analyze what it is you claim that

325

00:14:47,540 --> 00:14:44,939

you can do let's take a serious look at

326

00:14:49,460 --> 00:14:47,550

what you've got they will always try and

327

00:14:52,970 --> 00:14:49,470

find wriggle room to get out of course

328

00:14:56,720 --> 00:14:52,980

that I will never admit oh I must be

329

00:14:58,220 --> 00:14:56,730

from yeah yeah and and Dawkins makes

330

00:14:59,569 --> 00:14:58,230

this point about science and to be

331

00:15:01,000 --> 00:14:59,579

honest I think he makes it in a bit of a

332

00:15:04,060 --> 00:15:01,010

we'll see way

333

00:15:07,240 --> 00:15:04,070

that the strength of science is that we

334

00:15:08,770 --> 00:15:07,250

can theoretically at least admit when

335

00:15:11,410 --> 00:15:08,780

we're wrong yeah I've seen plenty of

336

00:15:13,360 --> 00:15:11,420

Silas who don't do yeah but that is

337

00:15:15,400 --> 00:15:13,370

actually a theoretical strength of

338

00:15:18,010 --> 00:15:15,410

science that when we are shown to be

339

00:15:20,260 --> 00:15:18,020

wrong we we will admit that we're and

340

00:15:23,290 --> 00:15:20,270

comes out in the wash eventually and it

341

00:15:25,270 --> 00:15:23,300

came as a great shock to me how that

342

00:15:27,640 --> 00:15:25,280

doesn't apply in most other areas of

343

00:15:30,010 --> 00:15:27,650

reality it certainly doesn't apply in

344

00:15:32,890 --> 00:15:30,020

politics yeah and people you know

345

00:15:35,440 --> 00:15:32,900

involved as psychics or creationists or

346

00:15:37,990 --> 00:15:35,450

the anti-vaccination network and

347

00:15:39,840 --> 00:15:38,000

homeopathy and let's go through that

348

00:15:43,180 --> 00:15:39,850

whole list of people that we deal with

349

00:15:45,880 --> 00:15:43,190

that concept of them being wrong is

350

00:15:48,600 --> 00:15:45,890

never anywhere in their minds I actually

351

00:15:52,170 --> 00:15:48,610

find that quite frightening yeah yeah

352

00:15:54,940 --> 00:15:52,180

you're absolutely right and the

353

00:15:56,800 --> 00:15:54,950

reasoning and the mental gymnastics i

354

00:15:58,930 --> 00:15:56,810

will put themselves through upon the

355

00:16:01,090 --> 00:15:58,940

failure of a test it's it's the most

356

00:16:03,370 --> 00:16:01,100

classic example is the excuses the water

357

00:16:06,160 --> 00:16:03,380

dividers and they fail and those excuses

358

00:16:08,470 --> 00:16:06,170

a rich beyond measure and small Sagan

359

00:16:12,220 --> 00:16:08,480

might say full beyond measure and

360

00:16:16,060 --> 00:16:12,230

inventive but it's all the brain trying

361

00:16:18,360 --> 00:16:16,070

to protect itself mm-hmm you see what I

362

00:16:20,590 --> 00:16:18,370

mean that's fascinating well I and

363

00:16:23,140 --> 00:16:20,600

learning back to what I did say earlier

364

00:16:26,350 --> 00:16:23,150

you know science isn't immune from that

365

00:16:29,410 --> 00:16:26,360

kind of thinking and a human what is

366

00:16:31,420 --> 00:16:29,420

it's done by humans and to me one of the

367

00:16:33,220 --> 00:16:31,430

weaknesses of science is the fact that

368

00:16:36,130 --> 00:16:33,230

it won't admit that it's done by humans

369

00:16:38,620 --> 00:16:36,140

and so you get a lot of debates

370

00:16:40,720 --> 00:16:38,630

lingering on when they shouldn't because

371

00:16:44,860 --> 00:16:40,730

one side simply can't turn around and

372

00:16:47,890 --> 00:16:44,870

say okay look I know I've devoted my

373

00:16:50,050 --> 00:16:47,900

career to a particular proposition and

374

00:16:53,920 --> 00:16:50,060

my working life has been spent working

375

00:16:57,820 --> 00:16:53,930

in that field but I can't say that it's

376

00:17:00,430 --> 00:16:57,830

all wrong because it's my life you know

377

00:17:03,010 --> 00:17:00,440

yeah and there's a number of debates I

378

00:17:05,500 --> 00:17:03,020

think for instance the out of africa vs

379

00:17:08,500 --> 00:17:05,510

the map and regional hypothesis for

380

00:17:11,699 --> 00:17:08,510

human origins is a classic case there

381

00:17:14,380 --> 00:17:11,709

are a number of diehards in the in the

382

00:17:16,870 --> 00:17:14,390

multi-regional hypothesis

383

00:17:18,490 --> 00:17:16,880

they won't lie down and say die it

384

00:17:22,090 --> 00:17:18,500

doesn't matter what you present to them

385

00:17:25,150 --> 00:17:22,100

and it's it's it's AMV scientific it's

386

00:17:27,430 --> 00:17:25,160

non-scientific yeah but it's perfectly

387

00:17:30,070 --> 00:17:27,440

human yeah and I and I think that this

388

00:17:32,740 --> 00:17:30,080

is a dimension that's all too often lost

389

00:17:35,920 --> 00:17:32,750

in philosophers of science is they just

390

00:17:40,720 --> 00:17:35,930

keep thinking that no we could do better

391

00:17:42,430 --> 00:17:40,730

we can't we're only human well Paul what

392

00:17:44,080 --> 00:17:42,440

a pleasure it's been to catch up with

393

00:17:47,140 --> 00:17:44,090

you again we must do it more often have

394

00:17:49,570 --> 00:17:47,150

another cleansing ale and another chat

395

00:17:52,960 --> 00:17:49,580

but I just like just one why just one

396

00:17:55,840 --> 00:17:52,970

just before we wind it up I'm really

397

00:17:57,970 --> 00:17:55,850

keen that the listeners go and check out

398

00:18:00,370 --> 00:17:57,980

the correct files because let's see how

399

00:18:03,910 --> 00:18:00,380

many of them are there there was 1997

400

00:18:05,410 --> 00:18:03,920

and 1998 another 20 or produced each

401  
00:18:07,540 --> 00:18:05,420  
year when you know and all sorts of

402  
00:18:10,510 --> 00:18:07,550  
things talking to a psychic faces in

403  
00:18:13,590 --> 00:18:10,520  
space ancient technology good drugs

404  
00:18:15,970 --> 00:18:13,600  
future either Bible Code superstitions

405  
00:18:19,240 --> 00:18:15,980  
alternative medicines in there somewhere

406  
00:18:21,760 --> 00:18:19,250  
dreams energy amazing devices James

407  
00:18:23,560 --> 00:18:21,770  
Randi it's the show goes throughout 10

408  
00:18:25,540 --> 00:18:23,570  
minutes of Papa's know about five about

409  
00:18:28,150 --> 00:18:25,550  
five minutes and lovely bite-size chunks

410  
00:18:30,520 --> 00:18:28,160  
of skeptical investigations information

411  
00:18:32,440 --> 00:18:30,530  
you interview all sorts of people I well

412  
00:18:35,140 --> 00:18:32,450  
remember the one you did when you were

413  
00:18:37,870 --> 00:18:35,150

interviewing an Egyptologist about her

414

00:18:40,660 --> 00:18:37,880

opinion whether the pyramids were

415

00:18:45,190 --> 00:18:40,670

constructed by alien so folks the

416

00:18:51,040 --> 00:18:45,200

correct files once again wwa BCE tu /

417

00:18:52,840 --> 00:18:51,050

science / correct cor are X and fall I

418

00:18:56,920 --> 00:18:52,850

certainly hope that you may be able to

419

00:18:58,990 --> 00:18:56,930

join us for the 2010 skeptics convention

420

00:19:00,670 --> 00:18:59,000

that sounds like a lot of fun if I get

421

00:19:10,930 --> 00:19:00,680

half a chance i'll be there excellent

422

00:19:15,290 --> 00:19:13,310

yeah aight guys i was talking to Richard

423

00:19:17,299 --> 00:19:15,300

solvency today all right he said if we

424

00:19:19,400 --> 00:19:17,309

record a trailer for our podcast

425

00:19:21,049 --> 00:19:19,410

skeptics with a que he'd play it on

426

00:19:22,400 --> 00:19:21,059

their own vessel that's nice of him

427

00:19:23,630 --> 00:19:22,410

that's very generous it's pretty good

428

00:19:25,580 --> 00:19:23,640

i'm not sure what we could do though I

429

00:19:27,740 --> 00:19:25,590

mean well suppose you tell people the

430

00:19:29,960 --> 00:19:27,750

shows about but it's basically this yeah

431

00:19:31,760 --> 00:19:29,970

like yeah but you know we talk about

432

00:19:33,200 --> 00:19:31,770

science and skepticism and things that's

433

00:19:34,490 --> 00:19:33,210

that's true that's fuzzier you mentioned

434

00:19:36,860 --> 00:19:34,500

the website address what merseyside

435

00:19:38,540 --> 00:19:36,870

skeptics todo UK yeah yeah just like

436

00:19:40,190 --> 00:19:38,550

searches night UN's oh and then we could

437

00:19:44,030 --> 00:19:40,200

end with like a big song like the

438

00:19:50,240 --> 00:19:44,040

skeptics with okay god no no no no don't

439

00:19:55,630 --> 00:19:50,250

don't do that now it's time for dr.

440

00:20:00,560 --> 00:19:58,070

hello listeners and welcome to dr.

441

00:20:02,390 --> 00:20:00,570

Richie reports this week I talked to

442

00:20:05,990 --> 00:20:02,400

another scientist working in the field

443

00:20:08,090 --> 00:20:06,000

in medical research dr. Adam Hamlin is a

444

00:20:09,860 --> 00:20:08,100

neuroscientist working in the nerve cell

445

00:20:12,620 --> 00:20:09,870

survival lab at the University of

446

00:20:15,560 --> 00:20:12,630

Queensland I met Adam at the recent

447

00:20:17,390 --> 00:20:15,570

skeptics convention in Brisbane and here

448

00:20:19,850 --> 00:20:17,400

Adam kindly takes me on a tour of his

449

00:20:22,370 --> 00:20:19,860

lab where he explains about his research

450

00:20:24,590 --> 00:20:22,380

into neurodegeneration and Alzheimer's

451  
00:20:26,360 --> 00:20:24,600  
disease so we're now walking into the

452  
00:20:30,020 --> 00:20:26,370  
foyer of the Queensland brain is to do

453  
00:20:32,660 --> 00:20:30,030  
um it's very immersive it's so I always

454  
00:20:35,930 --> 00:20:32,670  
got this for storing higher up with you

455  
00:20:37,880 --> 00:20:35,940  
by Fiona hall okay so famous Australian

456  
00:20:41,780 --> 00:20:37,890  
artist all right well let's go through

457  
00:20:43,650 --> 00:20:41,790  
the security hot off Hannah SWAT too

458  
00:20:46,710 --> 00:20:43,660  
soon

459  
00:20:51,510 --> 00:20:46,720  
so very high-tech here isn't it it is a

460  
00:20:54,450 --> 00:20:51,520  
good and so we're at the queensland

461  
00:20:57,150 --> 00:20:54,460  
university because it's the annual

462  
00:20:59,370 --> 00:20:57,160  
australian skeptics convention this

463  
00:21:00,900 --> 00:20:59,380

weekend to you and so the conference is

464

00:21:03,060 --> 00:21:00,910

being held around the corner popular to

465

00:21:05,130 --> 00:21:03,070

life so this is the level are my

466

00:21:09,180 --> 00:21:05,140

soluta see so we're at level 6 away

467

00:21:11,760 --> 00:21:09,190

that's quick um so we have we work on

468

00:21:14,280 --> 00:21:11,770

the brain of everything from worms right

469

00:21:17,100 --> 00:21:14,290

through the humans here if it flies and

470

00:21:19,110 --> 00:21:17,110

bees and you're looking at outsiders is

471

00:21:20,760 --> 00:21:19,120

that your primary area of research so

472

00:21:22,980 --> 00:21:20,770

our lab is looking at neurodegeneration

473

00:21:28,950 --> 00:21:22,990

and Alzheimer's is a form of dementia

474

00:21:31,320 --> 00:21:28,960

isn't it yes one common and it is going

475

00:21:33,210 --> 00:21:31,330

to be a serious problem in the future

476

00:21:37,110 --> 00:21:33,220

you really don't want to be 20 or 30

477

00:21:40,650 --> 00:21:37,120

years old today because by about twenty

478

00:21:43,230 --> 00:21:40,660

fifty when that generation is getting

479

00:21:48,690 --> 00:21:43,240

older and stuffs get neurodegenerative

480

00:21:51,030 --> 00:21:48,700

diseases and the population is aging but

481

00:21:53,550 --> 00:21:51,040

also we're not having children anymore

482

00:21:55,710 --> 00:21:53,560

so we've had low birth rates with an

483

00:21:58,140 --> 00:21:55,720

aging population we're going to get

484

00:22:00,750 --> 00:21:58,150

neurodegenerative diseases so unless we

485

00:22:02,100 --> 00:22:00,760

really find something to help people

486

00:22:04,290 --> 00:22:02,110

ignore degeneration we're going to be in

487

00:22:07,230 --> 00:22:04,300

serious trouble so we've come into your

488

00:22:09,450 --> 00:22:07,240

research analysis are just the areas

489

00:22:13,440 --> 00:22:09,460

where this was the bench science goes up

490

00:22:16,290 --> 00:22:13,450

a lot of people I think of science lab

491

00:22:17,670 --> 00:22:16,300

has been very clean and pristine but so

492

00:22:20,040 --> 00:22:17,680

you'll see they're busy places in this

493

00:22:22,110 --> 00:22:20,050

we've got a lot of benches around us

494

00:22:25,350 --> 00:22:22,120

with lots of chemicals or short models

495

00:22:28,020 --> 00:22:25,360

and localism books is this your bench

496

00:22:29,730 --> 00:22:28,030

here yeah this is my Benji I'll work on

497

00:22:30,870 --> 00:22:29,740

a mouse model of our summers disease

498

00:22:33,930 --> 00:22:30,880

when we're trying to understand the

499

00:22:36,390 --> 00:22:33,940

mechanisms of the degeneration and we

500

00:22:37,740 --> 00:22:36,400

have a theory that the amyloid which is

501

00:22:39,660 --> 00:22:37,750

a component of

502

00:22:42,300 --> 00:22:39,670

oscommerce disease and which is the

503

00:22:44,490 --> 00:22:42,310

marker of people have our summers

504

00:22:46,710 --> 00:22:44,500

disease on autopsy they have also has an

505

00:22:49,250 --> 00:22:46,720

amyloid plaque in the file it's kind of

506

00:22:51,750 --> 00:22:49,260

like a tangle of protein yeah it's a

507

00:22:53,730 --> 00:22:51,760

mention that so we're actually looking

508

00:22:56,280 --> 00:22:53,740

at the stage of the amyloid before it

509

00:22:59,040 --> 00:22:56,290

turns into this large kilometer of

510

00:23:01,800 --> 00:22:59,050

protein in a soluble form and we have a

511

00:23:05,250 --> 00:23:01,810

theory that this is interacting with the

512

00:23:06,930 --> 00:23:05,260

particular receptor in a particular part

513

00:23:09,660 --> 00:23:06,940

of the broiler that's actually causing

514

00:23:13,470 --> 00:23:09,670

the degeneration and I use mice as my

515

00:23:15,900 --> 00:23:13,480

model and I inject amyloid proteins into

516

00:23:18,300 --> 00:23:15,910

the brain and I measure degeneration by

517

00:23:21,000 --> 00:23:18,310

visualizing parts of the brain using

518

00:23:24,240 --> 00:23:21,010

process called immunohistochemistry okay

519

00:23:28,410 --> 00:23:24,250

where we use an antibody that recognizes

520

00:23:32,370 --> 00:23:28,420

the circle shape of a protein and I soak

521

00:23:34,740 --> 00:23:32,380

the brains in this antibody and then I

522

00:23:36,000 --> 00:23:34,750

can visualize it so I can look at it

523

00:23:38,370 --> 00:23:36,010

under the microscope and actually

524

00:23:39,690 --> 00:23:38,380

physically see what's happening in cycle

525

00:23:41,610 --> 00:23:39,700

so you actually have to harvest the

526

00:23:45,990 --> 00:23:41,620

brain first and then you slice it very

527

00:23:48,660 --> 00:23:46,000

finely yes so yes I have to harvest the

528

00:23:52,200 --> 00:23:48,670

brains from the mice then I slice them

529

00:23:55,530 --> 00:23:52,210

up I slice them up into 40 micron slices

530

00:23:57,300 --> 00:23:55,540

which is 125th of a millimeter we use a

531

00:23:59,460 --> 00:23:57,310

really really really sharp life to do

532

00:24:01,110 --> 00:23:59,470

that it's a knife contained within its

533

00:24:03,930 --> 00:24:01,120

machine motion animated not actually

534

00:24:05,280 --> 00:24:03,940

just know I'm just a kitchen knife it's

535

00:24:06,480 --> 00:24:05,290

a very nice machine we can see some of

536

00:24:08,220 --> 00:24:06,490

the machines on the way out there on

537

00:24:10,260 --> 00:24:08,230

level 4 we have a histology sweep that

538

00:24:12,930 --> 00:24:10,270

has all the different knives where we

539

00:24:15,360 --> 00:24:12,940

can cut anything from nanometer sections

540

00:24:17,970 --> 00:24:15,370

to use an electron microscopy our right

541

00:24:20,430 --> 00:24:17,980

three to the large well relatively large

542

00:24:22,770 --> 00:24:20,440

sections that I do a 40 microns so how

543

00:24:24,210 --> 00:24:22,780

big can you describe to Alice's what a

544

00:24:25,680 --> 00:24:24,220

mouse brain being when you take you out

545

00:24:27,360 --> 00:24:25,690

of this how much brain is about it's

546

00:24:29,250 --> 00:24:27,370

about a centimeter long so it's the kind

547

00:24:32,130 --> 00:24:29,260

of as big as your thumb now maybe yeah

548

00:24:34,110 --> 00:24:32,140

about that size it's very small but my

549

00:24:37,080 --> 00:24:34,120

section we have all the same brain areas

550

00:24:39,090 --> 00:24:37,090

that a human has it has all the same you

551  
00:24:42,180 --> 00:24:39,100  
are transmitters all the same proteins

552  
00:24:45,120 --> 00:24:42,190  
so we can use mice to model the

553  
00:24:46,320 --> 00:24:45,130  
mechanisms of how amyloid is killing

554  
00:24:48,600 --> 00:24:46,330  
brain cells

555  
00:24:50,519 --> 00:24:48,610  
should relate to humans but one of the

556  
00:24:54,060 --> 00:24:50,529  
problems without summers in humans is

557  
00:24:55,639 --> 00:24:54,070  
that you can't really diagnose it as its

558  
00:24:57,690 --> 00:24:55,649  
occurring can you it's really only

559  
00:25:00,090 --> 00:24:57,700  
post-mortem or when people die that you

560  
00:25:01,529 --> 00:25:00,100  
can really see yes we have two main

561  
00:25:03,360 --> 00:25:01,539  
streams to our research one is

562  
00:25:05,610 --> 00:25:03,370  
understanding the mechanisms and the

563  
00:25:09,210 --> 00:25:05,620

other is how can we diagnose it

564

00:25:11,130 --> 00:25:09,220

correctly and before the degeneration

565

00:25:13,529 --> 00:25:11,140

setting because once the brain has

566

00:25:15,779 --> 00:25:13,539

degenerated and died there's nothing we

567

00:25:17,810 --> 00:25:15,789

can do about it really so we have

568

00:25:21,720 --> 00:25:17,820

another project which is Lamar I project

569

00:25:24,029 --> 00:25:21,730

magnetic resonance imaging so it looks

570

00:25:25,460 --> 00:25:24,039

at our movement of water molecules in

571

00:25:29,450 --> 00:25:25,470

the brain and allows us to visualize

572

00:25:32,279 --> 00:25:29,460

brains in vivo so you know in a living

573

00:25:34,830 --> 00:25:32,289

person or animal by the time someone

574

00:25:36,629 --> 00:25:34,840

goes to a neuropsychologist with

575

00:25:38,549 --> 00:25:36,639

dementia problems it's too late by that

576

00:25:41,310 --> 00:25:38,559

stage the disease is probably be going

577

00:25:44,250 --> 00:25:41,320

for 20 years 20 years by the time you

578

00:25:45,480 --> 00:25:44,260

get severe enough cognitive deficits to

579

00:25:47,070 --> 00:25:45,490

actually go and seek help from the

580

00:25:49,320 --> 00:25:47,080

neuropsychology so we're just walking

581

00:25:51,950 --> 00:25:49,330

through the rest of our lab now so all

582

00:25:54,919 --> 00:25:51,960

these people in this area working on

583

00:25:57,419 --> 00:25:54,929

Alzheimer's yeah just in this area um

584

00:25:59,100 --> 00:25:57,429

over next to us is the Wallace group

585

00:26:01,560 --> 00:25:59,110

they work on epilepsy and motor neuron

586

00:26:03,690 --> 00:26:01,570

disease so geneticists people might be

587

00:26:05,190 --> 00:26:03,700

familiar with Stephen Hawking it was

588

00:26:07,789 --> 00:26:05,200

probably most famous person they've made

589

00:26:10,019 --> 00:26:07,799

a neuron disease yes he's a very special

590

00:26:12,180 --> 00:26:10,029

case because it's usually fatal within

591

00:26:13,980 --> 00:26:12,190

five years yeah he's got a form of Lou

592

00:26:15,389 --> 00:26:13,990

Gehrig's disease however hasn't he and

593

00:26:19,019 --> 00:26:15,399

that's usually faithful within about

594

00:26:22,289 --> 00:26:19,029

three years but yeah exceptional case

595

00:26:23,940 --> 00:26:22,299

yeah yes but and you mentioned that you

596

00:26:26,039 --> 00:26:23,950

work with mice Adam do you have an

597

00:26:29,299 --> 00:26:26,049

animal facility here or is that I'm

598

00:26:31,310 --> 00:26:29,309

somewhere else on campus soon we have a

599

00:26:34,380 --> 00:26:31,320

excellent animal

600

00:26:36,390 --> 00:26:34,390

all of our transgenic mice mm-hmm boss

601  
00:26:39,750 --> 00:26:36,400  
as well as all of our allies are

602  
00:26:41,880 --> 00:26:39,760  
breedings transgenic mice and mouse mice

603  
00:26:43,230 --> 00:26:41,890  
that have had their genes modified in

604  
00:26:45,600 --> 00:26:43,240  
somewhere so they might have a gene

605  
00:26:47,430 --> 00:26:45,610  
removed or an extra gene added so that

606  
00:26:49,650 --> 00:26:47,440  
you can then study the impact of that

607  
00:26:52,110 --> 00:26:49,660  
gene on yeah that's right it's really

608  
00:26:54,240 --> 00:26:52,120  
important to finding out what genes

609  
00:26:56,220 --> 00:26:54,250  
doing which is I guess what people used

610  
00:26:58,620 --> 00:26:56,230  
to refer to when the 90s is the scary

611  
00:27:00,240 --> 00:26:58,630  
term genetic engineering right we do

612  
00:27:01,350 --> 00:27:00,250  
that every day though there's nothing

613  
00:27:05,550 --> 00:27:01,360

scary about it we're not creating

614

00:27:08,070 --> 00:27:05,560

monsters but still it's heavily

615

00:27:11,280 --> 00:27:08,080

controlled we're in what now is called a

616

00:27:13,980 --> 00:27:11,290

PC to the environment which is called a

617

00:27:15,750 --> 00:27:13,990

physical confinement area to because we

618

00:27:18,030 --> 00:27:15,760

do work on transgenic animals and we

619

00:27:19,790 --> 00:27:18,040

have transgenic tissues of all has to be

620

00:27:22,410 --> 00:27:19,800

contained so this loading an

621

00:27:24,030 --> 00:27:22,420

unintentional releases its cool so is

622

00:27:26,100 --> 00:27:24,040

this to prevent something like the movie

623

00:27:27,680 --> 00:27:26,110

outbreak where you know a virus escapes

624

00:27:30,570 --> 00:27:27,690

and then affects the whole of the

625

00:27:32,760 --> 00:27:30,580

community and everybody dies right I can

626

00:27:36,360 --> 00:27:32,770

get it stupid like that yeah not really

627

00:27:38,490 --> 00:27:36,370

like that that's what Hollywood makes it

628

00:27:40,220 --> 00:27:38,500

out to be like all right small because

629

00:27:43,470 --> 00:27:40,230

it sounds scary but it will actually

630

00:27:45,540 --> 00:27:43,480

make any difference i mean genetics are

631

00:27:47,040 --> 00:27:45,550

always changing even in the world and it

632

00:27:48,960 --> 00:27:47,050

might just be something as simple as one

633

00:27:52,680 --> 00:27:48,970

protein is modified as long as I've got

634

00:27:55,290 --> 00:27:52,690

five heads right no I will see that yet

635

00:27:56,910 --> 00:27:55,300

no I open over it's important to

636

00:27:59,640 --> 00:27:56,920

emphasize though to our listeners that

637

00:28:01,950 --> 00:27:59,650

there is a very strict process that you

638

00:28:04,950 --> 00:28:01,960

have to follow when you're using animals

639

00:28:06,660 --> 00:28:04,960

like that absolutely it is and I think

640

00:28:09,110 --> 00:28:06,670

it's really good that the public does

641

00:28:12,540 --> 00:28:09,120

neither be animals are used in research

642

00:28:15,000 --> 00:28:12,550

now they need to be used in research but

643

00:28:16,860 --> 00:28:15,010

it's heavily controlled but we have to

644

00:28:18,990 --> 00:28:16,870

go through ethics committees for every

645

00:28:21,150 --> 00:28:19,000

single one of our procedures are those

646

00:28:24,330 --> 00:28:21,160

ethics committees are both scientists

647

00:28:26,640 --> 00:28:24,340

and lay people and even people from

648

00:28:28,920 --> 00:28:26,650

animal rights groups sit on the

649

00:28:31,940 --> 00:28:28,930

committee so everything we do to the

650

00:28:33,980 --> 00:28:31,950

animals is heavily controlled and high

651  
00:28:35,779 --> 00:28:33,990  
ethical none of our animals will go

652  
00:28:37,759 --> 00:28:35,789  
through any suffering whatsoever as it

653  
00:28:39,919 --> 00:28:37,769  
would not be approved if ever we're

654  
00:28:41,389 --> 00:28:39,929  
doing surgery there's always the right

655  
00:28:43,970 --> 00:28:41,399  
anesthetics are used and there's

656  
00:28:45,950 --> 00:28:43,980  
analgesics used so if we just like

657  
00:28:50,000 --> 00:28:45,960  
treating a human if you were doing

658  
00:28:52,299 --> 00:28:50,010  
surgery and we have humane ways of

659  
00:28:55,519 --> 00:28:52,309  
sacrificing animals as well with either

660  
00:28:57,139 --> 00:28:55,529  
barbiturate overdose or other methods

661  
00:28:59,120 --> 00:28:57,149  
that are approved by the ethics

662  
00:29:02,090 --> 00:28:59,130  
committee we've just walked into another

663  
00:29:03,680 --> 00:29:02,100

microscope racer microsemi microscope

664

00:29:05,990 --> 00:29:03,690

room for level six it looks like an

665

00:29:07,970 --> 00:29:06,000

expensive room and is an extremely

666

00:29:09,769 --> 00:29:07,980

expensive for millions and millions of

667

00:29:12,680 --> 00:29:09,779

dollars worth of equipment I can see

668

00:29:15,230 --> 00:29:12,690

probably about six or bloody more how

669

00:29:19,340 --> 00:29:15,240

many microscope cheering ah there's the

670

00:29:23,240 --> 00:29:19,350

six my prescription here we have two

671

00:29:25,279 --> 00:29:23,250

normal upright fluorescence microscope

672

00:29:27,350 --> 00:29:25,289

so that allows us to visualize

673

00:29:29,810 --> 00:29:27,360

fluorophores that we stick in the brain

674

00:29:32,269 --> 00:29:29,820

so we can look at look at the cells now

675

00:29:34,129 --> 00:29:32,279

they're all hooked up with high-end

676

00:29:36,350 --> 00:29:34,139

digital cameras that are about twenty

677

00:29:39,169 --> 00:29:36,360

five thousand dollars each for the

678

00:29:41,419 --> 00:29:39,179

cameras and so is this the room out of

679

00:29:43,399 --> 00:29:41,429

my you take photos of your brain because

680

00:29:46,149 --> 00:29:43,409

you sent Richard Saunders and I some

681

00:29:48,500 --> 00:29:46,159

beautiful pictures of brain sections

682

00:29:50,899 --> 00:29:48,510

after you saw the earrings that he make

683

00:29:51,980 --> 00:29:50,909

that we inspired by the pictures that

684

00:29:54,529 --> 00:29:51,990

you sent Richard that he made the

685

00:29:56,990 --> 00:29:54,539

earrings fort on on Twitter and went

686

00:29:59,330 --> 00:29:57,000

well I'd love Richard to do something

687

00:30:01,220 --> 00:29:59,340

with the images I take this I haven't

688

00:30:03,379 --> 00:30:01,230

really thought of doing anything with

689

00:30:04,879 --> 00:30:03,389

them so I sent him a few pictures and

690

00:30:08,930 --> 00:30:04,889

this is the room where I take them wow

691

00:30:12,830 --> 00:30:08,940

those pictures we we can use three or

692

00:30:16,399 --> 00:30:12,840

four colors to look at brain cells so

693

00:30:18,500 --> 00:30:16,409

it's a red green or blue so we can look

694

00:30:21,289 --> 00:30:18,510

at three different things in one brain

695

00:30:23,419 --> 00:30:21,299

section it's just a way of getting data

696

00:30:24,919 --> 00:30:23,429

so you reach the brains and you get the

697

00:30:27,070 --> 00:30:24,929

data but the images look absolutely

698

00:30:28,870 --> 00:30:27,080

spectacular as well so okay

699

00:30:31,870 --> 00:30:28,880

really inspiring when you take a really

700

00:30:33,310 --> 00:30:31,880

nice shot so it's a little bit more than

701  
00:30:35,500 --> 00:30:33,320  
the data because it looks pretty as well

702  
00:30:38,680 --> 00:30:35,510  
yeah you're actually looking down at

703  
00:30:40,389 --> 00:30:38,690  
brain cells in the brain so yeah it's

704  
00:30:42,370 --> 00:30:40,399  
really amazing just to see them and look

705  
00:30:44,169 --> 00:30:42,380  
at them well this is amazing Adam and

706  
00:30:47,590 --> 00:30:44,179  
thanks so much for showing us around

707  
00:30:50,500 --> 00:30:47,600  
your lab and good luck with the rest of

708  
00:30:52,659 --> 00:30:50,510  
your research and if you'd like to know

709  
00:30:54,250 --> 00:30:52,669  
more about the work of dr. Adam Hamlin

710  
00:30:58,320 --> 00:30:54,260  
and his colleagues at the Queensland

711  
00:31:02,860 --> 00:30:58,330  
brain institute head to dub dub dub QB i

712  
00:31:05,440 --> 00:31:02,870  
uq e dua you and for more information

713  
00:31:09,159 --> 00:31:05,450

about alzheimer's you can search google

714

00:31:11,950 --> 00:31:09,169

or go to dub dub dub alzheimer's org a

715

00:31:19,860 --> 00:31:11,960

you and until next time this has been

716

00:31:25,270 --> 00:31:22,900

this is brian dunning from the sceptile

717

00:31:29,650 --> 00:31:25,280

cast been enjoying your critical

718

00:31:32,289 --> 00:31:29,660

thinking shows in audio only you've been

719

00:31:37,090 --> 00:31:32,299

missing half the fun check out my new

720

00:31:41,770 --> 00:31:37,100

video podcast in fact on itunes or click

721

00:31:44,289 --> 00:31:41,780

it on skep tied com3 pilot episodes of

722

00:31:46,780 --> 00:31:44,299

in fact are available now for immediate

723

00:31:49,120 --> 00:31:46,790

viewing I'm looking for sponsorship to

724

00:31:51,940 --> 00:31:49,130

produce an entire first season of 13

725

00:31:54,190 --> 00:31:51,950

episodes and hopefully many more seasons

726  
00:31:56,320 --> 00:31:54,200  
to follow you can see the whole lineup

727  
00:31:59,440 --> 00:31:56,330  
and get all the other nuts and bolts if

728  
00:32:02,710 --> 00:31:59,450  
you go to skip tide come and click on in

729  
00:32:04,510 --> 00:32:02,720  
fact and don't forget to come back to

730  
00:32:08,549 --> 00:32:04,520  
the skeptic zone when you're done

731  
00:32:11,350 --> 00:32:08,559  
watching I I think it's audio only but

732  
00:32:17,409 --> 00:32:11,360  
that's okay I still like it this is

733  
00:32:20,380 --> 00:32:17,419  
brian dunning from sceptile calm join us

734  
00:32:25,420 --> 00:32:20,390  
now for drinking skeptically in the

735  
00:32:31,700 --> 00:32:28,100  
and i'd like to welcome everybody to the

736  
00:32:33,740 --> 00:32:31,710  
think tank tonight welcome around thank

737  
00:32:37,880 --> 00:32:33,750  
you Richard welcome dr. AG siren says

738  
00:32:39,710 --> 00:32:37,890

welcome everybody oh ok that's all it's

739

00:32:41,120 --> 00:32:39,720

just Iran and dr. AG and yours truly

740

00:32:43,160 --> 00:32:41,130

Richard Saunders in the think tank

741

00:32:45,800 --> 00:32:43,170

tonight what folks we're in a very

742

00:32:47,300 --> 00:32:45,810

strange room now often we come down to

743

00:32:49,250 --> 00:32:47,310

the lower level of our favorite Club

744

00:32:51,470 --> 00:32:49,260

which is the cannery Hilson Park RSL

745

00:32:53,840 --> 00:32:51,480

club and the wonderful suburb of holston

746

00:32:56,060 --> 00:32:53,850

park in Sydney and this used to be the

747

00:32:57,410 --> 00:32:56,070

sports bar Iran in fact I used I

748

00:32:59,530 --> 00:32:57,420

remember coming here to see world cup

749

00:33:04,390 --> 00:32:59,540

soccer games but now it's a giant

750

00:33:07,130 --> 00:33:04,400

storage area full of dead chairs dead

751

00:33:09,590 --> 00:33:07,140

gaming machines I think we mentioned the

752

00:33:11,060 --> 00:33:09,600

gaming machines last yeah this time a

753

00:33:13,190 --> 00:33:11,070

lot of the gaming machines although the

754

00:33:17,690 --> 00:33:13,200

pokies seem to be gone yeah but there's

755

00:33:20,210 --> 00:33:17,700

old chairs type 3 3 layers up it's very

756

00:33:22,000 --> 00:33:20,220

strange that's good for us it's good for

757

00:33:24,230 --> 00:33:22,010

us we can sort of sneak back here and

758

00:33:27,260 --> 00:33:24,240

there's no chance anybody will ever find

759

00:33:29,210 --> 00:33:27,270

us no you reckon girls and boy if

760

00:33:31,780 --> 00:33:29,220

anything happens you don't hear from us

761

00:33:34,310 --> 00:33:31,790

again please send the rescue teams yes

762

00:33:35,720 --> 00:33:34,320

anyway I'm just running through sorry I

763

00:33:37,400 --> 00:33:35,730

was a bit distracted because i'm looking

764

00:33:39,920 --> 00:33:37,410

through the twitter stream Richard

765

00:33:42,110 --> 00:33:39,930

because I just missed the avian

766

00:33:43,940 --> 00:33:42,120

homeopathy well let's go let's kick off

767

00:33:46,250 --> 00:33:43,950

this think tank with that bit of news as

768

00:33:47,750 --> 00:33:46,260

we were actually having a nice Chinese

769

00:33:50,690 --> 00:33:47,760

dinner which is what we usually do

770

00:33:53,120 --> 00:33:50,700

before the think tank are the webinar

771

00:33:54,980 --> 00:33:53,130

hosted or is it hosted by the Australian

772

00:33:56,840 --> 00:33:54,990

vaccinations at once by the extreme

773

00:33:58,940 --> 00:33:56,850

vaccination network and featuring France

774

00:34:01,850 --> 00:33:58,950

Sheffield friend Sheffield homeopathy

775

00:34:04,430 --> 00:34:01,860

plus she's the homeopath who has

776

00:34:06,560 --> 00:34:04,440

produced a PDF which will link to in the

777

00:34:09,139 --> 00:34:06,570

show notes about all about the benefits

778

00:34:11,659 --> 00:34:09,149

of homeopathic vaccination for all sorts

779

00:34:12,710 --> 00:34:11,669

of diseases yes that's yeah and it's

780

00:34:14,930 --> 00:34:12,720

interesting to note that French

781

00:34:16,820 --> 00:34:14,940

Sheffield is actually the character name

782

00:34:19,190 --> 00:34:16,830

of the nanny remember that show oh

783

00:34:21,800 --> 00:34:19,200

that's true yeah and she makes about as

784

00:34:23,389 --> 00:34:21,810

much sense as she does I haven't heard

785

00:34:25,490 --> 00:34:23,399

us speak unfortunately as I just

786

00:34:27,800 --> 00:34:25,500

mentioned I missed it because I'm here

787

00:34:31,250 --> 00:34:27,810

but I'm just following the hashtag

788

00:34:33,560 --> 00:34:31,260

autism avian on Twitter to see how

789

00:34:34,850 --> 00:34:33,570

people responded tonight and of course

790

00:34:37,520 --> 00:34:34,860

it was about how homey

791

00:34:39,380 --> 00:34:37,530

he can assist in autism hence the

792

00:34:43,490 --> 00:34:39,390

hashtag what are the some of the gems

793

00:34:45,770 --> 00:34:43,500

have come out people saying send this

794

00:34:49,130 --> 00:34:45,780

woman straight to the H Triple C she's

795

00:34:51,890 --> 00:34:49,140

claiming that she recommended homeopathy

796

00:34:53,750 --> 00:34:51,900

instead of conventional medicine age

797

00:34:55,340 --> 00:34:53,760

Triple C of course stands for the

798

00:34:57,980 --> 00:34:55,350

healthcare Complaints Commission yep

799

00:35:00,260 --> 00:34:57,990

real friends over South Wales yep she's

800

00:35:04,430 --> 00:35:00,270

flogging books and videos galore from

801  
00:35:06,650 --> 00:35:04,440  
her website so that makes her a health

802  
00:35:08,810 --> 00:35:06,660  
practitioner by definition of the H

803  
00:35:10,550 --> 00:35:08,820  
Triple C but apparently I don't want to

804  
00:35:11,810 --> 00:35:10,560  
spoil your thunder but somewhere there

805  
00:35:13,760 --> 00:35:11,820  
that they're all twittering that she

806  
00:35:15,350 --> 00:35:13,770  
actually says it but you use a health

807  
00:35:19,310 --> 00:35:15,360  
practitioner health care practitioner

808  
00:35:21,290 --> 00:35:19,320  
yeah apparently somebody said autism is

809  
00:35:24,680 --> 00:35:21,300  
linked with vaccination medication and

810  
00:35:26,780 --> 00:35:24,690  
dietary issues I did see something here

811  
00:35:29,030 --> 00:35:26,790  
earlier about Meryl dori saying

812  
00:35:31,400 --> 00:35:29,040  
something about a study from The Lancet

813  
00:35:33,380 --> 00:35:31,410

and I assume that that's the Wakefield

814

00:35:35,450 --> 00:35:33,390

study i'm not sure but of course we all

815

00:35:36,740 --> 00:35:35,460

know that's been discredited and wheat

816

00:35:39,440 --> 00:35:36,750

fields currently under the under

817

00:35:41,840 --> 00:35:39,450

investigation by the GMC and the UK what

818

00:35:44,900 --> 00:35:41,850

a wood a if i can use the expression

819

00:35:47,720 --> 00:35:44,910

what an unholy alliance it is for the

820

00:35:50,090 --> 00:35:47,730

avian to be in bed with the far end the

821

00:35:52,100 --> 00:35:50,100

extreme end of the homeopathic people

822

00:35:53,840 --> 00:35:52,110

and he's a surprise for you and probably

823

00:35:56,480 --> 00:35:53,850

for our listeners to she doesn't endorse

824

00:36:00,320 --> 00:35:56,490

vaccinations friend Sheffield yeah I'm

825

00:36:02,480 --> 00:36:00,330

shocked funny you know mm-hm so I missed

826

00:36:05,210 --> 00:36:02,490

it but I have registered so I can go

827

00:36:06,770 --> 00:36:05,220

home and watch it at my leisure so I'm

828

00:36:09,890 --> 00:36:06,780

not sure if I'll be able to cope with

829

00:36:12,320 --> 00:36:09,900

that better so it's it that somebody say

830

00:36:16,280 --> 00:36:12,330

that Diana friend Diane who's not here

831

00:36:18,980 --> 00:36:16,290

tonight her cat threw up or something we

832

00:36:23,150 --> 00:36:18,990

did the first casualty of the webinar

833

00:36:27,590 --> 00:36:23,160

was die aunt Catherine through yeah

834

00:36:29,480 --> 00:36:27,600

apparently I'm not I'm not surprised so

835

00:36:32,210 --> 00:36:29,490

it's a it's been a busy day for Merrill

836

00:36:33,710 --> 00:36:32,220

today riches yeah and over the last few

837

00:36:37,520 --> 00:36:33,720

days oh you've got some more news let's

838

00:36:39,320 --> 00:36:37,530

go to that absolutely now a lot of our

839

00:36:41,870 --> 00:36:39,330

listeners would remember the story of

840

00:36:45,050 --> 00:36:41,880

Dana McCaffrey she was her parents were

841

00:36:46,490 --> 00:36:45,060

awarded with the Fred award this year at

842

00:36:47,270 --> 00:36:46,500

our convention what listeners will

843

00:36:48,590 --> 00:36:47,280

recall

844

00:36:50,840 --> 00:36:48,600

from our very last episode and

845

00:36:54,220 --> 00:36:50,850

vertically yeah so they set up a

846

00:36:57,650 --> 00:36:54,230

Facebook page in memory of Dana

847

00:37:00,140 --> 00:36:57,660

McCaffrey and yesterday or the day

848

00:37:03,290 --> 00:37:00,150

before Meryl does joy decided she'd post

849

00:37:05,570 --> 00:37:03,300

on the facebook page and guess what she

850

00:37:08,120 --> 00:37:05,580

wasn't posting condolences or sympathy

851  
00:37:09,350 --> 00:37:08,130  
know you've read it around what what can

852  
00:37:12,560 --> 00:37:09,360  
you tell our listeners what she was

853  
00:37:14,810 --> 00:37:12,570  
posting the problem is not what she

854  
00:37:18,380 --> 00:37:14,820  
wrote so much I mean she just the fact

855  
00:37:20,660 --> 00:37:18,390  
that she saw fit to go on our honor one

856  
00:37:22,520 --> 00:37:20,670  
of the rants about vaccines when the

857  
00:37:24,980 --> 00:37:22,530  
page dedicated the memory of a child who

858  
00:37:27,620 --> 00:37:24,990  
died of hooking cough vaccine

859  
00:37:29,930 --> 00:37:27,630  
preventable disease is diabolical he

860  
00:37:31,250 --> 00:37:29,940  
just shows her true nature you know not

861  
00:37:33,140 --> 00:37:31,260  
that we were surprised but it's still

862  
00:37:34,370 --> 00:37:33,150  
absolutely appalling well it's

863  
00:37:36,580 --> 00:37:34,380

interesting that you should say rant

864

00:37:39,200 --> 00:37:36,590

because it wasn't just one post either

865

00:37:41,390 --> 00:37:39,210

when people responded to some of the

866

00:37:44,450 --> 00:37:41,400

statistics that you put in the post as

867

00:37:47,510 --> 00:37:44,460

we all know she missed quote statistics

868

00:37:48,980 --> 00:37:47,520

to suit her cause so it really does not

869

00:37:51,740 --> 00:37:48,990

only the creationists who would take

870

00:37:53,600 --> 00:37:51,750

quotes out of context all the time in

871

00:37:56,000 --> 00:37:53,610

the old days when we were battling them

872

00:37:58,400 --> 00:37:56,010

well she's done this she does it over

873

00:38:01,670 --> 00:37:58,410

and over again she she says that the

874

00:38:03,470 --> 00:38:01,680

vaccination rate is 95 point one percent

875

00:38:05,480 --> 00:38:03,480

yet there's been a whooping cough

876

00:38:07,010 --> 00:38:05,490

epidemic and how do you explain that

877

00:38:08,270 --> 00:38:07,020

while it must be because the vaccine

878

00:38:09,920 --> 00:38:08,280

doesn't work but you know what she

879

00:38:13,430 --> 00:38:09,930

neglects to mention is that in the area

880

00:38:16,400 --> 00:38:13,440

where she lives it's down to about 18

881

00:38:18,020 --> 00:38:16,410

six percent and in the byron bay area

882

00:38:21,320 --> 00:38:18,030

which is adjacent to where she lives at

883

00:38:24,290 --> 00:38:21,330

sixty-eight percent 68% eight percent

884

00:38:26,660 --> 00:38:24,300

yeah well done Merrill yeah I know so

885

00:38:28,610 --> 00:38:26,670

she's not even taking credit for her

886

00:38:29,750 --> 00:38:28,620

hard work you know she should be Merrill

887

00:38:31,880 --> 00:38:29,760

what's wrong with you come on he'd be

888

00:38:34,910 --> 00:38:31,890

saying stand up and take the bells yay

889

00:38:38,540 --> 00:38:34,920

for me yeah um but can you some can you

890

00:38:42,110 --> 00:38:38,550

pass me the paper bag please but she

891

00:38:44,270 --> 00:38:42,120

went on to argue with people but i just

892

00:38:48,800 --> 00:38:44,280

wanted to read out the last post that

893

00:38:50,620 --> 00:38:48,810

was on there today yeah oh yeah actually

894

00:38:53,480 --> 00:38:50,630

just before I do that I'll mention that

895

00:38:56,900 --> 00:38:53,490

Dave Dave McCaffrey got on there on

896

00:38:59,079 --> 00:38:56,910

December the seventh and said that you

897

00:39:01,509 --> 00:38:59,089

know she'd had enough chance and

898

00:39:03,640 --> 00:39:01,519

it was disappointed that she'd come to

899

00:39:07,059 --> 00:39:03,650

this page and to please show respect and

900

00:39:10,319 --> 00:39:07,069

to be a decent human being and they've

901  
00:39:13,209 --> 00:39:10,329  
suffered enough and please just go away

902  
00:39:15,160 --> 00:39:13,219  
it's going appropriate to do this but

903  
00:39:16,989 --> 00:39:15,170  
she kept going because well she don't

904  
00:39:19,029 --> 00:39:16,999  
have some sort of competence you cannot

905  
00:39:20,499 --> 00:39:19,039  
keep her mouth shut she cannot I don't

906  
00:39:25,650 --> 00:39:20,509  
understand it I love that old expression

907  
00:39:31,809 --> 00:39:27,969  
what he found that squirts applicable

908  
00:39:34,209 --> 00:39:31,819  
okay you like that but I just wanted to

909  
00:39:37,150 --> 00:39:34,219  
read out a post from our friend first

910  
00:39:40,599 --> 00:39:37,160  
win who was the last word on I first on

911  
00:39:43,150 --> 00:39:40,609  
this thread she wrote a brilliant post

912  
00:39:46,539 --> 00:39:43,160  
which pawned how do you say that word

913  
00:39:49,359 --> 00:39:46,549

pwned of it spawned hello pwnage pawned

914

00:39:51,910 --> 00:39:49,369

pawned here all we're showing our age

915

00:39:54,400 --> 00:39:51,920

because all the young the young people

916

00:39:57,519 --> 00:39:54,410

who something this show anyway go on we

917

00:40:01,359 --> 00:39:57,529

know what you mean yeah um completely my

918

00:40:04,390 --> 00:40:01,369

dad got the better of ya one she says

919

00:40:05,979 --> 00:40:04,400

dearest Meryl how nice to see you here

920

00:40:08,410 --> 00:40:05,989

sharing your opinions with the rest of

921

00:40:10,120 --> 00:40:08,420

us on the very page dedicated to the

922

00:40:11,890 --> 00:40:10,130

memory of a young child that was the

923

00:40:14,950 --> 00:40:11,900

catalyst for the complaint against you

924

00:40:17,559 --> 00:40:14,960

and your organization you have no right

925

00:40:19,690 --> 00:40:17,569

of reply in this forum opinions and

926  
00:40:21,400 --> 00:40:19,700  
judgments here are based on facts you

927  
00:40:23,529 --> 00:40:21,410  
are nothing but a conspiracy theorist

928  
00:40:25,870 --> 00:40:23,539  
spreading misinformation and fear in the

929  
00:40:27,609 --> 00:40:25,880  
community to such an extent for the

930  
00:40:29,529 --> 00:40:27,619  
government authority has seen fit to

931  
00:40:31,930 --> 00:40:29,539  
investigate your effects on public

932  
00:40:34,209 --> 00:40:31,940  
health I see no valid reason for your

933  
00:40:36,309 --> 00:40:34,219  
presence here and the only reasons i can

934  
00:40:39,039 --> 00:40:36,319  
see either you are insane or out to

935  
00:40:42,609 --> 00:40:39,049  
intimidate i draw your attention to the

936  
00:40:46,950 --> 00:40:42,619  
following read closely health care

937  
00:40:49,890 --> 00:40:46,960  
complaints act 1993 section 98 offense

938  
00:40:53,380 --> 00:40:49,900

intimidation or bribery of complainants

939

00:40:56,319 --> 00:40:53,390

one a person who by threats intimidation

940

00:40:59,469 --> 00:40:56,329

or inducement persuades or attempts to

941

00:41:00,819 --> 00:40:59,479

persuade another person a not to make a

942

00:41:02,979 --> 00:41:00,829

complaint to the commission or

943

00:41:04,599 --> 00:41:02,989

registration authority or not to

944

00:41:06,299 --> 00:41:04,609

continue with a complaint made to the

945

00:41:09,400 --> 00:41:06,309

Commission or registration authority

946

00:41:11,289 --> 00:41:09,410

then she says you made a very bad choice

947

00:41:12,980 --> 00:41:11,299

posting here Meryl rest assure that

948

00:41:14,420 --> 00:41:12,990

every character you tie

949

00:41:16,190 --> 00:41:14,430

will be forwarded to the healthcare

950

00:41:18,650 --> 00:41:16,200

Complaints Commission as evidence of

951  
00:41:21,500 --> 00:41:18,660  
intimidation and every character thus

952  
00:41:27,230 --> 00:41:21,510  
far is already on its way Meryl get a

953  
00:41:28,609 --> 00:41:27,240  
clue yeah so I mean you're so right that

954  
00:41:30,740 --> 00:41:28,619  
she opens her mouth to change feet

955  
00:41:32,510 --> 00:41:30,750  
because she could be accused of a timid

956  
00:41:34,250 --> 00:41:32,520  
at intimidation under this section of

957  
00:41:35,900 --> 00:41:34,260  
the healthcare well let's let's see

958  
00:41:39,560 --> 00:41:35,910  
let's encourage you to keep commenting

959  
00:41:41,000 --> 00:41:39,570  
yeah go for it Meryl yeah yeah yeah it's

960  
00:41:43,880 --> 00:41:41,010  
fine something I find quite interesting

961  
00:41:47,000 --> 00:41:43,890  
about Meryl Dorian people like that do

962  
00:41:48,859 --> 00:41:47,010  
you really think that they think that we

963  
00:41:51,290 --> 00:41:48,869

are being paid off by the big

964

00:41:53,840 --> 00:41:51,300

pharmaceutical companies is that a

965

00:41:56,210 --> 00:41:53,850

question of course they think that they

966

00:41:58,340 --> 00:41:56,220

really do of course they do you

967

00:42:00,770 --> 00:41:58,350

basically what you're asking other

968

00:42:02,900 --> 00:42:00,780

conspiracy theories genuine like

969

00:42:04,910 --> 00:42:02,910

genuinely believed in yeah they have no

970

00:42:06,560 --> 00:42:04,920

doubt they really do think so in their

971

00:42:09,170 --> 00:42:06,570

mind sitting there they're probably

972

00:42:12,560 --> 00:42:09,180

listening to this podcast hello thinking

973

00:42:14,960 --> 00:42:12,570

that we are Stooges when the direct pay

974

00:42:16,580 --> 00:42:14,970

off big farm which would be nice did

975

00:42:19,609 --> 00:42:16,590

they believe that there are mind-control

976

00:42:21,380 --> 00:42:19,619

chips in the vaccine for h1n one that's

977

00:42:22,640 --> 00:42:21,390

in more preposterous in us being in the

978

00:42:25,670 --> 00:42:22,650

pay of beef farmer of course they

979

00:42:27,050 --> 00:42:25,680

believe that wow it's just mind-boggling

980

00:42:28,790 --> 00:42:27,060

is and here we are just doing this

981

00:42:31,310 --> 00:42:28,800

little podcast from some basement of

982

00:42:34,460 --> 00:42:31,320

some Club winner with the piles of

983

00:42:36,800 --> 00:42:34,470

chairs chairs not on not in the

984

00:42:39,620 --> 00:42:36,810

Caribbean flat out on our money from Big

985

00:42:41,270 --> 00:42:39,630

Pharma it's a STONER look again you know

986

00:42:43,580 --> 00:42:41,280

this is not the craziest stuff that they

987

00:42:45,590 --> 00:42:43,590

believe first of all they believe that

988

00:42:47,420 --> 00:42:45,600

there's a conspiracy to poison children

989

00:42:50,270 --> 00:42:47,430

your conspiracy by the government now

990

00:42:52,250 --> 00:42:50,280

why would the government want to poison

991

00:42:54,680 --> 00:42:52,260

our children what what incentive is

992

00:42:57,320 --> 00:42:54,690

there okay let's sit for a moment assume

993

00:43:00,770 --> 00:42:57,330

that there is an incentive to the too

994

00:43:02,240 --> 00:43:00,780

big to the Big Pharma to poison each

995

00:43:04,460 --> 00:43:02,250

other okay because they can make money

996

00:43:07,640 --> 00:43:04,470

off it what's the incentive for the

997

00:43:09,230 --> 00:43:07,650

government just I just just something

998

00:43:10,880 --> 00:43:09,240

that some somebody who is reasonable in

999

00:43:12,980 --> 00:43:10,890

thinking and not understand any

1000

00:43:15,410 --> 00:43:12,990

government are made out of many parents

1001  
00:43:17,540 --> 00:43:15,420  
it was a pretty dumb tax it secretly you

1002  
00:43:18,560 --> 00:43:17,550  
guys let's get it all te o you

1003  
00:43:20,930 --> 00:43:18,570  
understand the structure of the

1004  
00:43:22,579 --> 00:43:20,940  
Illuminati you see

1005  
00:43:24,200 --> 00:43:22,589  
because the whole point of the world new

1006  
00:43:27,500 --> 00:43:24,210  
world order and the Illuminati is to

1007  
00:43:31,150 --> 00:43:27,510  
take over the United States and give it

1008  
00:43:33,680 --> 00:43:31,160  
over to the UN and to the Chinese army I

1009  
00:43:37,010 --> 00:43:33,690  
always thought rachel was in on this

1010  
00:43:40,339 --> 00:43:37,020  
damn you see my voice doesn't sound the

1011  
00:43:43,430 --> 00:43:40,349  
same anymore I've got a mind control

1012  
00:43:46,370 --> 00:43:43,440  
peloton by brain a couple more items

1013  
00:43:49,790 --> 00:43:46,380

before we get on to the predictions are

1014

00:43:52,250 --> 00:43:49,800

we as predictions big shout-out to Fred

1015

00:43:54,170 --> 00:43:52,260

Bremer in Vancouver and the Vancouver

1016

00:43:56,690 --> 00:43:54,180

skeptics in the pub who video skyped me

1017

00:43:58,490 --> 00:43:56,700

earlier today that was a real hood there

1018

00:44:01,280 --> 00:43:58,500

I was suddenly in the middle of the pub

1019

00:44:03,319 --> 00:44:01,290

there almost almost having a beer with

1020

00:44:05,599 --> 00:44:03,329

them but not quite but it was really

1021

00:44:07,760 --> 00:44:05,609

great to hook up with them being passed

1022

00:44:10,339 --> 00:44:07,770

I was wearing pants as as a matter of

1023

00:44:12,500 --> 00:44:10,349

fact I know I was home and I was working

1024

00:44:14,960 --> 00:44:12,510

at home working I was but not mandatory

1025

00:44:16,700 --> 00:44:14,970

to wear pants I happened unlike Phil

1026

00:44:18,620 --> 00:44:16,710

Plait who says Who am I am just a guy

1027

00:44:21,559 --> 00:44:18,630

who does a blog in his underwear I was

1028

00:44:23,630 --> 00:44:21,569

wearing pants last tonight um a big

1029

00:44:26,630 --> 00:44:23,640

congratulations to our dear friend DJ

1030

00:44:28,819 --> 00:44:26,640

Grothe oh yes yes the new president as

1031

00:44:32,559 --> 00:44:28,829

of January of the James Randi

1032

00:44:34,910 --> 00:44:32,569

Educational Foundation and big

1033

00:44:36,950 --> 00:44:34,920

encouragement to dr. Phil Plait who's

1034

00:44:38,780 --> 00:44:36,960

going on to do a TV project isn't that

1035

00:44:40,970 --> 00:44:38,790

exciting yeah I can't wait to hear more

1036

00:44:42,950 --> 00:44:40,980

about that good on you Phil and thank

1037

00:44:45,520 --> 00:44:42,960

you very much for your hard work with

1038

00:44:49,190 --> 00:44:45,530

the James Randi Educational Foundation

1039

00:44:51,500 --> 00:44:49,200

and also a little shout out to somebody

1040

00:44:53,390 --> 00:44:51,510

who wrote to us just yesterday I'll just

1041

00:44:56,000 --> 00:44:53,400

say it's Andrew from Victoria who wrote

1042

00:44:58,010 --> 00:44:56,010

the nicest email to us just thanking is

1043

00:44:59,750 --> 00:44:58,020

so sincerely for our work on the show

1044

00:45:01,640 --> 00:44:59,760

and he really enjoys this thing to it it

1045

00:45:03,680 --> 00:45:01,650

wasn't very nicely very Sandra we

1046

00:45:05,569 --> 00:45:03,690

appreciate it we did Andrew the city put

1047

00:45:10,839 --> 00:45:05,579

up with Richard every weekend it's

1048

00:45:15,559 --> 00:45:10,849

really hard I should added that out but

1049

00:45:18,349 --> 00:45:15,569

alright but you are I want and just get

1050

00:45:21,319 --> 00:45:18,359

the last bit of roundup information from

1051  
00:45:23,000 --> 00:45:21,329  
me for this is some listeners probably

1052  
00:45:25,550 --> 00:45:23,010  
know i was on a program here called

1053  
00:45:30,140 --> 00:45:25,560  
sunrise in the past week and you can see

1054  
00:45:32,030 --> 00:45:30,150  
that video clip at ww skeptics Comte you

1055  
00:45:34,340 --> 00:45:32,040  
just look for the link that says Richard

1056  
00:45:36,200 --> 00:45:34,350  
Saunders talks about astrology I

1057  
00:45:38,990 --> 00:45:36,210  
on with Milton black who's Australia's

1058  
00:45:41,330 --> 00:45:39,000  
leading astrologer and psychic mm-hmm

1059  
00:45:44,900 --> 00:45:41,340  
and wasn't a psychic he was very psychic

1060  
00:45:47,510 --> 00:45:44,910  
head for ww skeptics comdata you and

1061  
00:45:49,940 --> 00:45:47,520  
check out my TV appearance and why

1062  
00:45:51,740 --> 00:45:49,950  
you're there why not subscribe to the

1063  
00:45:54,380 --> 00:45:51,750

skeptic the Journal of Australian

1064

00:45:57,190 --> 00:45:54,390

skeptics good magazine it is to regular

1065

00:46:01,760 --> 00:45:57,200

magazine and the latest issue is in

1066

00:46:06,110 --> 00:46:01,770

right now on the print yeah I received

1067

00:46:14,690 --> 00:46:06,120

an email from the somebody who seems to

1068

00:46:18,050 --> 00:46:14,700

be the webmaster of skepticism his name

1069

00:46:20,120 --> 00:46:18,060

is Otto of mikela and he wrote me thus

1070

00:46:22,280 --> 00:46:20,130

you might be interested to know that the

1071

00:46:28,450 --> 00:46:22,290

two thousand and I finished skeptics who

1072

00:46:32,180 --> 00:46:28,460

ha who helped rise and he writes here in

1073

00:46:36,470 --> 00:46:32,190

parenthesis that hoo-ha means flim flim

1074

00:46:40,330 --> 00:46:36,480

flam flim flam was awarded to rock

1075

00:46:44,180 --> 00:46:40,340

artists raucous info I which means

1076  
00:46:46,610 --> 00:46:44,190  
vaccination info society so basically

1077  
00:46:48,410 --> 00:46:46,620  
they're equivalent of the bent spoon

1078  
00:46:51,700 --> 00:46:48,420  
award was awarded to add their

1079  
00:46:55,750 --> 00:46:51,710  
equivalent of the Australian vaccination

1080  
00:47:00,230 --> 00:46:55,760  
network with a similarly deceptive name

1081  
00:47:01,520 --> 00:47:00,240  
so that's you know it's happening all

1082  
00:47:03,230 --> 00:47:01,530  
over the world unfortunately it's not

1083  
00:47:06,140 --> 00:47:03,240  
just something that's unique to us and

1084  
00:47:08,480 --> 00:47:06,150  
then I found out through auto who

1085  
00:47:11,000 --> 00:47:08,490  
pointed out that he thought the Dutch

1086  
00:47:12,950 --> 00:47:11,010  
skeptics did the same now eat the link

1087  
00:47:14,510 --> 00:47:12,960  
to the Dutch skeptics website didn't

1088  
00:47:16,910 --> 00:47:14,520

help me much because Diane isn't here

1089

00:47:18,740 --> 00:47:16,920

today and I only did call her and hoped

1090

00:47:20,900 --> 00:47:18,750

you might be able to help me better the

1091

00:47:24,440 --> 00:47:20,910

skeptics website surprisingly is all in

1092

00:47:28,700 --> 00:47:24,450

Dutch so I'm and my Dutch is very

1093

00:47:32,510 --> 00:47:28,710

limited two but three words sog hey all

1094

00:47:35,180 --> 00:47:32,520

of you with your clothes chula windmill

1095

00:47:39,830 --> 00:47:35,190

oh no I what are those things that Diane

1096

00:47:43,219 --> 00:47:39,840

makes us 80 Freight free I can freakin

1097

00:47:47,940 --> 00:47:43,229

del freaking down special yeah

1098

00:47:50,430 --> 00:47:47,950

licorice okay so now that we finish

1099

00:47:53,989 --> 00:47:50,440

talking about Dutch not skeptics led yes

1100

00:47:58,289 --> 00:47:53,999

norms let's talk about this so um I

1101

00:48:00,539 --> 00:47:58,299

contacted yawn villam nienhaus i hope

1102

00:48:02,190 --> 00:48:00,549

i'm pronouncing this correctly probably

1103

00:48:04,319 --> 00:48:02,200

not though the way the contact name was

1104

00:48:06,660 --> 00:48:04,329

actually funny i was looking through the

1105

00:48:10,529 --> 00:48:06,670

website for contact details but i don't

1106

00:48:11,849 --> 00:48:10,539

know how they say contact details so

1107

00:48:14,160 --> 00:48:11,859

it's basically roaming through a few

1108

00:48:15,359 --> 00:48:14,170

pages that seem to be about the

1109

00:48:17,309 --> 00:48:15,369

organization and there was a phone

1110

00:48:20,400 --> 00:48:17,319

number there and i just called the

1111

00:48:22,170 --> 00:48:20,410

number you know 00 1131 you know darling

1112

00:48:23,450 --> 00:48:22,180

the dutch number and hoping that it's

1113

00:48:25,650 --> 00:48:23,460

not the new phone number for some

1114

00:48:30,450 --> 00:48:25,660

government department or maybe he'll

1115

00:48:32,430 --> 00:48:30,460

homeopath but anyway jaan answered the

1116

00:48:35,249 --> 00:48:32,440

phone I woke him up it was quoted to

1117

00:48:39,839 --> 00:48:35,259

eight in the morning in Holland and and

1118

00:48:42,960 --> 00:48:39,849

he sent me information about about their

1119

00:48:44,910 --> 00:48:42,970

prize so I'll read a few snippets from

1120

00:48:46,529 --> 00:48:44,920

his email it's fairly long he translated

1121

00:48:49,440 --> 00:48:46,539

it for me so basically they have

1122

00:48:51,539 --> 00:48:49,450

something called the master codorus

1123

00:48:56,219 --> 00:48:51,549

prize it's similar to the bed spoon

1124

00:48:58,019 --> 00:48:56,229

award but it's it's given by the VT DK

1125

00:49:00,450 --> 00:48:58,029

which is the Association against

1126  
00:49:02,900 --> 00:49:00,460  
quackery no legislation against quackery

1127  
00:49:05,940 --> 00:49:02,910  
so they have that Association and the

1128  
00:49:10,609 --> 00:49:05,950  
organization basically they provide that

1129  
00:49:12,719 --> 00:49:10,619  
also the award the data that prize and

1130  
00:49:16,049 --> 00:49:12,729  
I'll tell you the name of the

1131  
00:49:17,849 --> 00:49:16,059  
organization that won it it says here I

1132  
00:49:20,039 --> 00:49:17,859  
can't hide to you for you that the jury

1133  
00:49:21,359 --> 00:49:20,049  
hesitates someone in lexing this

1134  
00:49:24,239 --> 00:49:21,369  
organization they don't say what the

1135  
00:49:26,190 --> 00:49:24,249  
organization is just yet because members

1136  
00:49:28,170 --> 00:49:26,200  
and guests and Xcode above the departing

1137  
00:49:30,089 --> 00:49:28,180  
five minutes on Gont elston Park dollar

1138  
00:49:32,309 --> 00:49:30,099

chill man for Canterbury and can see

1139

00:49:35,900 --> 00:49:32,319

that's a courtesy bus departing in five

1140

00:49:39,150 --> 00:49:35,910

minutes time thank you and Rotterdam

1141

00:49:40,140 --> 00:49:39,160

yeah so actually i'll start i'll start

1142

00:49:41,999 --> 00:49:40,150

by them with the name of the

1143

00:49:43,950 --> 00:49:42,009

organization that'll be easier it's the

1144

00:49:45,870 --> 00:49:43,960

organization that one that Massacre

1145

00:49:47,549 --> 00:49:45,880

chorus price for this year is called the

1146

00:49:50,589 --> 00:49:47,559

Dutch Association for discerning

1147

00:49:53,650 --> 00:49:50,599

vaccinations Oh God so they

1148

00:49:55,620 --> 00:49:53,660

they just did this line is there you go

1149

00:49:57,700 --> 00:49:55,630

names you know just call themselves

1150

00:49:59,289 --> 00:49:57,710

vaccination is really bad and we don't

1151

00:50:01,599 --> 00:49:59,299

approve but the organization or

1152

00:50:03,450 --> 00:50:01,609

something be honest people anyway so

1153

00:50:06,009 --> 00:50:03,460

what they're saying is it say it says

1154

00:50:09,999 --> 00:50:06,019

that the organization does not usually

1155

00:50:13,180 --> 00:50:10,009

give prizes to this kind of organization

1156

00:50:14,529 --> 00:50:13,190

and they hesitated because usually the

1157

00:50:16,989 --> 00:50:14,539

prizes awarded organizations

1158

00:50:19,479 --> 00:50:16,999

institutions or persons that promote

1159

00:50:21,249 --> 00:50:19,489

quackery but that are expected to be

1160

00:50:23,319 --> 00:50:21,259

able to mend their ways and that might

1161

00:50:25,630 --> 00:50:23,329

react to appeal to their conscience or

1162

00:50:28,420 --> 00:50:25,640

scientific data committing quackery

1163

00:50:30,759 --> 00:50:28,430

generally does not marry a nomination

1164

00:50:32,799 --> 00:50:30,769

for a prize the Dutch Association for

1165

00:50:34,859 --> 00:50:32,809

discerning vaccination was established

1166

00:50:36,849 --> 00:50:34,869

by homeopaths in naturopaths and

1167

00:50:39,509 --> 00:50:36,859

considering a considerable number of

1168

00:50:43,539 --> 00:50:39,519

them is actively practicing your face

1169

00:50:44,769 --> 00:50:43,549

yeah so basically they've decided to

1170

00:50:47,680 --> 00:50:44,779

give it to them anyway because they were

1171

00:50:50,109 --> 00:50:47,690

just so deserving govt report maester

1172

00:50:52,989 --> 00:50:50,119

kakadu his price twitter isn't and neha

1173

00:50:55,359 --> 00:50:52,999

oak ditch Acosta had the veining take

1174

00:50:57,219 --> 00:50:55,369

walks all day when his moods and an

1175

00:51:00,370 --> 00:50:57,229

tokens help us for the jefes the top of

1176  
00:51:02,440 --> 00:51:00,380  
a to nominee ever on Bautista veena talk

1177  
00:51:04,150 --> 00:51:02,450  
is did she happen organizatsiya not say

1178  
00:51:06,489 --> 00:51:04,160  
in the dirt and koala call lift is

1179  
00:51:08,499 --> 00:51:06,499  
filled in the public opini the

1180  
00:51:10,569 --> 00:51:08,509  
netherlands of iranian Kiki spreaker is

1181  
00:51:13,059 --> 00:51:10,579  
up correct the homeopath an on Toppa

1182  
00:51:16,269 --> 00:51:13,069  
sofa from e nanes in big deal okok teeth

1183  
00:51:18,609 --> 00:51:16,279  
practice ears popaganda the

1184  
00:51:20,890 --> 00:51:18,619  
organizatsiya the env kabhi yaad mein

1185  
00:51:23,529 --> 00:51:20,900  
ish analyst and come to laser in series

1186  
00:51:25,690 --> 00:51:23,539  
into it marked so of to canal a dotted

1187  
00:51:28,630 --> 00:51:25,700  
antoja vaccinia the doubt and tops

1188  
00:51:31,059 --> 00:51:28,640

taraval aids or money to vaccine era on

1189

00:51:33,099 --> 00:51:31,069

gotted active quack solver boat at four

1190

00:51:35,200 --> 00:51:33,109

bonds from days of rain Hebert's if the

1191

00:51:37,839 --> 00:51:35,210

jellyfish loader and the env kirby the

1192

00:51:40,029 --> 00:51:37,849

place to together for a meeting kitty

1193

00:51:42,940 --> 00:51:40,039

spreaker half to the cafe the city of

1194

00:51:44,759 --> 00:51:42,950

Phnom is eating from the skeptic zone so

1195

00:51:49,079 --> 00:51:44,769

that there's more information here and

1196

00:51:57,759 --> 00:51:49,089

there website of the dutch skeptics is

1197

00:51:59,320 --> 00:51:57,769

skip sis sk-ii p.s is dot NL and not NL

1198

00:52:03,580 --> 00:51:59,330

for netherlands and

1199

00:52:10,950 --> 00:52:03,590

the finished skeptics is at skeptics

1200

00:52:13,890 --> 00:52:10,960

capsis fi for Finland so they both gave

1201

00:52:16,780 --> 00:52:13,900

prizes similar similar to ours to

1202

00:52:18,430 --> 00:52:16,790

similar organization we did you have any

1203

00:52:20,620 --> 00:52:18,440

indication that they may have been

1204

00:52:23,020 --> 00:52:20,630

inspired by us or was not believed or

1205

00:52:24,970 --> 00:52:23,030

has done at least one of them was

1206

00:52:26,440 --> 00:52:24,980

definitely given before us okay because

1207

00:52:28,210 --> 00:52:26,450

we certainly didn't have any knowledge

1208

00:52:30,340 --> 00:52:28,220

of that this elders know that I'm

1209

00:52:32,020 --> 00:52:30,350

definitely not the we don't even have

1210

00:52:33,880 --> 00:52:32,030

anybody who speaks Finnish but you know

1211

00:52:36,340 --> 00:52:33,890

but no we didn't know we've been

1212

00:52:38,650 --> 00:52:36,350

obviously fighting against the avian

1213

00:52:41,350 --> 00:52:38,660

this year our year in da and their

1214

00:52:43,630 --> 00:52:41,360

decision to order to the avian was

1215

00:52:45,190 --> 00:52:43,640

unanimous I think it's I don't think

1216

00:52:47,350 --> 00:52:45,200

they knew about each other either it's

1217

00:52:49,330 --> 00:52:47,360

just I think maybe the time has come for

1218

00:52:51,010 --> 00:52:49,340

the anti-vaccination love you people

1219

00:52:52,900 --> 00:52:51,020

listening in the Netherlands please

1220

00:52:54,730 --> 00:52:52,910

contact your friends in Finland and

1221

00:52:56,280 --> 00:52:54,740

people in Finland please contact your

1222

00:52:58,720 --> 00:52:56,290

friends and the Netherlands get together

1223

00:53:00,970 --> 00:52:58,730

when will come and visit everybody just

1224

00:53:04,150 --> 00:53:00,980

send us the air and all of you contact

1225

00:53:07,390 --> 00:53:04,160

us up here on skeptics condo to you it's

1226

00:53:09,580 --> 00:53:07,400

time Rachel there on it's time really is

1227

00:53:11,260 --> 00:53:09,590

time do you think now yeah we do

1228

00:53:12,730 --> 00:53:11,270

listeners might remember at the

1229

00:53:15,880 --> 00:53:12,740

beginning of the year and one of our

1230

00:53:18,970 --> 00:53:15,890

very early episodes in January it was

1231

00:53:21,550 --> 00:53:18,980

Tiffany our good friend Tiffany day

1232

00:53:23,710 --> 00:53:21,560

Stefan the other co-host who comes on

1233

00:53:25,780 --> 00:53:23,720

sometimes yourself and myself we made

1234

00:53:28,270 --> 00:53:25,790

all these predictions for this year we

1235

00:53:29,980 --> 00:53:28,280

did Richard we did we did and as this

1236

00:53:31,960 --> 00:53:29,990

time of year we like to look back at our

1237

00:53:34,750 --> 00:53:31,970

predictions and see how we went when see

1238

00:53:37,780 --> 00:53:34,760

how we went well let's see now look can

1239

00:53:42,460 --> 00:53:37,790

I predict that you did at least as well

1240

00:53:44,770 --> 00:53:42,470

as professional um chocolate I'm psyche

1241

00:53:48,010 --> 00:53:44,780

well I was no you wouldn't get it was

1242

00:53:50,320 --> 00:53:48,020

going to use a pejorative yes I empty

1243

00:53:51,880 --> 00:53:50,330

nothing well I mean I'm not going to go

1244

00:53:56,980 --> 00:53:51,890

through them all but more or less we

1245

00:53:58,930 --> 00:53:56,990

made about 19 predictions and we are I

1246

00:54:00,370 --> 00:53:58,940

went through the other day and I googled

1247

00:54:01,750 --> 00:54:00,380

all the results and everything you know

1248

00:54:05,560 --> 00:54:01,760

they're all the big stories of the year

1249

00:54:08,380 --> 00:54:05,570

and we got about sixty six percent

1250

00:54:09,790 --> 00:54:08,390

correct we really did pretty me to give

1251

00:54:13,480 --> 00:54:09,800

a few examples of things that

1252

00:54:15,460 --> 00:54:13,490

yeah absolutely okay um President Obama

1253

00:54:17,230 --> 00:54:15,470

would have an embarrassing incident in

1254

00:54:19,210 --> 00:54:17,240

his first six months of office yes he

1255

00:54:21,490 --> 00:54:19,220

did he made a big gap on the jay leno

1256

00:54:23,890 --> 00:54:21,500

show about the special special olympics

1257

00:54:25,990 --> 00:54:23,900

that's right an earth-like planet would

1258

00:54:31,750 --> 00:54:26,000

be found well apparently there was one

1259

00:54:34,870 --> 00:54:31,760

founder GE li e se 58 1 d was found at

1260

00:54:36,850 --> 00:54:34,880

such an idea what what a sad thing that

1261

00:54:38,560 --> 00:54:36,860

came right Stefan predicted that six

1262

00:54:40,750 --> 00:54:38,570

people would be shot in the United

1263

00:54:43,360 --> 00:54:40,760

States but not in a mall sadly that

1264

00:54:46,210 --> 00:54:43,370

happened in march in silicon valley six

1265

00:54:48,040 --> 00:54:46,220

people were shot uh uh home went I

1266

00:54:50,980 --> 00:54:48,050

thought I think so I don't have all the

1267

00:54:54,070 --> 00:54:50,990

details but it happened which is not not

1268

00:54:56,440 --> 00:54:54,080

very happy um things like I think it was

1269

00:54:59,650 --> 00:54:56,450

Rachel said that Prince William would

1270

00:55:02,410 --> 00:54:59,660

shave his beard off well I don't

1271

00:55:04,240 --> 00:55:02,420

remember saying that you said it but you

1272

00:55:07,570 --> 00:55:04,250

also said that Kevin Rudd would have

1273

00:55:09,760 --> 00:55:07,580

more Twitter followers than Malcolm

1274

00:55:13,450 --> 00:55:09,770

Turnbull oh and was I right yeah by a

1275

00:55:16,030 --> 00:55:13,460

factor of about ten anak that's right

1276

00:55:19,270 --> 00:55:16,040

like money right only two points for

1277

00:55:21,820 --> 00:55:19,280

that or x 10 manufacturer of tenses a

1278

00:55:23,530 --> 00:55:21,830

factor of ten yeah quite quite a lot

1279

00:55:25,330 --> 00:55:23,540

substantially more and various other

1280

00:55:26,950 --> 00:55:25,340

things we got we got we got some wrong I

1281

00:55:29,740 --> 00:55:26,960

predicted the wrong team would win the

1282

00:55:31,810 --> 00:55:29,750

local football competition we got here

1283

00:55:33,520 --> 00:55:31,820

the Blue Mountains Panther would be seen

1284

00:55:36,100 --> 00:55:33,530

I don't remember any reports but not

1285

00:55:37,600 --> 00:55:36,110

found well it certainly wasn't fair so

1286

00:55:39,070 --> 00:55:37,610

does it have a bright for that I think

1287

00:55:41,080 --> 00:55:39,080

that was my prediction petrol prices

1288

00:55:42,820 --> 00:55:41,090

would go up well they went up they went

1289

00:55:44,800 --> 00:55:42,830

down they sort of went up the last

1290

00:55:47,260 --> 00:55:44,810

prediction we made is we would do better

1291

00:55:50,850 --> 00:55:47,270

than the professional psychics oh now

1292

00:55:53,610 --> 00:55:50,860

Rachel what do you have there from a

1293

00:55:58,030 --> 00:55:53,620

printout from the following magazine

1294

00:55:59,770 --> 00:55:58,040

2009 Australian psychic directory oh yes

1295

00:56:02,020 --> 00:55:59,780

this was published probably in December

1296

00:56:04,750 --> 00:56:02,030

last year and it's got what it what is

1297

00:56:09,010 --> 00:56:04,760

it Rachel their best predictions it's

1298

00:56:10,750 --> 00:56:09,020

got the top 40 predictions for 2009 from

1299

00:56:12,510 --> 00:56:10,760

members of the Australian psychics

1300

00:56:14,590 --> 00:56:12,520

Association

1301  
00:56:17,020 --> 00:56:14,600  
so they've got a number of categories

1302  
00:56:18,160 --> 00:56:17,030  
which they've all addressed and we're

1303  
00:56:21,310 --> 00:56:18,170  
going to go through some of them and

1304  
00:56:22,540 --> 00:56:21,320  
just see how they went for 2009 we have

1305  
00:56:25,599 --> 00:56:22,550  
to say there are a few more weeks

1306  
00:56:27,970 --> 00:56:25,609  
remaining Richard there are so it's not

1307  
00:56:30,099 --> 00:56:27,980  
quite the end yet but um I think we're

1308  
00:56:31,930 --> 00:56:30,109  
pretty some pretty safe yeah we've

1309  
00:56:33,700 --> 00:56:31,940  
already been through it so I don't know

1310  
00:56:35,830 --> 00:56:33,710  
that they can pull themselves out of the

1311  
00:56:38,099 --> 00:56:35,840  
hole but let's have a look at some of

1312  
00:56:40,630 --> 00:56:38,109  
the celebrity predictions that they made

1313  
00:56:42,520 --> 00:56:40,640

they said one of them said that George

1314

00:56:45,250 --> 00:56:42,530

Clooney would find his true love by the

1315

00:56:49,030 --> 00:56:45,260

end of 2009 and we'll finally commit to

1316

00:56:51,250 --> 00:56:49,040

a long-term relationship anyway I knew

1317

00:56:53,800 --> 00:56:51,260

that happened I don't follow this kind

1318

00:56:58,870 --> 00:56:53,810

of gossip at uh no it didn't happen a

1319

00:57:01,359 --> 00:56:58,880

bow the second one is that Nicole Kidman

1320

00:57:04,540 --> 00:57:01,369

will adopt a male child and it may be of

1321

00:57:06,370 --> 00:57:04,550

Aboriginal descent and a royal romance

1322

00:57:08,740 --> 00:57:06,380

will be connected to her but there will

1323

00:57:10,330 --> 00:57:08,750

be no truth behind it she will be

1324

00:57:12,460 --> 00:57:10,340

featured in Australian airline

1325

00:57:15,609 --> 00:57:12,470

advertising and will change image for a

1326

00:57:18,130 --> 00:57:15,619

short time to short that sport very dark

1327

00:57:20,380 --> 00:57:18,140

hair well that must have happened very

1328

00:57:23,109 --> 00:57:20,390

quickly because I miss them well that's

1329

00:57:26,530 --> 00:57:23,119

about three or four in there in any of

1330

00:57:31,859 --> 00:57:26,540

them not ringing a bell no no no a bow

1331

00:57:34,330 --> 00:57:31,869

fail there's one here about pink

1332

00:57:37,320 --> 00:57:34,340

bringing a pink yeah she will get into

1333

00:57:39,400 --> 00:57:37,330

trouble with the French paparazzi uh

1334

00:57:42,310 --> 00:57:39,410

show you got in trouble with somebody

1335

00:57:44,500 --> 00:57:42,320

but not what I think so yes Father she

1336

00:57:47,410 --> 00:57:44,510

will also be involved in a funny epic

1337

00:57:54,180 --> 00:57:47,420

movie around october november 2009 with

1338

00:58:01,000 --> 00:57:58,150

fail um however there's one which is a

1339

00:58:03,849 --> 00:58:01,010

hit they say pink may also be in a

1340

00:58:05,700 --> 00:58:03,859

mobile phone promotion now she was

1341

00:58:08,950 --> 00:58:05,710

actually in a month notice the meishan

1342

00:58:10,660 --> 00:58:08,960

that's true may also and as i say

1343

00:58:12,340 --> 00:58:10,670

instead of the movie it might be a

1344

00:58:14,530 --> 00:58:12,350

mobile phone promotion so we're going to

1345

00:58:16,150 --> 00:58:14,540

you know put 10 by the way we'll put it

1346

00:58:18,700 --> 00:58:16,160

so we got to pay that because she was

1347

00:58:20,620 --> 00:58:18,710

doing ads for optus in Australia okay in

1348

00:58:23,710 --> 00:58:20,630

conjunction with her world tour so she

1349

00:58:26,080 --> 00:58:23,720

did do that they also say that she will

1350

00:58:28,660 --> 00:58:26,090

be purchasing a holiday home in Sydney

1351

00:58:31,660 --> 00:58:28,670

and there is a baby for her in September

1352

00:58:33,790 --> 00:58:31,670

2010 oh well wow thanks to you we can't

1353

00:58:36,850 --> 00:58:33,800

pay that as you didn't buy a house in

1354

00:58:40,980 --> 00:58:36,860

Sydney so that's a fail that's left

1355

00:58:46,720 --> 00:58:43,000

politics let's have a look at politics

1356

00:58:48,250 --> 00:58:46,730

shall we um now for Kevin Rudd who is

1357

00:58:52,240 --> 00:58:48,260

our new prime minister although it's not

1358

00:58:53,860 --> 00:58:52,250

that many more ideas do you um this is

1359

00:58:56,080 --> 00:58:53,870

quite a long one but i'll just use I'm

1360

00:58:57,910 --> 00:58:56,090

just quite the one none of it was right

1361

00:59:00,250 --> 00:58:57,920

by the way but here's a one that says if

1362

00:59:02,350 --> 00:59:00,260

he falls victim to a scandal he will

1363

00:59:03,970 --> 00:59:02,360

voluntarily withdraw into the background

1364

00:59:07,780 --> 00:59:03,980

and become more powerful than he was

1365

00:59:09,760 --> 00:59:07,790

before did he won't even mean well I

1366

00:59:11,500 --> 00:59:09,770

don't know this is from shady Montford

1367

00:59:13,390 --> 00:59:11,510

what does anything she say mean not

1368

00:59:16,060 --> 00:59:13,400

really but the point is of dynamin no I

1369

00:59:18,580 --> 00:59:16,070

open it didn't happen yeah um there's

1370

00:59:21,100 --> 00:59:18,590

one here from Simon Turnbull he said I

1371

00:59:23,920 --> 00:59:21,110

delightfully that Pakistan is likely to

1372

00:59:25,840 --> 00:59:23,930

be forced into reading itself extremists

1373

00:59:28,270 --> 00:59:25,850

rather than allowing the military to

1374

00:59:29,890 --> 00:59:28,280

foster them as they realize that India

1375

00:59:31,660 --> 00:59:29,900

and the USA will become less and less

1376

00:59:33,270 --> 00:59:31,670

tolerant of underground aggressive

1377

00:59:35,350 --> 00:59:33,280

behavior towards India and Afghanistan

1378

00:59:38,710 --> 00:59:35,360

that sort of prediction he was already

1379

00:59:39,700 --> 00:59:38,720

happy already happening you sleep for

1380

00:59:42,250 --> 00:59:39,710

that you know it's been happening for

1381

00:59:44,170 --> 00:59:42,260

like three years what is a prediction

1382

00:59:46,180 --> 00:59:44,180

here yeah but in any case it hasn't

1383

00:59:47,440 --> 00:59:46,190

changed to drugs 30 so he's probably

1384

00:59:49,450 --> 00:59:47,450

wrong in the sense that there's no

1385

00:59:51,010 --> 00:59:49,460

there's been no change at all there no

1386

00:59:53,730 --> 00:59:51,020

it's not like they've been doing any

1387

00:59:55,930 --> 00:59:53,740

better probably doing a bit worse

1388

01:00:00,340 --> 00:59:55,940

because the Taliban has been making

1389

01:00:04,090 --> 01:00:00,350

inroads into into Pakistan yeah so

1390

01:00:07,540 --> 01:00:04,100

that's a fail hmm what's a more notable

1391

01:00:10,450 --> 01:00:07,550

fail sir do you remember any he failed

1392

01:00:13,150 --> 01:00:10,460

to predict inspector well there's one

1393

01:00:14,830 --> 01:00:13,160

about Oprah that says she's going to be

1394

01:00:16,990 --> 01:00:14,840

getting more involved in politics and

1395

01:00:19,600 --> 01:00:17,000

could rise in ranks herself in the

1396

01:00:21,430 --> 01:00:19,610

political arena in years to come and

1397

01:00:25,750 --> 01:00:21,440

think so I'm gonna happen before 2012

1398

01:00:27,550 --> 01:00:25,760

another one here political a well-known

1399

01:00:31,240 --> 01:00:27,560

political leader in China will be

1400

01:00:33,040 --> 01:00:31,250

assassinated proper yeah I don't think

1401

01:00:34,660 --> 01:00:33,050

so now i have to mention this one this

1402

01:00:37,030 --> 01:00:34,670

one actually got a half a point because

1403

01:00:38,680 --> 01:00:37,040

we have a TV celebrity here called Rove

1404

01:00:39,570 --> 01:00:38,690

he doesn't sort of variety show on

1405

01:00:42,370 --> 01:00:39,580

sunday night

1406

01:00:44,170 --> 01:00:42,380

and this person here said that a

1407

01:00:46,480 --> 01:00:44,180

marriage will be announced for Rome in

1408

01:00:49,630 --> 01:00:46,490

March now I couldn't find whether that

1409

01:00:52,420 --> 01:00:49,640

was true or not but the ceremony will be

1410

01:00:54,520 --> 01:00:52,430

taking place near a beach now he was on

1411

01:00:56,260 --> 01:00:54,530

a beach it was on a beach they say near

1412

01:01:00,790 --> 01:00:56,270

a beach but you have to give him halfway

1413

01:01:04,870 --> 01:01:00,800

well they have done so poorly make a

1414

01:01:08,110 --> 01:01:04,880

bone half a point here's another one

1415

01:01:10,120 --> 01:01:08,120

assassination attempt on the Pope 90 of

1416

01:01:12,130 --> 01:01:10,130

a UFO sighting will be seen by hundreds

1417

01:01:14,050 --> 01:01:12,140

of stray lien's supper here's another

1418

01:01:16,420 --> 01:01:14,060

one from Chez de Montford the list it

1419

01:01:18,910 --> 01:01:16,430

makes sense this time a ground swell in

1420

01:01:26,980 --> 01:01:18,920

alternative fuels results in a reshaping

1421

01:01:28,330 --> 01:01:26,990

of two economies what two economies what

1422

01:01:30,130 --> 01:01:28,340

does it mean but there was no ground

1423

01:01:32,020 --> 01:01:30,140

swelling alternative fuel it was this

1424

01:01:34,750 --> 01:01:32,030

two economies mean is she talking town

1425

01:01:36,580 --> 01:01:34,760

city state country region I don't know

1426

01:01:38,260 --> 01:01:36,590

Richard you explain what this means that

1427

01:01:40,960 --> 01:01:38,270

she said it's your girlfriend you say

1428

01:01:42,610 --> 01:01:40,970

you tell I don't know Oh where's the

1429

01:01:45,880 --> 01:01:42,620

other bit that she said that made no

1430

01:01:48,040 --> 01:01:45,890

sense at all oh here we go here we go

1431

01:01:52,540 --> 01:01:48,050

look for this part ways change no no I

1432

01:01:54,280 --> 01:01:52,550

am this this is whether from chez it

1433

01:01:56,530 --> 01:01:54,290

says we are heading into a global

1434

01:02:00,790 --> 01:01:56,540

cooling period not a global warming

1435

01:02:02,830 --> 01:02:00,800

period okay I'm not finished yet harsh

1436

01:02:05,140 --> 01:02:02,840

winter and strong storms will further

1437

01:02:07,330 --> 01:02:05,150

lash the economy for two more years the

1438

01:02:09,340 --> 01:02:07,340

cooling will advance for eight years to

1439

01:02:13,630 --> 01:02:09,350

bring it to halfway through its 20-year

1440

01:02:16,180 --> 01:02:13,640

cycle watch the bees and frogs the

1441

01:02:17,890 --> 01:02:16,190

sunspots go quiet store water for more

1442

01:02:21,910 --> 01:02:17,900

droughts each home should get its own

1443

01:02:23,320 --> 01:02:21,920

tank now well the storm this the first

1444

01:02:25,750 --> 01:02:23,330

of all a few of these things just don't

1445

01:02:29,290 --> 01:02:25,760

make any sense at all the winter was the

1446

01:02:31,360 --> 01:02:29,300

mildest we've had in years um the summer

1447

01:02:33,670 --> 01:02:31,370

harsh winter no we didn't have a harsh

1448

01:02:36,610 --> 01:02:33,680

winter the sun spots were already very

1449

01:02:38,770 --> 01:02:36,620

very quiet at the end of 2009 and there

1450

01:02:41,020 --> 01:02:38,780

was already a lengthy period of no

1451

01:02:43,120 --> 01:02:41,030

sunspots at all but we need time yes

1452

01:02:44,770 --> 01:02:43,130

it's not it's not a prediction it

1453

01:02:45,850 --> 01:02:44,780

basically it's all selection she was

1454

01:02:48,270 --> 01:02:45,860

actually announcing something was

1455

01:02:51,370 --> 01:02:48,280

already happening the droughts well

1456

01:02:52,839 --> 01:02:51,380

we've been in a drought for since 2000

1457

01:02:55,630 --> 01:02:52,849

so I mean kind of a

1458

01:02:57,999 --> 01:02:55,640

again it's not exactly a prediction to

1459

01:02:59,469 --> 01:02:58,009

say this is going to be a drought yeah

1460

01:03:03,609 --> 01:02:59,479

but what about watching the bees and

1461

01:03:05,680 --> 01:03:03,619

frogs Iran whatever hmm is that just to

1462

01:03:08,109 --> 01:03:05,690

calm you down or are they going to be

1463

01:03:09,400 --> 01:03:08,119

wrong I mean I tried to suggest to

1464

01:03:11,109 --> 01:03:09,410

Richard when we were discussing this the

1465

01:03:13,089 --> 01:03:11,119

other night that she was inferring the

1466

01:03:14,920 --> 01:03:13,099

column colony collapse that's happening

1467

01:03:17,289 --> 01:03:14,930

with the bees but he said that was too

1468

01:03:20,680 --> 01:03:17,299

much of a stretch did watch the bees and

1469

01:03:22,690 --> 01:03:20,690

frogs images to say that she knows what

1470

01:03:27,549 --> 01:03:22,700

she's talking about here is too much of

1471

01:03:30,940 --> 01:03:27,559

it to try so try to try to try to

1472

01:03:33,309 --> 01:03:30,950

extract some meaning without being

1473

01:03:35,289 --> 01:03:33,319

somehow connected to the brilliant mind

1474

01:03:36,969 --> 01:03:35,299

that is shade oh no this is a great one

1475

01:03:39,999 --> 01:03:36,979

from shady this one's great in fact

1476  
01:03:41,710 --> 01:03:40,009  
Richard asked Desiree shell about this

1477  
01:03:44,289 --> 01:03:41,720  
on skype the other night because she

1478  
01:03:45,910 --> 01:03:44,299  
says that Russia will again engage in

1479  
01:03:48,519 --> 01:03:45,920  
throwing its weight around and will look

1480  
01:03:51,849 --> 01:03:48,529  
to Alaska a tense and nervous situation

1481  
01:03:54,160 --> 01:03:51,859  
willin to that hasn't happened but what

1482  
01:03:58,599 --> 01:03:54,170  
we know is that the governor governor of

1483  
01:03:59,950 --> 01:03:58,609  
alaska was definitely looking at them he

1484  
01:04:01,870 --> 01:03:59,960  
could see Russia out of her kitchen

1485  
01:04:04,509 --> 01:04:01,880  
window can I see Sarah pie maybe she

1486  
01:04:06,910 --> 01:04:04,519  
could see that the frogs and the baby

1487  
01:04:09,219 --> 01:04:06,920  
too yes but what was the one Richard

1488  
01:04:11,499 --> 01:04:09,229

will that shea said about you must just

1489

01:04:13,150 --> 01:04:11,509

feel the goodness of the nature I was

1490

01:04:14,950 --> 01:04:13,160

that was that shad I can't move that

1491

01:04:17,200 --> 01:04:14,960

will show you somebody somebody mowed

1492

01:04:20,589 --> 01:04:17,210

did it make sense no I know he would say

1493

01:04:21,999 --> 01:04:20,599

it made absolutely somebody said oh here

1494

01:04:25,059 --> 01:04:22,009

we go no it's not shame but this one

1495

01:04:28,089 --> 01:04:25,069

says in part each of us needs to be

1496

01:04:31,359 --> 01:04:28,099

connected to nature for 2009 to feel at

1497

01:04:33,339 --> 01:04:31,369

peace so there we go 40 predictions

1498

01:04:35,049 --> 01:04:33,349

probably some okra says some predictions

1499

01:04:37,089 --> 01:04:35,059

which have multiple prediction some of

1500

01:04:38,739 --> 01:04:37,099

actions that are not prediction some

1501

01:04:41,200 --> 01:04:38,749

predictions are not predictions but our

1502

01:04:44,229 --> 01:04:41,210

best research could find that they got

1503

01:04:46,479 --> 01:04:44,239

roughly ten percent right and that's

1504

01:04:49,719 --> 01:04:46,489

being generous with some mum it was bad

1505

01:04:53,799 --> 01:04:49,729

yeah so this gives a I'm gonna you know

1506

01:04:55,959 --> 01:04:53,809

how you know the if you bet on horse as

1507

01:04:58,180 --> 01:04:55,969

you get prizes for the first three

1508

01:05:00,940 --> 01:04:58,190

horses in certain combinations but you

1509

01:05:02,440 --> 01:05:00,950

also get because it's so unlikely that

1510

01:05:04,239 --> 01:05:02,450

you'll get the last one you also get

1511

01:05:06,130 --> 01:05:04,249

something for the last one oh yeah i

1512

01:05:11,200 --> 01:05:06,140

would say they've beaten chance

1513

01:05:13,569 --> 01:05:11,210

so magnificent by only gonna take they

1514

01:05:14,950 --> 01:05:13,579

should get a bed spoon oh sorry i

1515

01:05:17,170 --> 01:05:14,960

wouldn'ta wouldn't fit well together

1516

01:05:18,849 --> 01:05:17,180

with this way because tempered how can

1517

01:05:20,559 --> 01:05:18,859

you get ten percent I mean it requires a

1518

01:05:23,079 --> 01:05:20,569

special effort I mean if you just make

1519

01:05:25,029 --> 01:05:23,089

predictions that make sense you will get

1520

01:05:26,470 --> 01:05:25,039

the desolation Iran because that

1521

01:05:29,230 --> 01:05:26,480

somebody's are saying you must be more

1522

01:05:30,910 --> 01:05:29,240

in connection with nature and trees well

1523

01:05:33,160 --> 01:05:30,920

you must watch another prettiest watch

1524

01:05:34,660 --> 01:05:33,170

the frogs and these like Hello they're

1525

01:05:36,970 --> 01:05:34,670

not making predictions it makes sense

1526

01:05:38,920 --> 01:05:36,980

and they're not predictions and most of

1527

01:05:42,910 --> 01:05:38,930

the ones that they do predict which you

1528

01:05:45,460 --> 01:05:42,920

can actually just look wrong so the

1529

01:05:47,319 --> 01:05:45,470

skeptics got roughly sixty six percent

1530

01:05:49,509 --> 01:05:47,329

right now predictions the psychics ten

1531

01:05:51,519 --> 01:05:49,519

percent so the sixty-six percent love

1532

01:05:54,099 --> 01:05:51,529

include that last prediction that yes

1533

01:05:55,690 --> 01:05:54,109

yes last prediction was that we

1534

01:05:59,470 --> 01:05:55,700

predicted we'd be do better than the

1535

01:06:01,720 --> 01:05:59,480

psychic okay so there were some major

1536

01:06:05,620 --> 01:06:01,730

events that happened in 2009 Richard

1537

01:06:07,329 --> 01:06:05,630

that we thought we should um oh here it

1538

01:06:10,059 --> 01:06:07,339

is yes that some of the things that they

1539

01:06:12,220 --> 01:06:10,069

obviously missed a big event for us you

1540

01:06:13,990 --> 01:06:12,230

would expect if you had our capability

1541

01:06:15,999 --> 01:06:14,000

but I mean but you think is you're

1542

01:06:17,349 --> 01:06:16,009

focusing on little things ok I'll let

1543

01:06:20,740 --> 01:06:17,359

you tell you go with that first before I

1544

01:06:22,359 --> 01:06:20,750

make my comment all right now these are

1545

01:06:24,130 --> 01:06:22,369

the things that we expected to see in

1546

01:06:27,910 --> 01:06:24,140

the pages of the psychic directory to

1547

01:06:30,370 --> 01:06:27,920

warn us all for the the year 2009 the

1548

01:06:32,589 --> 01:06:30,380

first and foremost would probably be

1549

01:06:34,900 --> 01:06:32,599

Black Saturday in Australia which is one

1550

01:06:37,329 --> 01:06:34,910

of the worst natural bush fires in

1551  
01:06:39,279 --> 01:06:37,339  
Australia's history hundreds hundreds of

1552  
01:06:41,370 --> 01:06:39,289  
people dead count on the surrounding

1553  
01:06:44,499 --> 01:06:41,380  
towns wiped off the face of the map

1554  
01:06:47,109 --> 01:06:44,509  
natural disaster beyond belief horrible

1555  
01:06:49,990 --> 01:06:47,119  
Thank psychics for warning us all the

1556  
01:06:52,109 --> 01:06:50,000  
tsunami that happened in Samoa Thank You

1557  
01:06:55,089 --> 01:06:52,119  
psychics for warning us all about that

1558  
01:06:56,650 --> 01:06:55,099  
Nathan Rees out the former premier who

1559  
01:06:58,359 --> 01:06:56,660  
has just dumped the other day and

1560  
01:07:00,099 --> 01:06:58,369  
Malcolm Turnbull the leader of the

1561  
01:07:03,910 --> 01:07:00,109  
Opposition federally who has just dumped

1562  
01:07:05,499 --> 01:07:03,920  
the other week hello psychics nope all

1563  
01:07:06,819 --> 01:07:05,509

right no they all they said was Kevin

1564

01:07:08,950 --> 01:07:06,829

Mike we get into trouble they didn't

1565

01:07:11,410 --> 01:07:08,960

mention wrong yea though I have to say

1566

01:07:13,240 --> 01:07:11,420

here that there was a prediction saying

1567

01:07:15,009 --> 01:07:13,250

that a blonde woman in Australia will be

1568

01:07:16,599 --> 01:07:15,019

moving up the ranks in politics and we

1569

01:07:19,330 --> 01:07:16,609

had to give them a point for that we did

1570

01:07:23,860 --> 01:07:19,340

hear other algebraic

1571

01:07:28,570 --> 01:07:23,870

really yeah yeah sorta yeah externally

1572

01:07:30,760 --> 01:07:28,580

but also also Bronwyn Bishop has made a

1573

01:07:34,200 --> 01:07:30,770

return to the front the shadow tell you

1574

01:07:36,460 --> 01:07:34,210

it's goin all right continuous I agree

1575

01:07:37,990 --> 01:07:36,470

Australians received most Australians

1576

01:07:39,580 --> 01:07:38,000

received nine hundred dollars here from

1577

01:07:41,560 --> 01:07:39,590

the government as part of the stimulus

1578

01:07:43,630 --> 01:07:41,570

package good at me I think that's a big

1579

01:07:45,210 --> 01:07:43,640

deal that I would like to have been told

1580

01:07:48,100 --> 01:07:45,220

about so i can find my budget yeah

1581

01:07:51,220 --> 01:07:48,110

barack obama wins the nobel peace prize

1582

01:07:52,300 --> 01:07:51,230

nobody saw that coming nobody suspect

1583

01:07:54,670 --> 01:07:52,310

the psychics what i was saying you

1584

01:07:57,250 --> 01:07:54,680

wouldn't expect man no psychics warned

1585

01:08:00,400 --> 01:07:57,260

the poor people in the jakarta hotel

1586

01:08:03,370 --> 01:08:00,410

about the bombing eight dead or the

1587

01:08:05,770 --> 01:08:03,380

various bombs in your in baghdad of

1588

01:08:07,480 --> 01:08:05,780

course that happen quite often alexandra

1589

01:08:08,920 --> 01:08:07,490

21 dead just the other just the other

1590

01:08:10,660 --> 01:08:08,930

day they would have picked that because

1591

01:08:12,430 --> 01:08:10,670

that's a bit like the one here that said

1592

01:08:15,250 --> 01:08:12,440

Pakistan will get rid of the extra yes

1593

01:08:16,420 --> 01:08:15,260

yeah hbu no car bombs in in Baghdad

1594

01:08:18,280 --> 01:08:16,430

would be feel like you would expect

1595

01:08:19,590 --> 01:08:18,290

something like that at least at least

1596

01:08:22,599 --> 01:08:19,600

they could tell them when and where

1597

01:08:24,880 --> 01:08:22,609

there's been a big influx influx of

1598

01:08:27,430 --> 01:08:24,890

refugees heading for Australia this year

1599

01:08:29,800 --> 01:08:27,440

there was water found on the moon they

1600

01:08:33,760 --> 01:08:29,810

didn't mention that no Michael Jackson

1601

01:08:35,770 --> 01:08:33,770

died which rebecca watson predict

1602

01:08:39,099 --> 01:08:35,780

rebecca watson predicted that last year

1603

01:08:40,720 --> 01:08:39,109

on s yeah but nowhere in this psychic

1604

01:08:42,670 --> 01:08:40,730

directory of Australia's top psychics

1605

01:08:45,130 --> 01:08:42,680

did anyone predict don't lean a psychic

1606

01:08:48,340 --> 01:08:45,140

as rebecca watson major health reforms

1607

01:08:50,140 --> 01:08:48,350

in the United States a media over

1608

01:08:53,440 --> 01:08:50,150

Indonesia which exploded up in the

1609

01:08:56,200 --> 01:08:53,450

atmosphere that was quite something the

1610

01:08:57,579 --> 01:08:56,210

chaser TV show in here in Australia was

1611

01:09:00,790 --> 01:08:57,589

taken off the air for a couple of weeks

1612

01:09:02,740 --> 01:09:00,800

for outrageous comments the hey hey it's

1613

01:09:05,920 --> 01:09:02,750

saturday show made a big comeback but

1614

01:09:07,630 --> 01:09:05,930

caused huge controversy with their one

1615

01:09:09,310 --> 01:09:07,640

of their routines with the people in

1616

01:09:13,570 --> 01:09:09,320

blackface so that can white mean strike

1617

01:09:16,690 --> 01:09:13,580

and white minstrels and last Tiger Woods

1618

01:09:19,210 --> 01:09:16,700

oh they didn't get that one now we

1619

01:09:20,860 --> 01:09:19,220

probably miss some you know I'm sure we

1620

01:09:23,470 --> 01:09:20,870

do but I think I what I wanted to say

1621

01:09:25,180 --> 01:09:23,480

earlier was that you see you're focusing

1622

01:09:26,829 --> 01:09:25,190

on all these things and they're all okay

1623

01:09:28,960 --> 01:09:26,839

they're prominent and all that but

1624

01:09:30,640 --> 01:09:28,970

they're not nearly as important as being

1625

01:09:32,280 --> 01:09:30,650

in touch with nature and watching the

1626

01:09:35,110 --> 01:09:32,290

fava beans

1627

01:09:36,579 --> 01:09:35,120

of course what was i thinking wasn't the

1628

01:09:39,430 --> 01:09:36,589

one in here Richard about there will be

1629

01:09:41,559 --> 01:09:39,440

tremors down there wesco yes America

1630

01:09:43,329 --> 01:09:41,569

there is one there somewhere tremors on

1631

01:09:45,670 --> 01:09:43,339

the west coast of America is that

1632

01:09:47,650 --> 01:09:45,680

happening I think it's here now that

1633

01:09:49,900 --> 01:09:47,660

that couldn't that couldn't be true no I

1634

01:09:51,400 --> 01:09:49,910

know I was here so much it's there

1635

01:09:57,820 --> 01:09:51,410

somewhere they predict that it will call

1636

01:09:59,170 --> 01:09:57,830

the Sun address fault that's why we can

1637

01:10:01,630 --> 01:09:59,180

be very that's what we call him

1638

01:10:03,280 --> 01:10:01,640

Australia duh I wish I could find it was

1639

01:10:05,640 --> 01:10:03,290

hilarious last night when I was laughing

1640

01:10:08,800 --> 01:10:05,650

at it this is another really obvious one

1641

01:10:10,060 --> 01:10:08,810

you know a no-brainer Obama will bring

1642

01:10:11,740 --> 01:10:10,070

about the breakdown of a lot of

1643

01:10:14,950 --> 01:10:11,750

America's old attitudes and rigid

1644

01:10:16,870 --> 01:10:14,960

structures ! he will be effective in

1645

01:10:18,670 --> 01:10:16,880

bringing about massive changes globally

1646

01:10:21,729 --> 01:10:18,680

and will be instrumental in helping Iraq

1647

01:10:24,780 --> 01:10:21,739

to become an independent country that's

1648

01:10:28,720 --> 01:10:24,790

like the San Andreas Fault Line isn't it

1649

01:10:30,160 --> 01:10:28,730

it's just it's just embarrassing but at

1650

01:10:32,380 --> 01:10:30,170

the beginning of this article they talk

1651  
01:10:34,420 --> 01:10:32,390  
about the previous year's predictions

1652  
01:10:35,920 --> 01:10:34,430  
and talk about the hits they got so

1653  
01:10:39,370 --> 01:10:35,930  
we're going to hang on to this rich in

1654  
01:10:40,900 --> 01:10:39,380  
and at the beginning of 210 I want to

1655  
01:10:43,300 --> 01:10:40,910  
see what they claim they got right

1656  
01:10:45,250 --> 01:10:43,310  
compared to what we say they got right

1657  
01:10:47,470 --> 01:10:45,260  
I'd be interested to see what they say

1658  
01:10:49,720 --> 01:10:47,480  
in the 2010 we just do it yeah that'll

1659  
01:10:52,180 --> 01:10:49,730  
be out soon actually it should be it'll

1660  
01:10:55,570 --> 01:10:52,190  
be out soon well well done psychics I

1661  
01:10:57,970 --> 01:10:55,580  
predict I predict you get the booby

1662  
01:10:59,320 --> 01:10:57,980  
prize I predict and I predicted this at

1663  
01:11:02,020 --> 01:10:59,330

the beginning of the year the next week

1664

01:11:04,090 --> 01:11:02,030

will be another skeptic zone did you put

1665

01:11:06,580 --> 01:11:04,100

it don't dude I need an every week this

1666

01:11:08,709 --> 01:11:06,590

year there has been a skeptic sir hmm

1667

01:11:11,080 --> 01:11:08,719

which is that's okay that's still a hit

1668

01:11:13,900 --> 01:11:11,090

yeah t I got it right because next week

1669

01:11:17,200 --> 01:11:13,910

hasn't happened yet who hasn't happened

1670

01:11:18,970 --> 01:11:17,210

I'd like to think dr. Rachel done up for

1671

01:11:20,680 --> 01:11:18,980

being with us tonight in the think tank

1672

01:11:24,040 --> 01:11:20,690

thank you Richard I love this segment of

1673

01:11:26,410 --> 01:11:24,050

the show it's so much fun thank you once

1674

01:11:28,150 --> 01:11:26,420

again thank you written it's great to

1675

01:11:31,180 --> 01:11:28,160

hear from our friends and colleagues in

1676

01:11:33,370 --> 01:11:31,190

Finland and the Netherlands and until

1677

01:11:35,979 --> 01:11:33,380

next time on the think tank which might

1678

01:11:37,900 --> 01:11:35,989

be a good few weeks away because though

1679

01:11:40,340 --> 01:11:37,910

we're having a little bit of a a summer

1680

01:11:42,980 --> 01:11:40,350

series coming up or winter series of

1681

01:12:05,540 --> 01:11:42,990

in North America it's goodbye from the

1682

01:12:08,360 --> 01:12:05,550

think tank glasses this is desiree shell

1683

01:12:10,340 --> 01:12:08,370

hosted skeptically speaking check out

1684

01:12:13,760 --> 01:12:10,350

our website at skeptically speaking calm

1685

01:12:17,960 --> 01:12:13,770

and listen to us live on CJ sr 88.5 FM

1686

01:12:25,200 --> 01:12:17,970

in Edmonton Alberta Canada I now return

1687

01:12:38,330 --> 01:12:33,490

you

1688

01:12:40,760 --> 01:12:38,340

zone now don't forget everybody we're

1689

01:12:43,520 --> 01:12:40,770

busily getting ready for Tam Australia I

1690

01:12:45,950 --> 01:12:43,530

know it's almost a year away but that

1691

01:12:48,980 --> 01:12:45,960

year will go quick I'm sure and you can

1692

01:12:51,230 --> 01:12:48,990

help us by helping the skeptics guide to

1693

01:12:53,750 --> 01:12:51,240

the universe all five of them are coming

1694

01:12:55,040 --> 01:12:53,760

out for the tam Australia and I think

1695

01:12:58,850 --> 01:12:55,050

they need your help we need your help

1696

01:13:01,190 --> 01:12:58,860

run over to the SGU website and find the

1697

01:13:04,100 --> 01:13:01,200

donate button and help get them to

1698

01:13:06,590 --> 01:13:04,110

australia until next week this is

1699

01:13:11,960 --> 01:13:06,600

Richard Saunders signing off from Sydney

1700

01:13:16,220 --> 01:13:11,970

Australia you've been listening to the

1701

01:13:19,490 --> 01:13:16,230

skeptic zone visit our website at wwc a

1702

01:13:23,440 --> 01:13:19,500

petting zoo TV for comments contacts and