

The Skeptic Zone
Show 292 - 25 May 2014



Jo Alabaster

1
00:00:07,070 --> 00:00:03,649
hey guys Jay novela here simple question

2
00:00:08,960 --> 00:00:07,080
where will you be this November because

3
00:00:10,700 --> 00:00:08,970
I know I'm going to be at the Australian

4
00:00:12,290 --> 00:00:10,710
skeptics national convention in Sydney

5
00:00:13,669 --> 00:00:12,300
and so will all the rest of us from the

6
00:00:16,760 --> 00:00:13,679
skeptics guide to the universe including

7
00:00:18,950 --> 00:00:16,770
George Rob and Dick Smith and dr. Karl

8
00:00:21,950 --> 00:00:18,960
and dr. Reggie and lots of other awesome

9
00:00:24,080 --> 00:00:21,960
people why aren't you going did you not

10
00:00:25,670 --> 00:00:24,090
sign up yet get on there and sign up

11
00:00:27,650 --> 00:00:25,680
this is going to be some epic stuff here

12
00:00:38,119 --> 00:00:27,660
you don't want to miss it go to skeptics

13
00:00:40,549 --> 00:00:38,129

com au forward slash convention welcome

14

00:00:53,430 --> 00:00:40,559

to the skeptic zone the pub caused from

15

00:01:04,180 --> 00:00:56,320

hello and welcome to the skeptic zone

16

00:01:07,600 --> 00:01:04,190

episode number 292 292 300 is not so far

17

00:01:09,460 --> 00:01:07,610

away for the 25th of May 2014 Richard

18

00:01:12,190 --> 00:01:09,470

Saunders here with you from Sydney

19

00:01:13,990 --> 00:01:12,200

Australia what's coming up on this

20

00:01:17,680 --> 00:01:14,000

week's episode we're going to kick off

21

00:01:19,300 --> 00:01:17,690

with a little bit from just last night

22

00:01:21,010 --> 00:01:19,310

here in Sydney we had the Australian

23

00:01:24,969 --> 00:01:21,020

skeptics dinner we have them four times

24

00:01:27,249 --> 00:01:24,979

a year lovely buffet dinner with what

25

00:01:31,270 --> 00:01:27,259

did we have we had curried prawns and we

26

00:01:34,210 --> 00:01:31,280

had sort of ricin and Asian noodle type

27

00:01:37,719 --> 00:01:34,220

dish and our beef and ham and vegetables

28

00:01:39,249 --> 00:01:37,729

and dumb thanks Lee I think I better

29

00:01:41,590 --> 00:01:39,259

start running downstairs for the fridge

30

00:01:43,540 --> 00:01:41,600

straight away we had a really great

31

00:01:47,320 --> 00:01:43,550

night know a good crowd turned up to

32

00:01:50,440 --> 00:01:47,330

hear dr. Cameron Webb talk about blood

33

00:01:53,139 --> 00:01:50,450

sucking insects and mosquitoes it was

34

00:01:54,719 --> 00:01:53,149

really really interesting so some little

35

00:01:57,609 --> 00:01:54,729

bits and pieces from the dinner

36

00:02:00,870 --> 00:01:57,619

including an interview with Tim mendham

37

00:02:03,399 --> 00:02:00,880

the editor of the skeptic magazine and

38

00:02:06,490 --> 00:02:03,409

tim is going to be telling us what's

39

00:02:08,350 --> 00:02:06,500

coming up in the next issue something to

40

00:02:11,289 --> 00:02:08,360

look forward to for those lucky people

41

00:02:13,740 --> 00:02:11,299

who subscribe to the skeptic following

42

00:02:17,470 --> 00:02:13,750

that it's evidence please with Joe

43

00:02:19,390 --> 00:02:17,480

alabaster Joe visits Canberra skeptics

44

00:02:22,630 --> 00:02:19,400

in the pub and talks to andrew gould

45

00:02:25,360 --> 00:02:22,640

about many things including Jeff wags

46

00:02:27,220 --> 00:02:25,370

college of curiosity and a new crews

47

00:02:30,100 --> 00:02:27,230

coming up Jeff is putting together and

48

00:02:32,710 --> 00:02:30,110

then Joe we'll talk to Ken MacLeod long

49

00:02:36,250 --> 00:02:32,720

time campaigner against the

50

00:02:38,380 --> 00:02:36,260

anti-vaccination crowd and Ken will tell

51
00:02:41,410 --> 00:02:38,390
us a little bit more about stop the

52
00:02:43,810 --> 00:02:41,420
avian following that it's a week in

53
00:02:47,199 --> 00:02:43,820
science from the Royal Institution of

54
00:02:49,449 --> 00:02:47,209
Australia RI a u.s. dog today you and

55
00:02:50,800 --> 00:02:49,459
just the other night thank you to Paul

56
00:02:54,400 --> 00:02:50,810
Willis the director of the Royal

57
00:02:56,620 --> 00:02:54,410
Institution of Australia I am attended

58
00:02:58,360 --> 00:02:56,630
the science of Doctor Who the show

59
00:03:01,030 --> 00:02:58,370
that's traveling around Australia at the

60
00:03:02,409 --> 00:03:01,040
moment and what a fun night that was one

61
00:03:05,080 --> 00:03:02,419
of the great things about the shows they

62
00:03:05,530 --> 00:03:05,090
encouraged you to use your mobile device

63
00:03:10,119 --> 00:03:05,540

take

64

00:03:12,729 --> 00:03:10,129

photographs tweet and participate in the

65

00:03:14,830 --> 00:03:12,739

show with live interactive polls and

66

00:03:18,250 --> 00:03:14,840

things like that our great fun time

67

00:03:19,899 --> 00:03:18,260

travel regeneration black holes yeah the

68

00:03:23,559 --> 00:03:19,909

science of Doctor Who well done royal

69

00:03:24,970 --> 00:03:23,569

institution of Australia and BBC then

70

00:03:27,250 --> 00:03:24,980

the round off the show it's a grain of

71

00:03:30,729 --> 00:03:27,260

salt with a run so give more reports

72

00:03:33,539 --> 00:03:30,739

from QED the convention in Manchester a

73

00:03:36,610 --> 00:03:33,549

little earlier on in the year this week

74

00:03:38,710 --> 00:03:36,620

we're on chat stew professor christopher

75

00:03:40,960 --> 00:03:38,720

french it's a really interesting

76

00:03:45,149 --> 00:03:40,970

interview going to hear Christopher

77

00:03:48,030 --> 00:03:45,159

French's our views on parapsychology in

78

00:03:51,599 --> 00:03:48,040

other news I've been filming some more

79

00:03:53,920 --> 00:03:51,609

interviews and clips for my upcoming

80

00:03:55,869 --> 00:03:53,930

little documentary the vaccination

81

00:03:59,140 --> 00:03:55,879

chronicle so looking back this has taken

82

00:04:01,659 --> 00:03:59,150

quite a long time around 18 months so

83

00:04:06,039 --> 00:04:01,669

far I'm certainly aiming to have it up

84

00:04:08,319 --> 00:04:06,049

before the amazing meeting in July this

85

00:04:09,729 --> 00:04:08,329

year and it's so nice that I remember

86

00:04:12,129 --> 00:04:09,739

that when I started this project people

87

00:04:14,770 --> 00:04:12,139

chipped in to help me buy some video

88

00:04:17,229 --> 00:04:14,780

editing equipment but more on that in

89

00:04:19,180 --> 00:04:17,239

the coming weeks now my friend Alison

90

00:04:21,480 --> 00:04:19,190

Smith who I mentioned last week who made

91

00:04:24,550 --> 00:04:21,490

a little a fan video for Doctor Who

92

00:04:28,810 --> 00:04:24,560

trying to raise funds to go to the UK

93

00:04:31,540 --> 00:04:28,820

from America to visit I am a Doctor Who

94

00:04:37,990 --> 00:04:31,550

convention you can check out her video

95

00:04:40,000 --> 00:04:38,000

at the time run calm she almost reached

96

00:04:42,040 --> 00:04:40,010

her goal people chipping in to send her

97

00:04:43,810 --> 00:04:42,050

to America thank you to all those people

98

00:04:46,510 --> 00:04:43,820

who have been kind enough to do that and

99

00:04:49,750 --> 00:04:46,520

if you haven't seen the time run check

100

00:04:52,600 --> 00:04:49,760

it out and thanks to get bonne terre in

101
00:04:55,149 --> 00:04:52,610
Belgium the winner of the cosmos packed

102
00:04:59,260 --> 00:04:55,159
some time ago I sent the pack over to

103
00:05:01,960 --> 00:04:59,270
him via see mail because the ml price

104
00:05:04,409 --> 00:05:01,970
was outrageous it took a couple of

105
00:05:06,610 --> 00:05:04,419
months but the cosmos packed arrived

106
00:05:09,339 --> 00:05:06,620
well that's all from me at the moment

107
00:05:10,930 --> 00:05:09,349
I'm gonna run downstairs have a look in

108
00:05:13,990 --> 00:05:10,940
the kitchen see if I can't find some

109
00:05:18,640 --> 00:05:14,000
bagels toast them up with cream cheese

110
00:05:19,300 --> 00:05:18,650
and smoked salmon well I'm enjoying that

111
00:05:45,780 --> 00:05:19,310
I hope you

112
00:05:52,060 --> 00:05:48,760
good evening thank you once again for

113
00:05:53,560 --> 00:05:52,070

coming to the skeptics dinner my name is

114

00:05:57,520 --> 00:05:53,570

Richard Saunders I'm the president of

115

00:05:59,290 --> 00:05:57,530

Australian skeptics ink on that table we

116

00:06:01,120 --> 00:05:59,300

have magicians going at the moment so

117

00:06:04,450 --> 00:06:01,130

the people on that paper a little bit

118

00:06:06,840 --> 00:06:04,460

distracted we have various committee

119

00:06:09,940 --> 00:06:06,850

members from the Australian skeptics

120

00:06:12,250 --> 00:06:09,950

community here with this tonight dr.

121

00:06:18,070 --> 00:06:12,260

rachel dunlop dr. AG vice president

122

00:06:21,660 --> 00:06:18,080

hello oh yes bigger things John Boehner

123

00:06:23,980 --> 00:06:21,670

boo sitting right beside hello Joe yes

124

00:06:31,120 --> 00:06:23,990

slightly less applause I'm not sure

125

00:06:33,790 --> 00:06:31,130

about that we have our treasurer Martin

126

00:06:37,540 --> 00:06:33,800

Hadley up back there yesterday yeah

127

00:06:45,250 --> 00:06:37,550

she's money hope Tim mendham our editor

128

00:06:48,820 --> 00:06:45,260

over there last of our public money

129

00:06:52,830 --> 00:06:48,830

always right Iran say give down the

130

00:06:58,360 --> 00:06:56,110

incidentally some of you may have know

131

00:06:59,890 --> 00:06:58,370

about the the organization the Friends

132

00:07:03,820 --> 00:06:59,900

of science and medicine who do a

133

00:07:06,370 --> 00:07:03,830

wonderful job as specifically targeting

134

00:07:08,800 --> 00:07:06,380

quackery and promoting good medicine if

135

00:07:10,150 --> 00:07:08,810

you have questions about friends of

136

00:07:11,920 --> 00:07:10,160

science and medicine and the good work

137

00:07:14,170 --> 00:07:11,930

they're doing Joe Mennie moon here is on

138

00:07:16,450 --> 00:07:14,180

the executive and at any time I'm sure

139

00:07:18,100 --> 00:07:16,460

she'll be happy to answer your questions

140

00:07:19,630 --> 00:07:18,110

or you can find out more about the

141

00:07:22,470 --> 00:07:19,640

Friends of science and medicine there's

142

00:07:25,690 --> 00:07:22,480

an organization that Australian skeptics

143

00:07:26,920 --> 00:07:25,700

quite happily support we've been having

144

00:07:29,260 --> 00:07:26,930

an interesting time likely in the

145

00:07:32,890 --> 00:07:29,270

Australian skeptics we've got at least

146

00:07:34,330 --> 00:07:32,900

two challenges on the Gotham up now as

147

00:07:36,820 --> 00:07:34,340

you know we have a hundred thousand

148

00:07:40,600 --> 00:07:36,830

dollar prize to the first person who can

149

00:07:43,140 --> 00:07:40,610

prove more or less their claim can soak

150

00:07:45,430 --> 00:07:43,150

and navigate the laws of physics or

151
00:07:48,430 --> 00:07:45,440
change our understanding of science

152
00:07:49,230 --> 00:07:48,440
basically it was set up originally for

153
00:07:51,450 --> 00:07:49,240
her

154
00:07:56,370 --> 00:07:51,460
oval water divining that sort of thing

155
00:07:58,020 --> 00:07:56,380
well we have a psychic in Victoria it

156
00:08:00,600 --> 00:07:58,030
was very interested and has come forward

157
00:08:02,820 --> 00:08:00,610
and is in negotiations at the moment

158
00:08:06,510 --> 00:08:02,830
with the Victorian skeptics to set up a

159
00:08:10,110 --> 00:08:06,520
test of her psychic ability she claims

160
00:08:12,120 --> 00:08:10,120
she can communicate with those who have

161
00:08:14,189 --> 00:08:12,130
passed over as if they were standing

162
00:08:16,469 --> 00:08:14,199
right there in the room which we find is

163
00:08:18,029 --> 00:08:16,479

a very interesting claim well she also

164

00:08:20,939 --> 00:08:18,039

claims she can do something called

165

00:08:23,730 --> 00:08:20,949

psychometry which is getting vibrations

166

00:08:26,339 --> 00:08:23,740

and feelings and mystical insights off

167

00:08:28,499 --> 00:08:26,349

personal objects so we're sort of

168

00:08:31,550 --> 00:08:28,509

angling to that sort of test if we give

169

00:08:33,690 --> 00:08:31,560

her objects watches or I don't know what

170

00:08:35,850 --> 00:08:33,700

hopefully she can tell us about the

171

00:08:37,709 --> 00:08:35,860

owner of that object but we'll see how

172

00:08:40,230 --> 00:08:37,719

that goes that report will be coming up

173

00:08:42,690 --> 00:08:40,240

in the skeptic magazine a full report

174

00:08:44,610 --> 00:08:42,700

when that happens we're not exactly sure

175

00:08:46,440 --> 00:08:44,620

how long that's going to take if you're

176
00:08:48,420 --> 00:08:46,450
not a subscriber to the skeptic magazine

177
00:08:51,480 --> 00:08:48,430
Tim who I think just fled the room

178
00:08:53,780 --> 00:08:51,490
because he always does when I I start to

179
00:08:55,980 --> 00:08:53,790
talk and Tim can help you out with

180
00:08:57,600 --> 00:08:55,990
subscriptions it's the second oldest

181
00:08:59,250 --> 00:08:57,610
skeptical journal in the world we think

182
00:09:01,500 --> 00:08:59,260
it's a corker we think it's certainly

183
00:09:03,750 --> 00:09:01,510
one of the best and it's a great way for

184
00:09:07,579 --> 00:09:03,760
you to show your superiors that's the

185
00:09:10,170 --> 00:09:07,589
man yeah we've been talking about you

186
00:09:11,880 --> 00:09:10,180
it's a wonderful way for you to show

187
00:09:15,000 --> 00:09:11,890
your support for what we do with the

188
00:09:17,310 --> 00:09:15,010

skeptics coming tonight is a wonderful

189

00:09:18,960 --> 00:09:17,320

way but subscribing to our magazine and

190

00:09:20,550 --> 00:09:18,970

encouraging your friends to subscribe to

191

00:09:22,530 --> 00:09:20,560

our magazine is a wonderful thing to do

192

00:09:24,210 --> 00:09:22,540

and as I said we think it's a good

193

00:09:27,960 --> 00:09:24,220

magazine we get reports from all around

194

00:09:29,610 --> 00:09:27,970

the world this one coming up Tim there's

195

00:09:31,380 --> 00:09:29,620

even a report by me i went to a

196

00:09:34,139 --> 00:09:31,390

paranormal convention a couple of weeks

197

00:09:36,300 --> 00:09:34,149

ago and i had to sit through talks on

198

00:09:38,340 --> 00:09:36,310

monsters and ghosts and everything but

199

00:09:40,590 --> 00:09:38,350

was a lot of fun that report coming up

200

00:09:42,360 --> 00:09:40,600

well the other claim we have or possible

201
00:09:44,670 --> 00:09:42,370
claim is somebody who says they've

202
00:09:46,650 --> 00:09:44,680
invented an over unity engine in other

203
00:09:49,470 --> 00:09:46,660
words this engine will produce more

204
00:09:51,340 --> 00:09:49,480
power than it consumes okay can't wait

205
00:09:54,820 --> 00:09:51,350
to see that one

206
00:09:58,060 --> 00:09:54,830
plug it into my car I tell you what the

207
00:10:00,430 --> 00:09:58,070
other ongoing exciting news of course is

208
00:10:02,860 --> 00:10:00,440
the Australian skeptics convention this

209
00:10:05,410 --> 00:10:02,870
year in chatswood on the 28th 29th and

210
00:10:07,480 --> 00:10:05,420
30th of November we're flying in all

211
00:10:10,780 --> 00:10:07,490
sorts of wonderful international guests

212
00:10:12,670 --> 00:10:10,790
for that I was only met up with dr. Cole

213
00:10:14,410 --> 00:10:12,680

so this give the other day for a catch

214

00:10:16,030 --> 00:10:14,420

up and he's very excited to be speaking

215

00:10:18,640 --> 00:10:16,040

at the Australian skeptics convention so

216

00:10:20,350 --> 00:10:18,650

it'll be great to see him we've got dr.

217

00:10:21,670 --> 00:10:20,360

Rachel be giving a talk of course we've

218

00:10:24,970 --> 00:10:21,680

got the skeptics guide to the universe

219

00:10:26,680 --> 00:10:24,980

people coming George Arab who is a very

220

00:10:28,120 --> 00:10:26,690

famous skeptical entertainer from the

221

00:10:29,890 --> 00:10:28,130

United States and lots of other people

222

00:10:31,570 --> 00:10:29,900

dick smith will be there and lots of

223

00:10:34,000 --> 00:10:31,580

other people get to be announced it's

224

00:10:37,240 --> 00:10:34,010

very exciting tickets are still

225

00:10:39,730 --> 00:10:37,250

available you can always find out more

226

00:10:41,350 --> 00:10:39,740

at our website or just by asking any of

227

00:10:42,790 --> 00:10:41,360

the committee members here tonight we

228

00:10:45,010 --> 00:10:42,800

hope we'll see you at the convention

229

00:10:48,070 --> 00:10:45,020

it's going to be a great convention and

230

00:10:50,170 --> 00:10:48,080

of course our ongoing as many of you

231

00:10:52,060 --> 00:10:50,180

know and many you come along to skeptics

232

00:10:55,120 --> 00:10:52,070

in the pub first thursday of every month

233

00:10:58,720 --> 00:10:55,130

at the crown hotel in the city very

234

00:11:01,060 --> 00:10:58,730

relaxed lots of good times lots of very

235

00:11:03,070 --> 00:11:01,070

interesting speakers we have it skeptics

236

00:11:06,610 --> 00:11:03,080

at the pub more information at our

237

00:11:08,680 --> 00:11:06,620

website we'll just ask anybody here I'm

238

00:11:12,130 --> 00:11:08,690

also delighted to say tonight we have to

239

00:11:14,020 --> 00:11:12,140

give away some lucky person will be

240

00:11:16,750 --> 00:11:14,030

getting their dinner for free tonight a

241

00:11:19,420 --> 00:11:16,760

bit later on and another person will be

242

00:11:21,790 --> 00:11:19,430

getting courtesy of the national

243

00:11:23,530 --> 00:11:21,800

geographic channel a cosmos prize pack

244

00:11:28,900 --> 00:11:23,540

tonight consisting of the cosmos carry

245

00:11:32,320 --> 00:11:28,910

bag hello because most book by Carl

246

00:11:35,280 --> 00:11:32,330

Sagan and cosmos notepad so you can

247

00:11:38,160 --> 00:11:35,290

write your cosmos notes it if iceberg

248

00:11:40,019 --> 00:11:38,170

oh that's very kind of the National

249

00:11:41,730 --> 00:11:40,029

Geographic people it's obviously part of

250

00:11:43,139 --> 00:11:41,740

their own outreach and promotion but

251
00:11:46,129 --> 00:11:43,149
they gave us several copies of this

252
00:11:49,980 --> 00:11:46,139
little prize pack to give away and I

253
00:11:52,379 --> 00:11:49,990
been enjoying that the series immensely

254
00:11:54,059 --> 00:11:52,389
it's of course it's the reboot as it

255
00:11:56,730 --> 00:11:54,069
were from the original series in the

256
00:12:00,120 --> 00:11:56,740
1980s with Carl Sagan this time with

257
00:12:06,600 --> 00:12:00,130
Neil deGrasse Tyson being the host of

258
00:12:08,610 --> 00:12:06,610
the show well with the Australian

259
00:12:11,490 --> 00:12:08,620
skeptics dinner here in Sydney with a

260
00:12:14,370 --> 00:12:11,500
great talk tonight by dr. Cameron Webb

261
00:12:15,809 --> 00:12:14,380
about insects that bite you and suck

262
00:12:18,030 --> 00:12:15,819
your blood and mosquitoes and

263
00:12:19,740 --> 00:12:18,040

mosquito-borne viruses and things I with

264

00:12:21,449 --> 00:12:19,750

Tim mendham the editor of the skeptic

265

00:12:23,850 --> 00:12:21,459

magazine hello Tim hello they have

266

00:12:25,769 --> 00:12:23,860

Richard now what's coming up in the

267

00:12:28,139 --> 00:12:25,779

latest or the next issue i should say of

268

00:12:30,030 --> 00:12:28,149

the skeptic magazine we have a wonderful

269

00:12:32,009 --> 00:12:30,040

article written by someone not quite

270

00:12:34,499 --> 00:12:32,019

sure who it is a report on a paranormal

271

00:12:35,819 --> 00:12:34,509

convention really i bet we also have

272

00:12:38,129 --> 00:12:35,829

some incriminating photographs at the

273

00:12:41,600 --> 00:12:38,139

same person see sort of snuggling up to

274

00:12:44,280 --> 00:12:41,610

some paranormal Oh sexy so yes we got it

275

00:12:48,030 --> 00:12:44,290

mixed bag a because article talking

276

00:12:51,240 --> 00:12:48,040

about pet welfare check will and and

277

00:12:52,650 --> 00:12:51,250

animal welfare myths which is really

278

00:12:54,540 --> 00:12:52,660

weird actually that's an interesting

279

00:12:56,160 --> 00:12:54,550

topic actually bring ya ma put a few

280

00:12:58,470 --> 00:12:56,170

noses out of joint for that Seth so I

281

00:13:01,620 --> 00:12:58,480

always fun you know in my time I've seen

282

00:13:03,300 --> 00:13:01,630

devices for pets that would like the

283

00:13:04,769 --> 00:13:03,310

power beds except there are collars and

284

00:13:06,210 --> 00:13:04,779

things that didn't do anything no no

285

00:13:08,610 --> 00:13:06,220

this is actually also about how we treat

286

00:13:11,430 --> 00:13:08,620

animals oh and and and some of our

287

00:13:13,170 --> 00:13:11,440

impressions of anthropomorphism and big

288

00:13:15,329 --> 00:13:13,180

words like that I can't say that word I

289

00:13:19,050 --> 00:13:15,339

can't say they would I can't say istmas

290

00:13:21,059 --> 00:13:19,060

don't you go with isthmus I will so have

291

00:13:23,879 --> 00:13:21,069

articles about pseudoscience about the

292

00:13:25,259 --> 00:13:23,889

growth of pseudoscience and as was where

293

00:13:27,300 --> 00:13:25,269

the author describes at pseudoscience

294

00:13:29,610 --> 00:13:27,310

with teeth are asian sexy instead of

295

00:13:31,350 --> 00:13:29,620

getting very very nasty major

296

00:13:33,749 --> 00:13:31,360

implications we have articles about the

297

00:13:34,920 --> 00:13:33,759

other side about skepticism how to deal

298

00:13:36,949 --> 00:13:34,930

with pseudoscience we've got some

299

00:13:38,460 --> 00:13:36,959

definitions of that have put forward by

300

00:13:41,060 --> 00:13:38,470

pseudo-scientists and what they really

301
00:13:43,130 --> 00:13:41,070
mean we've got some websites to avoid

302
00:13:44,900 --> 00:13:43,140
oops I don't know here that's what's

303
00:13:46,370 --> 00:13:44,910
cool actually but really that's what the

304
00:13:49,250 --> 00:13:46,380
article called a very you must be psycho

305
00:13:50,930 --> 00:13:49,260
I must say yes I am here what else we go

306
00:13:52,220 --> 00:13:50,940
whole range of other staff fun trying to

307
00:13:54,650 --> 00:13:52,230
think actually you caught me off guard

308
00:13:56,570 --> 00:13:54,660
at the election oh you um you get a lot

309
00:13:58,670 --> 00:13:56,580
of contributions to the skeptic magazine

310
00:14:01,460 --> 00:13:58,680
coming in but you're always interested

311
00:14:03,050 --> 00:14:01,470
in in people having a go and writing

312
00:14:05,120 --> 00:14:03,060
articles or reports for the skeptic

313
00:14:06,800 --> 00:14:05,130

magazine absolutely i mean so I welcome

314

00:14:08,330 --> 00:14:06,810

any contributions actually Richard I'm

315

00:14:10,190 --> 00:14:08,340

in sort of always came to get a

316

00:14:13,550 --> 00:14:10,200

diversity of authors and a diversity of

317

00:14:14,900 --> 00:14:13,560

topics very much and like any editor of

318

00:14:16,460 --> 00:14:14,910

any publication and we'd love to see

319

00:14:18,320 --> 00:14:16,470

things being submitted how many people

320

00:14:20,300 --> 00:14:18,330

out there want to submit something to

321

00:14:22,610 --> 00:14:20,310

you they can simply send you an email

322

00:14:24,050 --> 00:14:22,620

with their idea and you can sort of take

323

00:14:26,240 --> 00:14:24,060

it from there so people out there don't

324

00:14:28,430 --> 00:14:26,250

be afraid don't think you'll never be

325

00:14:30,350 --> 00:14:28,440

published because you might you could

326

00:14:32,060 --> 00:14:30,360

see your name in print you could and on

327

00:14:33,140 --> 00:14:32,070

the big screen I'm gonna fix it okay the

328

00:14:35,360 --> 00:14:33,150

best ways to actually send me an email

329

00:14:37,330 --> 00:14:35,370

first of all just in 10 words or less

330

00:14:39,080 --> 00:14:37,340

I'd like to write an article about this

331

00:14:40,790 --> 00:14:39,090

yeah when you might have covered it

332

00:14:42,620 --> 00:14:40,800

really recently so you save yourself the

333

00:14:45,230 --> 00:14:42,630

effort but it was a good idea I'll jump

334

00:14:47,120 --> 00:14:45,240

at it and that's editor at skeptics

335

00:14:50,150 --> 00:14:47,130

accommodating that's the one and that's

336

00:14:54,260 --> 00:14:50,160

a spelt with a k we spill our skeptic to

337

00:14:55,880 --> 00:14:54,270

the car and I'm just we're outside the

338

00:14:57,530 --> 00:14:55,890

dinner at the moment and on the table in

339

00:14:59,570 --> 00:14:57,540

front of me that our little registration

340

00:15:02,200 --> 00:14:59,580

desk one two three four five six seven

341

00:15:07,160 --> 00:15:02,210

eight nine ten eleven twelve thirteen up

342

00:15:08,810 --> 00:15:07,170

and more 14 issues of the skeptic

343

00:15:12,290 --> 00:15:08,820

magazine which you've personally been

344

00:15:15,500 --> 00:15:12,300

responsible for but going back now at

345

00:15:17,750 --> 00:15:15,510

five six five years yeah since our 2009

346

00:15:20,450 --> 00:15:17,760

halfway three 2009 the magazine goes

347

00:15:22,100 --> 00:15:20,460

back 34 years it does it's the second

348

00:15:23,720 --> 00:15:22,110

longest skeptic magazine in the world it

349

00:15:27,620 --> 00:15:23,730

does and as our listeners know if they

350

00:15:30,380 --> 00:15:27,630

go to ww skeptics Comte you not only can

351
00:15:32,390 --> 00:15:30,390
they download the back issues free and

352
00:15:34,460 --> 00:15:32,400
view them on their I device or on their

353
00:15:36,860 --> 00:15:34,470
screen or print them out but they can

354
00:15:39,350 --> 00:15:36,870
subscribe to the current I can't do that

355
00:15:40,640 --> 00:15:39,360
handy and we encourage listeners to do

356
00:15:42,590 --> 00:15:40,650
that no matter where they around the

357
00:15:47,420 --> 00:15:42,600
world because if you live in Australia

358
00:15:49,190 --> 00:15:47,430
it's wonderful to get this some physical

359
00:15:50,870 --> 00:15:49,200
copy I'm trying to read and thumb

360
00:15:52,650 --> 00:15:50,880
through the pages not trying to do here

361
00:15:55,150 --> 00:15:52,660
we go

362
00:15:56,680 --> 00:15:55,160
I'm nothing eating accelerating nothing

363
00:15:58,120 --> 00:15:56,690

like the sound of a real magazine and

364

00:16:00,160 --> 00:15:58,130

I'm have to have a hard copy hey don't

365

00:16:02,170 --> 00:16:00,170

they tell me more I could get a digital

366

00:16:03,460 --> 00:16:02,180

copy digital copies will copy that

367

00:16:05,710 --> 00:16:03,470

downloads under there under there I

368

00:16:07,330 --> 00:16:05,720

preferred format yeah preferred platform

369

00:16:08,980 --> 00:16:07,340

and of course especially for people who

370

00:16:11,110 --> 00:16:08,990

are over seeds that's a wonderful

371

00:16:12,370 --> 00:16:11,120

opportunity and it gets them a lot

372

00:16:14,620 --> 00:16:12,380

quicker do it doesn't get any of them a

373

00:16:16,090 --> 00:16:14,630

lot quicker yes all the information for

374

00:16:17,110 --> 00:16:16,100

subscription no matter where you are in

375

00:16:19,600 --> 00:16:17,120

the world if you want a hard copy

376

00:16:21,790 --> 00:16:19,610

overseas you can do that if you're if

377

00:16:24,280 --> 00:16:21,800

you so desire or the digital copy

378

00:16:25,780 --> 00:16:24,290

skeptics Comte you Tim can't wait wins

379

00:16:28,180 --> 00:16:25,790

that out pretty soon I think next month

380

00:16:29,650 --> 00:16:28,190

out early next month early next month

381

00:16:31,480 --> 00:16:29,660

which is not far away week's time from

382

00:16:33,760 --> 00:16:31,490

now excellent so it really in May a

383

00:16:34,960 --> 00:16:33,770

plate Manor we at listeners know that

384

00:16:36,340 --> 00:16:34,970

because that's when most of them are

385

00:16:37,510 --> 00:16:36,350

listening to this all right okay good

386

00:16:39,520 --> 00:16:37,520

unless you're listening to us in the

387

00:16:40,870 --> 00:16:39,530

future look we do have some people who

388

00:16:41,950 --> 00:16:40,880

listen to the future and they double

389

00:16:43,240 --> 00:16:41,960

back and they've already read the

390

00:16:48,670 --> 00:16:43,250

magazine interesting things the people

391

00:16:50,650 --> 00:16:48,680

listen to us from the past but they can

392

00:16:53,230 --> 00:16:50,660

they can tell us not to do all the bad

393

00:16:54,640 --> 00:16:53,240

mistakes have done in our life yeah as

394

00:16:56,350 --> 00:16:54,650

we fail and white won't figure that one

395

00:17:13,870 --> 00:16:56,360

out went to and thanks to him at

396

00:17:21,579 --> 00:17:17,840

hey Kenny oh hi Tom nicely at this part

397

00:17:23,990 --> 00:17:21,589

yeah yes great weather oh look a unicorn

398

00:17:27,170 --> 00:17:24,000

unicorn there are no such things as

399

00:17:29,360 --> 00:17:27,180

unicorns silly yes there is no there

400

00:17:32,480 --> 00:17:29,370

isn't hey guys what are you arguing

401
00:17:35,240 --> 00:17:32,490
about tom thinks unicorns are real hey

402
00:17:38,000 --> 00:17:35,250
so are let's look us up in the skeptics

403
00:17:40,100 --> 00:17:38,010
dictionary the what how can we do this

404
00:17:41,780 --> 00:17:40,110
in this park there is the computer here

405
00:17:43,850 --> 00:17:41,790
you guys probably don't know about the

406
00:17:46,760 --> 00:17:43,860
skeptics dictionary app available now

407
00:17:50,240 --> 00:17:46,770
for iPhone iPad and iPod touch in the

408
00:17:52,100 --> 00:17:50,250
App Store Wow cool the app lets you

409
00:17:53,780 --> 00:17:52,110
access all of the great skeptics

410
00:17:57,140 --> 00:17:53,790
dictionary articles when you're on the

411
00:17:59,990 --> 00:17:57,150
go here let me look up unicorns now cool

412
00:18:02,060 --> 00:18:00,000
Kenny prepare to be proven wrong it says

413
00:18:05,810 --> 00:18:02,070

here the Unicorn is a creature from

414

00:18:07,310 --> 00:18:05,820

fabes aha actually I see now that

415

00:18:10,100 --> 00:18:07,320

someone just dumped their ice cream cone

416

00:18:17,120 --> 00:18:10,110

on that horse's head thanks skeptics

417

00:18:29,300 --> 00:18:20,060

what we want is some more evidence

418

00:18:34,680 --> 00:18:32,520

hello this is Joe alabaster I am at

419

00:18:36,810 --> 00:18:34,690

Canberra skeptics in the pub this week

420

00:18:39,630 --> 00:18:36,820

and I'm sitting here at the moment with

421

00:18:41,400 --> 00:18:39,640

Andrew gold Andrew hello hi Joe how you

422

00:18:45,570 --> 00:18:41,410

doing I'm good thank you and yourself I

423

00:18:47,670 --> 00:18:45,580

am very well that is wonderful um have

424

00:18:49,200 --> 00:18:47,680

you got any information as to what's

425

00:18:52,620 --> 00:18:49,210

going on with Canberra skeptics in the

426

00:18:55,950 --> 00:18:52,630

pub camera skeptics in the pub as usual

427

00:18:58,830 --> 00:18:55,960

we have a meet up at the third Sunday of

428

00:19:01,260 --> 00:18:58,840

every month check our facebook group or

429

00:19:04,500 --> 00:19:01,270

the Canberra social sphere skeptics

430

00:19:07,950 --> 00:19:04,510

meetup group for more details about that

431

00:19:10,380 --> 00:19:07,960

we've also got the regular monthly

432

00:19:13,710 --> 00:19:10,390

lecture from the Canberra skeptics 12th

433

00:19:15,750 --> 00:19:13,720

of June at the Aynsley football club for

434

00:19:18,480 --> 00:19:15,760

reasons beyond our control unfortunately

435

00:19:21,750 --> 00:19:18,490

we've had to change venues and it's dr.

436

00:19:23,910 --> 00:19:21,760

Danny Kingsley and stop blaming open

437

00:19:26,040 --> 00:19:23,920

access what's wrong with scholarly

438

00:19:28,640 --> 00:19:26,050

communication so that sounds like it's

439

00:19:32,040 --> 00:19:28,650

it's going to be a very interesting

440

00:19:35,040 --> 00:19:32,050

interesting thing going on there today

441

00:19:36,900 --> 00:19:35,050

of course we've got Ken MacLeod here at

442

00:19:39,980 --> 00:19:36,910

skeptics in the pub who who gave us a

443

00:19:43,830 --> 00:19:39,990

wonderful talk on the Australian

444

00:19:46,560 --> 00:19:43,840

anti-vaccination skeptics network and

445

00:19:48,960 --> 00:19:46,570

stop the avn that was that was very

446

00:19:51,570 --> 00:19:48,970

interesting there was one other thing I

447

00:19:53,160 --> 00:19:51,580

also wanted to upload and that is my

448

00:19:55,470 --> 00:19:53,170

friend Jeff wagon the college of

449

00:19:58,230 --> 00:19:55,480

curiosity has announced a South Pacific

450

00:20:03,180 --> 00:19:58,240

cruise it will be leaving from Sydney on

451

00:20:06,210 --> 00:20:03,190

March the 14 2015 and going to New

452

00:20:09,630 --> 00:20:06,220

Caledonia and Noumea coming back on the

453

00:20:12,110 --> 00:20:09,640

27th so if you go to college of

454

00:20:15,990 --> 00:20:12,120

curiosity com there's there's

455

00:20:19,140 --> 00:20:16,000

preliminary details on there Jeff tells

456

00:20:21,630 --> 00:20:19,150

me that he'll be taking bookings and

457

00:20:23,850 --> 00:20:21,640

doing more details around about June

458

00:20:27,360 --> 00:20:23,860

this year so we've got plenty of time to

459

00:20:29,970 --> 00:20:27,370

plan Jeff does fantastic tours as I've

460

00:20:31,830 --> 00:20:29,980

as a long-term listeners to the skeptic

461

00:20:34,110 --> 00:20:31,840

zone will know because I've gone on one

462

00:20:36,600 --> 00:20:34,120

of his tours before and many of my

463

00:20:39,450 --> 00:20:36,610

friends have gone on others they're

464

00:20:42,169 --> 00:20:39,460

great tours he he gets very very into

465

00:20:44,690 --> 00:20:42,179

the details of the places he goes to

466

00:20:47,899 --> 00:20:44,700

and finds all of these curious facts and

467

00:20:51,980 --> 00:20:47,909

things that you might not know so look

468

00:20:53,690 --> 00:20:51,990

at college of curiosity calm the getting

469

00:20:56,989 --> 00:20:53,700

curious in the South Pacific cruise

470

00:20:58,759 --> 00:20:56,999

because I'm planning on being there a

471

00:21:00,499 --> 00:20:58,769

lot of people i know are planning on

472

00:21:02,899 --> 00:21:00,509

being there including some people from

473

00:21:04,909 --> 00:21:02,909

the US who are getting their first

474

00:21:06,769 --> 00:21:04,919

chance to come out to Australia that

475

00:21:10,159 --> 00:21:06,779

sounds fantastic what else have the

476

00:21:14,090 --> 00:21:10,169

College of curiosity done well there was

477

00:21:17,259 --> 00:21:14,100

a tour I went on last year which covered

478

00:21:19,850 --> 00:21:17,269

the Kennedy Space Center in Florida

479

00:21:22,009 --> 00:21:19,860

which was fantastic we got to see the

480

00:21:23,720 --> 00:21:22,019

the Space Shuttle in the in the Vehicle

481

00:21:26,210 --> 00:21:23,730

Assembly Building and it was right there

482

00:21:27,590 --> 00:21:26,220

and it was just an amazing thing to say

483

00:21:30,830 --> 00:21:27,600

I could have gone home after that but

484

00:21:33,739 --> 00:21:30,840

then we we got on board this cruise ship

485

00:21:39,799 --> 00:21:33,749

and went for for several days around the

486

00:21:42,830 --> 00:21:39,809

Bahamas taking in coke okay and port

487

00:21:45,919 --> 00:21:42,840

Providence and a couple of those nice

488

00:21:48,799 --> 00:21:45,929

pirate locations and things and then

489

00:21:51,049 --> 00:21:48,809

came back to Epcot and jeff's knowledge

490

00:21:53,810 --> 00:21:51,059

of epcot was voluminous or was it was

491

00:21:58,629 --> 00:21:53,820

quite amazing but yeah go on to college

492

00:22:00,799 --> 00:21:58,639

of curiosity calm I think that okay now

493

00:22:03,109 --> 00:22:00,809

i'm pretty sure we'll be able to put the

494

00:22:05,480 --> 00:22:03,119

link up a skeptic same page as well the

495

00:22:09,619 --> 00:22:05,490

this other this website Jeff does an

496

00:22:12,109 --> 00:22:09,629

unknown object and he finds an object

497

00:22:16,009 --> 00:22:12,119

and puts it up and says what is this

498

00:22:19,009 --> 00:22:16,019

thing some of them some of them are

499

00:22:21,049 --> 00:22:19,019

identified yeah a few even after many

500

00:22:24,649 --> 00:22:21,059

weeks are still not not actually fully

501
00:22:27,590 --> 00:22:24,659
identified so we there's one up at the

502
00:22:31,519 --> 00:22:27,600
moment an interesting device I have not

503
00:22:33,049 --> 00:22:31,529
no idea what it is but if you go on to

504
00:22:34,759 --> 00:22:33,059
this website maybe you can have a look

505
00:22:36,379 --> 00:22:34,769
at it and find out that's interesting

506
00:22:38,119 --> 00:22:36,389
they used to have on the TV show

507
00:22:40,759 --> 00:22:38,129
collectors they used to bring out a

508
00:22:42,889 --> 00:22:40,769
strange device or an take every week or

509
00:22:44,299 --> 00:22:42,899
so and you'll be able to have a go at

510
00:22:47,269 --> 00:22:44,309
guessing what on earth it was is it a

511
00:22:50,450 --> 00:22:47,279
similar sort of format to that it's sort

512
00:22:52,730 --> 00:22:50,460
of i think yes a lot of them Jeff knows

513
00:22:54,379 --> 00:22:52,740

what it is before he posts wondering

514

00:22:55,270 --> 00:22:54,389

yeah who posts up he posted up hints

515

00:22:57,860 --> 00:22:55,280

yeah

516

00:22:59,390 --> 00:22:57,870

and it's like a little info I mean

517

00:23:02,020 --> 00:22:59,400

there's no there's no prizes for

518

00:23:04,730 --> 00:23:02,030

guessing or anything but it's like a

519

00:23:06,680 --> 00:23:04,740

curiosity and ya know that actually

520

00:23:09,830 --> 00:23:06,690

sounds like a lot of fun it is a lot of

521

00:23:12,680 --> 00:23:09,840

fun excellent wonderful thank you very

522

00:23:13,880 --> 00:23:12,690

much for that that's okay fantastic i'm

523

00:23:16,610 --> 00:23:13,890

here at canberra skeptics in the pub

524

00:23:18,740 --> 00:23:16,620

store and i'm speaking with Ken MacLeod

525

00:23:22,400 --> 00:23:18,750

and John bundle ken MacLeod has just

526
00:23:25,970 --> 00:23:22,410
done a talk on stop the APNs campaign to

527
00:23:28,700 --> 00:23:25,980
stop the avian hello ken hello Joe and

528
00:23:30,680 --> 00:23:28,710
hello John hello Joe it's wonderful to

529
00:23:33,320 --> 00:23:30,690
see you both here again what can you

530
00:23:36,020 --> 00:23:33,330
tell us about stop the AVM well stop the

531
00:23:39,560 --> 00:23:36,030
avian was formed in 2009 after the death

532
00:23:42,110 --> 00:23:39,570
of a baby from a preventable disease we

533
00:23:45,230 --> 00:23:42,120
found and were horrified as a group of

534
00:23:48,770 --> 00:23:45,240
just ordinary citizens that there is an

535
00:23:51,110 --> 00:23:48,780
active anti-vaccine community in our

536
00:23:53,180 --> 00:23:51,120
society and we decided something had to

537
00:23:55,670 --> 00:23:53,190
be done about the callous behavior and

538
00:23:59,030 --> 00:23:55,680

so stop the avian was formed by Daniel

539

00:24:02,150 --> 00:23:59,040

rafael and I joined as I think member

540

00:24:04,040 --> 00:24:02,160

number 348 after a lot of other very

541

00:24:09,110 --> 00:24:04,050

eminent people we've been working since

542

00:24:11,330 --> 00:24:09,120

July 2009 to affect change within

543

00:24:13,970 --> 00:24:11,340

government in the media and society

544

00:24:17,960 --> 00:24:13,980

generally in the behavior and attitude

545

00:24:21,590 --> 00:24:17,970

towards vaccines and how many people are

546

00:24:23,810 --> 00:24:21,600

involved now do you think it's purely a

547

00:24:25,860 --> 00:24:23,820

Facebook group there's no official

548

00:24:29,370 --> 00:24:25,870

membership

549

00:24:31,530 --> 00:24:29,380

well it's a bit loose to cause an

550

00:24:33,180 --> 00:24:31,540

organization we're a Facebook group of

551
00:24:34,980 --> 00:24:33,190
about twelve thousand one hundred people

552
00:24:36,990 --> 00:24:34,990
we are not incorporated as an

553
00:24:41,040 --> 00:24:37,000
association we are not a registered

554
00:24:44,490 --> 00:24:41,050
charity but within that 12,100 there's

555
00:24:47,100 --> 00:24:44,500
about thirty members in an inner circle

556
00:24:49,530 --> 00:24:47,110
that determined policy and more concrete

557
00:24:52,350 --> 00:24:49,540
action and we think we've been

558
00:24:54,990 --> 00:24:52,360
incredibly effective and what's been

559
00:24:57,000 --> 00:24:55,000
going on recently well in the last year

560
00:24:59,130 --> 00:24:57,010
or so we've had a remarkable change in

561
00:25:02,370 --> 00:24:59,140
the media who now regard merrill dory

562
00:25:04,770 --> 00:25:02,380
under ilk as complete ratbags we have

563
00:25:06,330 --> 00:25:04,780

had changes to legislation in New South

564

00:25:08,669 --> 00:25:06,340

Wales and that's the healthcare

565

00:25:13,220 --> 00:25:08,679

complaints act and the association's

566

00:25:16,169 --> 00:25:13,230

incorporation regulation with the new

567

00:25:17,760 --> 00:25:16,179

legislation has empowered the new south

568

00:25:21,930 --> 00:25:17,770

wales government to take much firmer

569

00:25:23,310 --> 00:25:21,940

action the media have come around to our

570

00:25:27,680 --> 00:25:23,320

point of view but we still have the

571

00:25:33,419 --> 00:25:27,690

occasional lapse that we must counteract

572

00:25:34,770 --> 00:25:33,429

the avn as our main target recently we

573

00:25:36,240 --> 00:25:34,780

were forced by the New South Wales

574

00:25:38,160 --> 00:25:36,250

Government to change their name to

575

00:25:42,120 --> 00:25:38,170

reflect more accurately what they do

576

00:25:43,980 --> 00:25:42,130

they have lost their charity license the

577

00:25:46,830 --> 00:25:43,990

health care Complaints Commission have

578

00:25:49,500 --> 00:25:46,840

issued a public warning which will not

579

00:25:51,600 --> 00:25:49,510

be overturned in any court and we can

580

00:25:55,380 --> 00:25:51,610

now use that public warning as very

581

00:26:00,600 --> 00:25:55,390

powerful evidence in our campaign to

582

00:26:03,180 --> 00:26:00,610

have the avn put out of business so the

583

00:26:05,490 --> 00:26:03,190

goal of stop the avn is it entirely

584

00:26:07,230 --> 00:26:05,500

based around the avian or are they

585

00:26:11,460 --> 00:26:07,240

looking at further anti-vaccination

586

00:26:13,980 --> 00:26:11,470

groups as well ok well f proper name is

587

00:26:17,090 --> 00:26:13,990

stop the Australian bracket anti close

588

00:26:20,130 --> 00:26:17,100

bracket vaccination network now the

589

00:26:23,540 --> 00:26:20,140

Australian vaccination skeptics network

590

00:26:26,220 --> 00:26:23,550

as they are now called is the largest

591

00:26:29,520 --> 00:26:26,230

anti-vaccine lobby group in Australia

592

00:26:32,190 --> 00:26:29,530

and so they became our main target but

593

00:26:36,750 --> 00:26:32,200

there are many others and they firmly

594

00:26:38,240 --> 00:26:36,760

within our sights to have them put out

595

00:26:41,420 --> 00:26:38,250

of business

596

00:26:43,340 --> 00:26:41,430

so if the ABN do end up closing our

597

00:26:45,920 --> 00:26:43,350

business there's still work for stop the

598

00:26:48,680 --> 00:26:45,930

ABN we've got a lifetime career ahead of

599

00:26:51,230 --> 00:26:48,690

all of us here in putting such people as

600

00:26:53,270 --> 00:26:51,240

stephanie messenger and so on firmly out

601
00:26:55,550 --> 00:26:53,280
of business and can what would you say

602
00:26:57,500 --> 00:26:55,560
you take home messages well as i was

603
00:27:01,280 --> 00:26:57,510
speaking to the canberra skeptics today

604
00:27:03,770 --> 00:27:01,290
i came to realize that even though i'm

605
00:27:07,730 --> 00:27:03,780
preaching to a converted audience in

606
00:27:10,190 --> 00:27:07,740
that the canberra skeptic suit a very

607
00:27:13,190 --> 00:27:10,200
firmly aware of the benefit of vaccines

608
00:27:15,680 --> 00:27:13,200
but what the main message I wanted them

609
00:27:17,240 --> 00:27:15,690
to go home with was it's all very well

610
00:27:19,970 --> 00:27:17,250
for everyone to sit around and complain

611
00:27:21,920 --> 00:27:19,980
but nothing will happen unless people

612
00:27:24,770 --> 00:27:21,930
make it happen so it's up to every

613
00:27:27,470 --> 00:27:24,780

skeptic every scientist everywhere to

614

00:27:30,020 --> 00:27:27,480

take action checking their local

615

00:27:31,940 --> 00:27:30,030

libraries for avn propaganda having it

616

00:27:33,800 --> 00:27:31,950

reported and thrown out check their

617

00:27:41,650 --> 00:27:33,810

coffee shops for brochures have them

618

00:27:46,010 --> 00:27:41,660

bent report anti-vaccine messages to TV

619

00:27:48,380 --> 00:27:46,020

editors broadcasters report to era

620

00:27:50,210 --> 00:27:48,390

newspapers to the press council take

621

00:27:52,250 --> 00:27:50,220

action nothing will happen unless you

622

00:27:54,380 --> 00:27:52,260

make it happen and that was my take home

623

00:27:59,390 --> 00:27:54,390

message that sounds absolutely wonderful

624

00:28:01,130 --> 00:27:59,400

thank you so much Ken well I had a

625

00:28:02,900 --> 00:28:01,140

wonderful time at Canberra skeptics in

626

00:28:04,850 --> 00:28:02,910

the pub they're a lovely group of people

627

00:28:06,680 --> 00:28:04,860

and most welcoming so if you're a

628

00:28:08,720 --> 00:28:06,690

Canberra local or just passing through

629

00:28:11,180 --> 00:28:08,730

do check out their meetup group facebook

630

00:28:13,220 --> 00:28:11,190

page and twitter account that's at CB

631

00:28:14,600 --> 00:28:13,230

are skeptics as they've got regular

632

00:28:15,800 --> 00:28:14,610

skeptics in the pub meetings and

633

00:28:18,260 --> 00:28:15,810

lectures with a wide array of

634

00:28:19,880 --> 00:28:18,270

interesting speakers on topics if you're

635

00:28:22,700 --> 00:28:19,890

not in Canberra you can still sit in on

636

00:28:24,410 --> 00:28:22,710

the lectures online via livestream links

637

00:28:27,110 --> 00:28:24,420

to which are announced via facebook and

638

00:28:28,880 --> 00:28:27,120

on twitter also if you're curious to

639

00:28:30,950 --> 00:28:28,890

find out what stopped the avn are up to

640

00:28:32,570 --> 00:28:30,960

and get the opportunity ken MacLeod is a

641

00:28:35,060 --> 00:28:32,580

great speaker very engaging and

642

00:28:36,980 --> 00:28:35,070

interesting for more information on stop

643

00:28:39,710 --> 00:28:36,990

the avn you can like their facebook page

644

00:28:41,900 --> 00:28:39,720

stop the australian racket aunty bracket

645

00:28:44,450 --> 00:28:41,910

vac station network or follow their

646

00:28:46,220 --> 00:28:44,460

twitter account at stop avn it's

647

00:28:48,230 --> 00:28:46,230

fantastic community-based grassroots

648

00:28:55,050 --> 00:28:48,240

activism involving skeptics and non

649

00:29:09,550 --> 00:29:07,480

on Manor com don't you hey you coming to

650

00:29:11,350 --> 00:29:09,560

you live from the exciting bleep Point

651
00:29:13,810 --> 00:29:11,360
Road frou-frou cafe it's mr. Tim

652
00:29:15,640 --> 00:29:13,820
Ferguson good morning good evening good

653
00:29:17,740 --> 00:29:15,650
afternoon and all the times in between

654
00:29:19,090 --> 00:29:17,750
and my name's may know we've got it all

655
00:29:21,010 --> 00:29:19,100
here we've got dogs that we've got

656
00:29:23,530 --> 00:29:21,020
screaming babies with God pouting

657
00:29:25,840 --> 00:29:23,540
waiters I've heard that ghosts can only

658
00:29:28,780 --> 00:29:25,850
travel in straight lines and they can't

659
00:29:30,460 --> 00:29:28,790
jump I know it feng shui you did usually

660
00:29:32,860 --> 00:29:30,470
a mirror or something and so the evil

661
00:29:34,480 --> 00:29:32,870
can't turn and get into your house he

662
00:29:36,820 --> 00:29:34,490
put something there will you heard about

663
00:29:39,070 --> 00:29:36,830

ghosts and their physical ability I do

664

00:29:42,820 --> 00:29:39,080

know that they cannot jump they won't

665

00:29:44,800 --> 00:29:42,830

shall they refuse to jump recalcitrant

666

00:29:47,110 --> 00:29:44,810

that's their problem after a lifetime of

667

00:29:50,230 --> 00:29:47,120

jumping you don't want to spend the

668

00:29:52,000 --> 00:29:50,240

afterworld being us repeatedly come on I

669

00:29:54,820 --> 00:29:52,010

would jump over that if you can walk

670

00:29:56,890 --> 00:29:54,830

through walls why would you want to jump

671

00:30:01,060 --> 00:29:56,900

there seemed to be a set of rules that a

672

00:30:04,210 --> 00:30:01,070

bit grey grey there one is ghost gazans

673

00:30:06,430 --> 00:30:04,220

do they happen I mean I don't want to be

674

00:30:08,800 --> 00:30:06,440

fighting myself in the afterworld where

675

00:30:11,800 --> 00:30:08,810

there is no orgasm there is no point in

676
00:30:13,660 --> 00:30:11,810
being alive without orgasms and daytime

677
00:30:21,910 --> 00:30:13,670
TV I want both of those in the

678
00:30:27,610 --> 00:30:21,920
afterworld on main art com do you hey

679
00:30:32,570 --> 00:30:30,230
welcome to a week in science from our

680
00:30:35,030 --> 00:30:32,580
ions bringing you the sides you need to

681
00:30:37,850 --> 00:30:35,040
know the old saying no pain no gain

682
00:30:39,740 --> 00:30:37,860
seems to be spot on Australian spend

683
00:30:41,660 --> 00:30:39,750
about two billion dollars a year on

684
00:30:47,630 --> 00:30:41,670
sports injuries and there are some

685
00:30:49,850 --> 00:30:47,640
simple ways to prevent many of them one

686
00:30:52,460 --> 00:30:49,860
way to reduce your injury risk is to do

687
00:30:55,340 --> 00:30:52,470
some pre-season training studies of

688
00:30:57,320 --> 00:30:55,350

football codes show 50 to 75 percent

689

00:30:59,590 --> 00:30:57,330

reduction in injury risk when a

690

00:31:02,090 --> 00:30:59,600

preseason regime includes strength

691

00:31:05,090 --> 00:31:02,100

flexibility and balance exercises

692

00:31:06,980 --> 00:31:05,100

without preseason conditioning athletes

693

00:31:09,350 --> 00:31:06,990

put a lot more strain on their bodies

694

00:31:12,500 --> 00:31:09,360

when the season starts leading to

695

00:31:14,930 --> 00:31:12,510

injuries but a word of warning a recent

696

00:31:17,420 --> 00:31:14,940

rugby analysis showed that really heavy

697

00:31:20,360 --> 00:31:17,430

preseason loads can increase your risk

698

00:31:22,160 --> 00:31:20,370

of injury so while some preseason is

699

00:31:24,620 --> 00:31:22,170

good you probably shouldn't go crazy

700

00:31:27,110 --> 00:31:24,630

with it during the rest of the season an

701
00:31:29,510 --> 00:31:27,120
hour of weight training each week helps

702
00:31:34,280 --> 00:31:29,520
prevent lower body injuries including

703
00:31:36,770 --> 00:31:34,290
your groin knees and hamstring now into

704
00:31:38,900 --> 00:31:36,780
warm ups while some studies disagree the

705
00:31:41,690 --> 00:31:38,910
overall weight of evidence suggests that

706
00:31:43,970 --> 00:31:41,700
warm-ups are important warming up opens

707
00:31:46,100 --> 00:31:43,980
up your capillaries and increases blood

708
00:31:48,110 --> 00:31:46,110
flow to your muscles increasing their

709
00:31:51,020 --> 00:31:48,120
temperature and causing more efficient

710
00:31:53,090 --> 00:31:51,030
oxygen transfer studies using animals

711
00:31:55,130 --> 00:31:53,100
have also shown that more force and more

712
00:31:57,590 --> 00:31:55,140
lengthening is needed to injure a warm

713
00:32:00,230 --> 00:31:57,600

muscle unfortunately the evidence for

714

00:32:02,450 --> 00:32:00,240

cooldowns isn't as clear general muscle

715

00:32:04,520 --> 00:32:02,460

soreness after exercising is caused by

716

00:32:06,380 --> 00:32:04,530

tiny tears in your muscle fibers and

717

00:32:08,420 --> 00:32:06,390

cooling down doesn't help with that

718

00:32:11,030 --> 00:32:08,430

there's also little evidence that it

719

00:32:13,400 --> 00:32:11,040

prevents long-term injuries what it does

720

00:32:15,230 --> 00:32:13,410

do is allow your circulatory system to

721

00:32:17,510 --> 00:32:15,240

slowly return to normal while

722

00:32:19,280 --> 00:32:17,520

maintaining proper blood pressure this

723

00:32:21,380 --> 00:32:19,290

prevents dizziness and fainting which

724

00:32:24,290 --> 00:32:21,390

can often occur after a hard session and

725

00:32:26,269 --> 00:32:24,300

now for fast facts about sport injury

726

00:32:28,830 --> 00:32:26,279

prevention

727

00:32:30,690 --> 00:32:28,840

over half a million Australians have a

728

00:32:33,930 --> 00:32:30,700

long-term condition that can be blamed

729

00:32:36,419 --> 00:32:33,940

on a sporting or exercise injury static

730

00:32:38,220 --> 00:32:36,429

stretching before exercise doesn't seem

731

00:32:40,320 --> 00:32:38,230

to prevent injury and can actually

732

00:32:42,389 --> 00:32:40,330

decrease your sprinting and jumping

733

00:32:44,430 --> 00:32:42,399

performance you can reduce your injury

734

00:32:46,440 --> 00:32:44,440

risk by having a day's rest between

735

00:32:48,389 --> 00:32:46,450

training sessions allowing your muscles

736

00:32:50,729 --> 00:32:48,399

to repair before punishing them again

737

00:32:53,460 --> 00:32:50,739

and static and dynamic stretching after

738

00:32:56,249 --> 00:32:53,470

you workout and on non exercising days

739

00:32:57,930 --> 00:32:56,259

can lower your injury risk that's it for

740

00:32:59,519 --> 00:32:57,940

this week in science for more

741

00:33:03,090 --> 00:32:59,529

information on the science of sports

742

00:33:05,789 --> 00:33:03,100

injuries go to the area's website RI aus

743

00:33:08,909 --> 00:33:05,799

org dot a you follow us on twitter at

744

00:33:22,340 --> 00:33:08,919

areas and like us on facebook i'm karen

745

00:33:26,940 --> 00:33:25,139

virtual skeptics is a weekly web show in

746

00:33:29,249 --> 00:33:26,950

which we discuss the latest news in

747

00:33:30,749 --> 00:33:29,259

skepticism whether it's a new case of

748

00:33:32,940 --> 00:33:30,759

spontaneous human combustion a

749

00:33:35,190 --> 00:33:32,950

conspiracy theory the latest update on

750

00:33:36,840 --> 00:33:35,200

the upcoming robot apocalypse tech news

751
00:33:39,330 --> 00:33:36,850
for skeptics are the latest wacky

752
00:33:41,700 --> 00:33:39,340
religious claim we cover it all we

753
00:33:44,369 --> 00:33:41,710
record the show live as a Google+ on-air

754
00:33:46,169 --> 00:33:44,379
hang out so join us and our host Brian

755
00:33:48,840 --> 00:33:46,179
Gregory for an hour of mostly

756
00:33:51,749 --> 00:33:48,850
intelligent talk every Wednesday at a PM

757
00:33:54,330 --> 00:33:51,759
eastern US time watch us at virtual

758
00:33:57,659 --> 00:33:54,340
skeptics calm and participate in the

759
00:33:59,700 --> 00:33:57,669
show on our hashtag virtual skeptics the

760
00:34:09,270 --> 00:33:59,710
virtual skeptics it's like meet the

761
00:34:11,849 --> 00:34:09,280
press but with chupacabras let's all

762
00:34:17,419 --> 00:34:11,859
take this with a grain of salt he's

763
00:34:22,770 --> 00:34:20,970

I'm here with dr. Chris French hello

764

00:34:24,630 --> 00:34:22,780

Chris how are you doing hello you've

765

00:34:26,640 --> 00:34:24,640

only arrived today at QED so you only

766

00:34:28,560 --> 00:34:26,650

you missed the first day i miss the

767

00:34:32,430 --> 00:34:28,570

first day i've actually fact get here

768

00:34:35,700 --> 00:34:32,440

late last night so i hear about 9pm just

769

00:34:37,470 --> 00:34:35,710

in time to see richard wiseman giving

770

00:34:42,330 --> 00:34:37,480

the Occam awards so they're great fun

771

00:34:43,980 --> 00:34:42,340

that was great so we we also met in

772

00:34:47,310 --> 00:34:43,990

november in canberra where you

773

00:34:48,750 --> 00:34:47,320

participated in national skip lead to a

774

00:34:51,149 --> 00:34:48,760

very successfully organized by the

775

00:34:54,090 --> 00:34:51,159

canberra skeptics what was your

776

00:34:55,710 --> 00:34:54,100

experience in in canberra in australia

777

00:34:58,590 --> 00:34:55,720

in general oh I Robin I thoroughly

778

00:35:01,740 --> 00:34:58,600

enjoyed my visit I was I was so well

779

00:35:03,150 --> 00:35:01,750

looked after by Canberra skeptics and

780

00:35:05,790 --> 00:35:03,160

various other skeptics groups that I

781

00:35:07,230 --> 00:35:05,800

went and did talks for and yeah the

782

00:35:10,500 --> 00:35:07,240

whole experience which is entirely

783

00:35:15,120 --> 00:35:10,510

positive the only complaint that I would

784

00:35:17,370 --> 00:35:15,130

have is the very inconsiderately my

785

00:35:19,680 --> 00:35:17,380

people go to its College where I work

786

00:35:21,330 --> 00:35:19,690

University of London they didn't seem to

787

00:35:23,850 --> 00:35:21,340

take a fortnight off so I'd wake up

788

00:35:25,590 --> 00:35:23,860

every morning in my inbox would email

789

00:35:27,360 --> 00:35:25,600

INBOX would be full of emails from

790

00:35:28,980 --> 00:35:27,370

people I didn't have the time to deal

791

00:35:31,200 --> 00:35:28,990

with but apart from that i'm going to do

792

00:35:32,760 --> 00:35:31,210

so that they're so it's actually a shame

793

00:35:33,930 --> 00:35:32,770

that camera skeptics didn't do something

794

00:35:36,030 --> 00:35:33,940

about that think they should have

795

00:35:37,260 --> 00:35:36,040

actually sorted that out really yeah i'm

796

00:35:39,150 --> 00:35:37,270

not even disagree with Claire's the

797

00:35:41,430 --> 00:35:39,160

national holiday back in the UK for a

798

00:35:42,540 --> 00:35:41,440

fortnight you know and then I would not

799

00:35:44,340 --> 00:35:42,550

have had so many emails to deal with

800

00:35:47,100 --> 00:35:44,350

yeah I completely understand because I'm

801
00:35:48,510 --> 00:35:47,110
on to two weeks holiday right now right

802
00:35:51,450 --> 00:35:48,520
in the middle of a two weeks holiday and

803
00:35:53,730 --> 00:35:51,460
I i dread what will help my email box

804
00:35:55,230 --> 00:35:53,740
will look like when I come back um so

805
00:35:57,540 --> 00:35:55,240
how long were you in australia though it

806
00:35:59,700 --> 00:35:57,550
was just for two weeks it was ok so i'm

807
00:36:02,400 --> 00:35:59,710
sure to visit so about to a conference

808
00:36:06,120 --> 00:36:02,410
in Canberra what else did you know I did

809
00:36:10,740 --> 00:36:06,130
I did talks with various local skeptics

810
00:36:13,560 --> 00:36:10,750
groups I think we the final event was a

811
00:36:15,960 --> 00:36:13,570
British anomalistic psychologist in the

812
00:36:18,390 --> 00:36:15,970
pub evening which was me and Chrissy

813
00:36:21,480 --> 00:36:18,400

we'll see who Chrissy I supervise her

814

00:36:24,360 --> 00:36:21,490

PhD and then I wish she moved to

815

00:36:26,810 --> 00:36:24,370

Australia so that was great fun and it

816

00:36:29,000 --> 00:36:26,820

was just great to meet so many

817

00:36:32,240 --> 00:36:29,010

interesting and friendly people so did

818

00:36:35,870 --> 00:36:32,250

you get to do any any tourism activity I

819

00:36:39,830 --> 00:36:35,880

did a little bit of sightseeing I was

820

00:36:42,650 --> 00:36:39,840

kind of taken around ferried round to

821

00:36:44,060 --> 00:36:42,660

various places and yeah I did get to see

822

00:36:45,470 --> 00:36:44,070

a little bit of the country but I've and

823

00:36:47,210 --> 00:36:45,480

I've loved to go and get a chance to go

824

00:36:51,230 --> 00:36:47,220

back and do it properly well you do have

825

00:36:54,490 --> 00:36:51,240

a Chrissy's now in Alice Springs which

826

00:36:57,290 --> 00:36:54,500

is a short six hour drive from olaru

827

00:37:00,020 --> 00:36:57,300

driver you guys call very sure that it

828

00:37:02,780 --> 00:37:00,030

looks like ours which is about the

829

00:37:05,390 --> 00:37:02,790

length of Britain I mean I mean I mean

830

00:37:07,250 --> 00:37:05,400

I'm so kind of lazy that you know we've

831

00:37:10,700 --> 00:37:07,260

got at least half a dozen branches of

832

00:37:12,110 --> 00:37:10,710

skeptics in the pub in London yes well I

833

00:37:13,730 --> 00:37:12,120

wasn't good enough for me now that I'm

834

00:37:15,530 --> 00:37:13,740

gonna set up my own branch just around

835

00:37:19,130 --> 00:37:15,540

the corner from where I live you know

836

00:37:22,100 --> 00:37:19,140

they're so the talk about you gave today

837

00:37:25,150 --> 00:37:22,110

can you can you talk about today I was

838

00:37:28,010 --> 00:37:25,160

on a panel with Richard Wiseman and

839

00:37:31,720 --> 00:37:28,020

chris roe and what we were discussing

840

00:37:34,610 --> 00:37:31,730

today were various issues relating to

841

00:37:37,010 --> 00:37:34,620

replication problems in science

842

00:37:39,680 --> 00:37:37,020

generally but particularly in psychology

843

00:37:41,390 --> 00:37:39,690

and in parapsychology now maybe that

844

00:37:43,330 --> 00:37:41,400

would be good time I think people would

845

00:37:47,680 --> 00:37:43,340

know who Richard Wiseman is but but who

846

00:37:49,990 --> 00:37:47,690

was Miss Rose row Chris row is a

847

00:37:52,400 --> 00:37:50,000

psychologist but also a parapsychologist

848

00:37:56,450 --> 00:37:52,410

he's at the University of Northampton

849

00:37:59,570 --> 00:37:56,460

and what are the interesting things is

850

00:38:02,990 --> 00:37:59,580

that I've known Chris for a very long

851
00:38:08,330 --> 00:38:03,000
time and really we would probably agree

852
00:38:10,820 --> 00:38:08,340
on 95% plus of issues it's just really

853
00:38:14,750 --> 00:38:10,830
that kind of rock bottom level basic

854
00:38:17,200 --> 00:38:14,760
assumptions whether or not he we believe

855
00:38:19,850 --> 00:38:17,210
that the evidence for the paranormal is

856
00:38:21,800 --> 00:38:19,860
generally in favor or actually not very

857
00:38:23,780 --> 00:38:21,810
strong i don't think it's awfully strong

858
00:38:25,730 --> 00:38:23,790
Chris at least I think would say that

859
00:38:27,620 --> 00:38:25,740
it's it's strongly enough to merit

860
00:38:29,000 --> 00:38:27,630
further research and I think if he had

861
00:38:30,500 --> 00:38:29,010
to bet his house on it you would

862
00:38:32,300 --> 00:38:30,510
probably bet that some of these

863
00:38:35,090 --> 00:38:32,310

paranormal phenomena at least were

864

00:38:35,359 --> 00:38:35,100

genuinely so he does paranormal so you

865

00:38:38,809 --> 00:38:35,369

think

866

00:38:40,069 --> 00:38:38,819

would if he was forced he would come

867

00:38:44,120 --> 00:38:40,079

down on the side of a believer but like

868

00:38:46,549 --> 00:38:44,130

lots of parapsychologists it's not that

869

00:38:48,470 --> 00:38:46,559

he's a kind of wide-eyed uncritically

870

00:38:51,680 --> 00:38:48,480

but I think there is quite often a

871

00:38:53,359 --> 00:38:51,690

tendency for skeptics to believe that I

872

00:38:55,190 --> 00:38:53,369

know and I kind of fell into this trap

873

00:38:57,589 --> 00:38:55,200

myself when I first discovered the joys

874

00:39:00,410 --> 00:38:57,599

of skepticism I used to be a believer in

875

00:39:03,890 --> 00:39:00,420

our east of Leslie believer to quite

876

00:39:06,950 --> 00:39:03,900

well into my adulthood and it was

877

00:39:09,410 --> 00:39:06,960

reading one particular book by James ol

878

00:39:12,259 --> 00:39:09,420

called parapsychology science or

879

00:39:13,999 --> 00:39:12,269

magic that made me realize there was

880

00:39:15,739 --> 00:39:14,009

another way of explaining all these

881

00:39:18,980 --> 00:39:15,749

unusual experiences and one that

882

00:39:21,739 --> 00:39:18,990

actually made a lot of sense to me I ran

883

00:39:24,589 --> 00:39:21,749

and I kind of now no James okok or Jim

884

00:39:26,450 --> 00:39:24,599

my mate Jim and it's got a its quite now

885

00:39:27,890 --> 00:39:26,460

to consider him a personal friend and I

886

00:39:30,739 --> 00:39:27,900

can kind of turn around him and say you

887

00:39:32,870 --> 00:39:30,749

are the bastard that got me to arriving

888

00:39:36,799 --> 00:39:32,880

today you've got a lot to answer for but

889

00:39:37,849 --> 00:39:36,809

when I first got into skepticism I did

890

00:39:39,559 --> 00:39:37,859

very much take a kind a very

891

00:39:42,380 --> 00:39:39,569

black-and-white simplistic view I think

892

00:39:44,390 --> 00:39:42,390

of parapsychology I kind of thought that

893

00:39:46,099 --> 00:39:44,400

all parapsychologists were incompetent

894

00:39:50,029 --> 00:39:46,109

couldn't design the experiment to save

895

00:39:52,249 --> 00:39:50,039

their lives that all psychics were

896

00:39:56,029 --> 00:39:52,259

deliberate con artists that all

897

00:39:57,890 --> 00:39:56,039

paranormal and related beliefs were were

898

00:39:59,569 --> 00:39:57,900

no damaging in some way now don't bleed

899

00:40:01,549 --> 00:39:59,579

any of those things now I still don't

900

00:40:03,259 --> 00:40:01,559

believe in the paranormal I'm still you

901
00:40:07,279 --> 00:40:03,269
know this size it so this is something I

902
00:40:10,099 --> 00:40:07,289
do want to ask you so um Chris in his

903
00:40:14,059 --> 00:40:10,109
orchestra in his opening statement made

904
00:40:16,249 --> 00:40:14,069
the point that a lot of the basic

905
00:40:18,739 --> 00:40:16,259
parameters of what would be considered

906
00:40:21,259 --> 00:40:18,749
good research or positive research in

907
00:40:23,089 --> 00:40:21,269
terms of the outcomes would be similar

908
00:40:24,950 --> 00:40:23,099
between such general psychological

909
00:40:26,690 --> 00:40:24,960
research and parapsychology code I think

910
00:40:29,839 --> 00:40:26,700
that's absolutely the case I mean ever

911
00:40:33,440 --> 00:40:29,849
since the 1930s when Rhine JB Rhine

912
00:40:35,870 --> 00:40:33,450
first set up his laboratory the kind of

913
00:40:37,819 --> 00:40:35,880

experiments they were doing were very

914

00:40:39,620 --> 00:40:37,829

similar to the kind of experiments that

915

00:40:41,239 --> 00:40:39,630

psychologists were doing it's just that

916

00:40:43,339 --> 00:40:41,249

instead of looking at say how the normal

917

00:40:45,180 --> 00:40:43,349

senses work they were trying to see

918

00:40:47,130 --> 00:40:45,190

whether there's anything this case

919

00:40:48,240 --> 00:40:47,140

so so there's a couple of things there's

920

00:40:50,010 --> 00:40:48,250

one thing that wasn't mentioned today

921

00:40:53,430 --> 00:40:50,020

and that is things that contradict

922

00:40:55,290 --> 00:40:53,440

physics mm-hmm a future awesome so there

923

00:40:57,630 --> 00:40:55,300

are things that you where you say okay

924

00:40:59,569 --> 00:40:57,640

physics or science doesn't explain for

925

00:41:02,520 --> 00:40:59,579

example how maybe people communicate

926

00:41:05,250 --> 00:41:02,530

across distances or stuff like that but

927

00:41:08,160 --> 00:41:05,260

things that have to do with breaking the

928

00:41:10,710 --> 00:41:08,170

laws of science like looking into the

929

00:41:12,960 --> 00:41:10,720

future those are I would be very

930

00:41:17,099 --> 00:41:12,970

interested to know what Chris row things

931

00:41:19,079 --> 00:41:17,109

about that but but but more importantly

932

00:41:22,710 --> 00:41:19,089

for the from the perspective of what

933

00:41:24,270 --> 00:41:22,720

we're discussing right now how if all

934

00:41:26,280 --> 00:41:24,280

the basic parameters are the same and

935

00:41:28,710 --> 00:41:26,290

the replication rate is about the same

936

00:41:33,270 --> 00:41:28,720

in all that how come how can we justify

937

00:41:36,960 --> 00:41:33,280

not accepting the evidence for whatever

938

00:41:39,750 --> 00:41:36,970

paranormal research Chris engages in but

939

00:41:42,240 --> 00:41:39,760

accepting the research for just

940

00:41:43,950 --> 00:41:42,250

mainstream psychological research well

941

00:41:46,760 --> 00:41:43,960

they again with mainstream psychological

942

00:41:49,829 --> 00:41:46,770

research there are literally dozens

943

00:41:52,200 --> 00:41:49,839

hundreds of effects that are very very

944

00:41:54,150 --> 00:41:52,210

robust totally replicable much bigger

945

00:41:56,550 --> 00:41:54,160

effect sizes and the kind of thing we

946

00:41:59,970 --> 00:41:56,560

were talking about today and the kind of

947

00:42:03,359 --> 00:41:59,980

thing that you typically find in

948

00:42:06,720 --> 00:42:03,369

parapsychology now I mean at the end of

949

00:42:09,300 --> 00:42:06,730

the day in terms of whether or not any

950

00:42:11,069 --> 00:42:09,310

of these effects are real I think there

951
00:42:12,900 --> 00:42:11,079
was happened recently with this kind of

952
00:42:16,740 --> 00:42:12,910
it's been referred to as a crisis of

953
00:42:18,510 --> 00:42:16,750
confidence in psychology I would agree

954
00:42:20,550 --> 00:42:18,520
with Chris row that actually it's just a

955
00:42:24,240 --> 00:42:20,560
bit of healthy self criticism you know

956
00:42:26,250 --> 00:42:24,250
that we have acknowledged that there are

957
00:42:28,710 --> 00:42:26,260
these issues that arise that some of the

958
00:42:30,990 --> 00:42:28,720
effects some of the effects that are

959
00:42:33,359 --> 00:42:31,000
reported in mainstream psychology

960
00:42:36,660 --> 00:42:33,369
journals are probably not really facts

961
00:42:38,010 --> 00:42:36,670
and we are trying to address that and I

962
00:42:39,720 --> 00:42:38,020
think that's a really really good thing

963
00:42:42,059 --> 00:42:39,730

to be doing and I hope it actually sets

964

00:42:43,740 --> 00:42:42,069

a standard for other sciences to try and

965

00:42:45,809 --> 00:42:43,750

follow because it's these are not issues

966

00:42:48,150 --> 00:42:45,819

that only effect psychology and

967

00:42:49,770 --> 00:42:48,160

parapsychology there is a much bigger

968

00:42:55,230 --> 00:42:49,780

problem of replication with in

969

00:42:57,150 --> 00:42:55,240

parapsychology the there is sort of in a

970

00:42:58,180 --> 00:42:57,160

very simplistically there isn't a single

971

00:43:00,910 --> 00:42:58,190

power

972

00:43:02,680 --> 00:43:00,920

normal effect that you could use as the

973

00:43:04,930 --> 00:43:02,690

basis for a first-year lab class and

974

00:43:06,520 --> 00:43:04,940

hope to stand any chance at all of

975

00:43:08,320 --> 00:43:06,530

actually getting a significant results

976

00:43:10,000 --> 00:43:08,330

now there are dozens and dozens and

977

00:43:11,590 --> 00:43:10,010

dozens of psychological effects so what

978

00:43:13,150 --> 00:43:11,600

does so what does Chris say about that

979

00:43:17,110 --> 00:43:13,160

work I think I mean I think Chris would

980

00:43:20,200 --> 00:43:17,120

say I mean inevitably what all the

981

00:43:22,690 --> 00:43:20,210

sciences are about is trying to separate

982

00:43:23,980 --> 00:43:22,700

the signal from the noise okay they're

983

00:43:27,180 --> 00:43:23,990

gonna be sources of error there's going

984

00:43:29,860 --> 00:43:27,190

to be all this kind of stuff and

985

00:43:34,360 --> 00:43:29,870

basically it can be sometimes very very

986

00:43:38,590 --> 00:43:34,370

difficult to do that now my view is that

987

00:43:41,500 --> 00:43:38,600

what this recent controversy kind of

988

00:43:43,000 --> 00:43:41,510

highlights is that a lot of the effects

989

00:43:47,380 --> 00:43:43,010

that actually get published in very good

990

00:43:49,980 --> 00:43:47,390

journals in in experimental written

991

00:43:53,530 --> 00:43:49,990

reports that look as if the studies were

992

00:43:55,600 --> 00:43:53,540

properly controlled etc etc etc there'll

993

00:43:57,310 --> 00:43:55,610

be a percentage of those effects that

994

00:43:59,440 --> 00:43:57,320

aren't actually really affects their

995

00:44:01,710 --> 00:43:59,450

spurious for various reasons but

996

00:44:03,940 --> 00:44:01,720

questionable research practices

997

00:44:06,750 --> 00:44:03,950

occasional deliberate fraud although

998

00:44:09,850 --> 00:44:06,760

it's probably quite rare but it happens

999

00:44:12,430 --> 00:44:09,860

statistical blips etc etc all of those

1000

00:44:15,490 --> 00:44:12,440

kinds of things now the question then

1001
00:44:18,700 --> 00:44:15,500
becomes well what would it be like if

1002
00:44:20,620 --> 00:44:18,710
you had a science that was actually just

1003
00:44:23,100 --> 00:44:20,630
based on noise there were no real

1004
00:44:25,090 --> 00:44:23,110
signals there I think it would look like

1005
00:44:27,850 --> 00:44:25,100
parapsychology I think that is what

1006
00:44:29,590 --> 00:44:27,860
parapsychology is and I think for that

1007
00:44:31,060 --> 00:44:29,600
reason it's kind of quite instructive it

1008
00:44:33,610 --> 00:44:31,070
tells us about the limits of the

1009
00:44:34,960 --> 00:44:33,620
scientific method now that's not to say

1010
00:44:37,270 --> 00:44:34,970
obviously I'm still a huge fan of the

1011
00:44:39,190 --> 00:44:37,280
scientific method it's the best way we

1012
00:44:40,930 --> 00:44:39,200
have it's like Churchill said about

1013
00:44:42,820 --> 00:44:40,940

democracy you know it's okay it's

1014

00:44:45,310 --> 00:44:42,830

rubbish but it's the best system we've

1015

00:44:47,170 --> 00:44:45,320

got it and I feel very much that that

1016

00:44:48,460 --> 00:44:47,180

about where it comes to trying to

1017

00:44:51,640 --> 00:44:48,470

determine the truth about the way things

1018

00:44:53,980 --> 00:44:51,650

are science is without doubt the best

1019

00:44:57,460 --> 00:44:53,990

way to try and do it but scientists are

1020

00:44:59,580 --> 00:44:57,470

human therefore it's not perfect do you

1021

00:45:01,720 --> 00:44:59,590

think that applies particularly to

1022

00:45:04,600 --> 00:45:01,730

social sciences because we are

1023

00:45:07,060 --> 00:45:04,610

intimately humans I mean I a couple of

1024

00:45:10,500 --> 00:45:07,070

years ago did some I did a segment for

1025

00:45:13,920 --> 00:45:10,510

for skeptics on podcast about economics

1026

00:45:15,630 --> 00:45:13,930

and I spoke to economists and it was

1027

00:45:17,880 --> 00:45:15,640

quite astonishing to you speak to

1028

00:45:20,430 --> 00:45:17,890

economists and I think I spoke to about

1029

00:45:22,380 --> 00:45:20,440

six or seven of them mostly academics

1030

00:45:24,780 --> 00:45:22,390

and all but one basically said that

1031

00:45:25,680 --> 00:45:24,790

economics is rubbish at predicting

1032

00:45:27,390 --> 00:45:25,690

anything they're they're very good at

1033

00:45:29,100 --> 00:45:27,400

post dictating yeah you know explaining

1034

00:45:30,660 --> 00:45:29,110

the past they're very good at a

1035

00:45:33,480 --> 00:45:30,670

particular views are completely

1036

00:45:35,580 --> 00:45:33,490

completely useless yeah um do you feel

1037

00:45:38,640 --> 00:45:35,590

that any because it is to a certain

1038

00:45:40,560 --> 00:45:38,650

extent it's not a certain extent it is a

1039

00:45:42,480 --> 00:45:40,570

social science there is a little bit of

1040

00:45:44,310 --> 00:45:42,490

other other things in economy in

1041

00:45:46,050 --> 00:45:44,320

economics but do you feel that that's

1042

00:45:48,420 --> 00:45:46,060

the case because humans are so complex

1043

00:45:51,660 --> 00:45:48,430

in human society is even more complex

1044

00:45:53,220 --> 00:45:51,670

than individual humans that it is that

1045

00:45:55,560 --> 00:45:53,230

those weaknesses are basically a result

1046

00:46:00,890 --> 00:45:55,570

of that I think it cuts both ways in in

1047

00:46:03,780 --> 00:46:00,900

the sense that if you tend to find the

1048

00:46:05,910 --> 00:46:03,790

parapsychologists psychologists are more

1049

00:46:08,250 --> 00:46:05,920

aware of these kinds of issues these

1050

00:46:11,280 --> 00:46:08,260

kind of methodological issues that

1051

00:46:13,080 --> 00:46:11,290

involve unintended bias on the part of

1052

00:46:16,500 --> 00:46:13,090

the experimenter and so on and so forth

1053

00:46:19,320 --> 00:46:16,510

we are kind of used to that because our

1054

00:46:22,410 --> 00:46:19,330

data is messy it's complicated it's

1055

00:46:24,870 --> 00:46:22,420

messy you have to kind of make decisions

1056

00:46:26,850 --> 00:46:24,880

about you know should I or should I

1057

00:46:28,320 --> 00:46:26,860

include that data point or shouldn't I

1058

00:46:29,820 --> 00:46:28,330

you know that wasn't that the guy who

1059

00:46:31,320 --> 00:46:29,830

maybe was when we were running

1060

00:46:33,390 --> 00:46:31,330

experiment seemed to not quite

1061

00:46:35,790 --> 00:46:33,400

understand the instructions over but now

1062

00:46:37,140 --> 00:46:35,800

it's messy messy messy whereas in the

1063

00:46:38,700 --> 00:46:37,150

Natural Sciences other thing you need to

1064

00:46:39,840 --> 00:46:38,710

worry about that very much at all you

1065

00:46:42,090 --> 00:46:39,850

know if you're a chemist you are day to

1066

00:46:45,450 --> 00:46:42,100

be you get c plus D every single time

1067

00:46:47,880 --> 00:46:45,460

you do it you know but that the drawback

1068

00:46:50,100 --> 00:46:47,890

there can be that within the natural

1069

00:46:53,390 --> 00:46:50,110

sciences because of this complete almost

1070

00:46:56,810 --> 00:46:53,400

lack of awareness of the possibility of

1071

00:46:59,840 --> 00:46:56,820

subjective bias coming in you can get

1072

00:47:02,100 --> 00:46:59,850

episodes like the benveniste episode

1073

00:47:04,140 --> 00:47:02,110

because they just simply were not aware

1074

00:47:06,990 --> 00:47:04,150

they were so naive in terms of these

1075

00:47:08,610 --> 00:47:07,000

other issues so it kind of cuts both

1076
00:47:10,410 --> 00:47:08,620
ways so just for those who don't know

1077
00:47:11,850 --> 00:47:10,420
basically they were choosing the results

1078
00:47:12,810 --> 00:47:11,860
they wanted but they were not aware that

1079
00:47:14,760 --> 00:47:12,820
they would just there were the base

1080
00:47:16,170 --> 00:47:14,770
right now it was busily discarding the

1081
00:47:17,520 --> 00:47:16,180
unwanted results but they were not doing

1082
00:47:19,830 --> 00:47:17,530
it consciously I mean gonna say

1083
00:47:22,350 --> 00:47:19,840
illustrator anecdotal I know but many

1084
00:47:24,660 --> 00:47:22,360
many years ago my partner at the time

1085
00:47:26,580 --> 00:47:24,670
was doing an internship was in a medical

1086
00:47:29,210 --> 00:47:26,590
degree at her to did an intercalated

1087
00:47:32,400 --> 00:47:29,220
year in a department of pharmacology and

1088
00:47:33,540 --> 00:47:32,410

she would tell me about the the way that

1089

00:47:35,430 --> 00:47:33,550

they were there on the lab to do their

1090

00:47:36,930 --> 00:47:35,440

experiments and they'd be plotting their

1091

00:47:38,700 --> 00:47:36,940

data points and of course they'd usually

1092

00:47:40,830 --> 00:47:38,710

come out on nice straight lines which

1093

00:47:43,170 --> 00:47:40,840

you never get inside ecology though but

1094

00:47:44,820 --> 00:47:43,180

occasionally the be a data point that

1095

00:47:46,260 --> 00:47:44,830

which was way off and they're just

1096

00:47:47,280 --> 00:47:46,270

saying elements of the dirty test tube

1097

00:47:48,690 --> 00:47:47,290

and they're just rub it out so you know

1098

00:47:50,790 --> 00:47:48,700

they wouldn't even mention that that

1099

00:47:54,510 --> 00:47:50,800

data point had occurred now in

1100

00:47:56,400 --> 00:47:54,520

psychology ideally would not do that I

1101
00:47:59,790 --> 00:47:56,410
mean and again what I'm saying is that

1102
00:48:01,410 --> 00:47:59,800
on the one hand ideally you mention

1103
00:48:03,000 --> 00:48:01,420
exactly what you've done exactly what

1104
00:48:04,440 --> 00:48:03,010
you found you justify every decision

1105
00:48:06,540 --> 00:48:04,450
you've made for the data analysis et

1106
00:48:08,730 --> 00:48:06,550
cetera et cetera in practice sometimes I

1107
00:48:09,870 --> 00:48:08,740
admit that doesn't happen you don't but

1108
00:48:11,670 --> 00:48:09,880
sometimes you wouldn't know that you've

1109
00:48:14,310 --> 00:48:11,680
actually raised your eyebrows well yeah

1110
00:48:17,850 --> 00:48:14,320
exactly it's kind of it's it's one of

1111
00:48:18,780 --> 00:48:17,860
those things that ever say I think

1112
00:48:22,730 --> 00:48:18,790
there's that there's a greater

1113
00:48:26,670 --> 00:48:22,740

appreciation of like the underlying

1114

00:48:29,490 --> 00:48:26,680

assumptions regarding the methodology

1115

00:48:31,980 --> 00:48:29,500

and when something is justified and when

1116

00:48:34,140 --> 00:48:31,990

it's not maybe within the messy social

1117

00:48:36,870 --> 00:48:34,150

sciences because yes I generally you

1118

00:48:39,150 --> 00:48:36,880

don't need it in in most areas of

1119

00:48:42,150 --> 00:48:39,160

chemistry or physics and so on but of

1120

00:48:43,620 --> 00:48:42,160

course you find that I mean you go into

1121

00:48:46,410 --> 00:48:43,630

some areas particularly very very

1122

00:48:48,690 --> 00:48:46,420

theoretical physics and well you know

1123

00:48:49,920 --> 00:48:48,700

all everything just changes i mean i

1124

00:48:51,840 --> 00:48:49,930

don't know i don't know much about

1125

00:48:54,660 --> 00:48:51,850

string theory but i understand it's very

1126

00:48:57,030 --> 00:48:54,670

very difficult to test experimental it i

1127

00:48:58,590 --> 00:48:57,040

think one of the issues of us fear is

1128

00:49:00,420 --> 00:48:58,600

that they do not occur to actually

1129

00:49:02,550 --> 00:49:00,430

currently have a test for it absolutely

1130

00:49:03,960 --> 00:49:02,560

so where do where do where does that

1131

00:49:07,050 --> 00:49:03,970

leave us you know and i'd say at least

1132

00:49:08,670 --> 00:49:07,060

psychology is probably preferably that

1133

00:49:10,290 --> 00:49:08,680

said but i mean in terms of the whole

1134

00:49:14,100 --> 00:49:10,300

kind of philosophy of science type

1135

00:49:16,530 --> 00:49:14,110

things you know some some areas it's

1136

00:49:19,680 --> 00:49:16,540

very straightforward replicability is

1137

00:49:21,180 --> 00:49:19,690

not an issue the data generally is very

1138

00:49:22,950 --> 00:49:21,190

very nice and clean but the people in

1139

00:49:24,690 --> 00:49:22,960

those areas are likely to be quite naive

1140

00:49:28,140 --> 00:49:24,700

about these kind of areas about

1141

00:49:29,940 --> 00:49:28,150

subjective buyers we for all our kind of

1142

00:49:32,160 --> 00:49:29,950

better understanding of that we also

1143

00:49:33,810 --> 00:49:32,170

have very very messy data and that the

1144

00:49:34,769 --> 00:49:33,820

difficulty is that sometimes we may then

1145

00:49:37,589 --> 00:49:34,779

say we've

1146

00:49:39,269 --> 00:49:37,599

really effect when we haven't so one

1147

00:49:41,579 --> 00:49:39,279

final question and that is to do with

1148

00:49:42,959 --> 00:49:41,589

the future I'm going to ask you to move

1149

00:49:45,599 --> 00:49:42,969

into the future and report what you'd

1150

00:49:47,339 --> 00:49:45,609

seen they're allowing a great believer

1151

00:49:48,749 --> 00:49:47,349

in precognition as you know having an

1152

00:49:51,179 --> 00:49:48,759

having had a failed replication of the

1153

00:49:54,059 --> 00:49:51,189

dems wonderful experiment and yes which

1154

00:49:56,309 --> 00:49:54,069

was never know it was we did get a post

1155

00:49:58,349 --> 00:49:56,319

it was in plus one over and in fact

1156

00:49:59,699 --> 00:49:58,359

we've got a thousand a thousand views a

1157

00:50:01,349 --> 00:49:59,709

day at one point we were getting for

1158

00:50:02,729 --> 00:50:01,359

that paper I said no it actually the now

1159

00:50:04,469 --> 00:50:02,739

that you've mentioned it you have you

1160

00:50:05,849 --> 00:50:04,479

have to actually maybe say woody okay

1161

00:50:10,620 --> 00:50:05,859

what what what Daryl BEM did he

1162

00:50:12,779 --> 00:50:10,630

published he published a paper in a

1163

00:50:14,429 --> 00:50:12,789

mainstream psychology journal journal of

1164

00:50:15,779 --> 00:50:14,439

personality and social psychology very

1165

00:50:18,269 --> 00:50:15,789

high impact journal very well respected

1166

00:50:19,919 --> 00:50:18,279

journal Daryl BEM is a professor of

1167

00:50:22,919 --> 00:50:19,929

psychology at Cornell very well

1168

00:50:25,679 --> 00:50:22,929

respected academic known to be very

1169

00:50:27,149 --> 00:50:25,689

sympathetic towards parapsychology it's

1170

00:50:29,729 --> 00:50:27,159

a series of nine experiment over a

1171

00:50:31,529 --> 00:50:29,739

thousand participants and essentially it

1172

00:50:33,390 --> 00:50:31,539

was apparently presenting very strong

1173

00:50:35,789 --> 00:50:33,400

evidence in favor of the idea that

1174

00:50:38,909 --> 00:50:35,799

people could sense future events before

1175

00:50:41,749 --> 00:50:38,919

they take in place and to Ben's credit

1176

00:50:43,620 --> 00:50:41,759

he did actually appeal for other

1177

00:50:46,769 --> 00:50:43,630

psychologists to try to replicate the

1178

00:50:49,759 --> 00:50:46,779

results so myself Richard Wiseman and

1179

00:50:52,319 --> 00:50:49,769

Stuart Richie decided would do just that

1180

00:50:54,989 --> 00:50:52,329

we each decided that we would do an

1181

00:50:56,699 --> 00:50:54,999

independent replication of Ben's

1182

00:50:59,549 --> 00:50:56,709

experiment nine which had the biggest

1183

00:51:01,079 --> 00:50:59,559

effect size and without going into

1184

00:51:03,539 --> 00:51:01,089

detail suffice it to say we didn't

1185

00:51:05,099 --> 00:51:03,549

replicate we wrote the paper a trigger

1186

00:51:06,659 --> 00:51:05,109

the study but not the results we

1187

00:51:08,249 --> 00:51:06,669

replicated yeah we replicated the study

1188

00:51:11,549 --> 00:51:08,259

methodology we did not get the results

1189

00:51:13,829 --> 00:51:11,559

that then reported exactly and we wrote

1190

00:51:15,689 --> 00:51:13,839

this herb we sent it into the same

1191

00:51:17,359 --> 00:51:15,699

journal that had published bemz very

1192

00:51:21,029 --> 00:51:17,369

controversial findings that received

1193

00:51:23,039 --> 00:51:21,039

international attention although world's

1194

00:51:25,949 --> 00:51:23,049

mainstream science media who picked up

1195

00:51:28,380 --> 00:51:25,959

on this and runs on mainstream in not

1196

00:51:30,299 --> 00:51:28,390

i'm not so made yeah they love shortly

1197

00:51:34,890 --> 00:51:30,309

baby male had so i think absolutely yeah

1198

00:51:36,809 --> 00:51:34,900

but you know Eve even even kind of more

1199

00:51:37,979 --> 00:51:36,819

serious sensible sensible newspapers

1200

00:51:40,199 --> 00:51:37,989

were kind of say oh this is really

1201
00:51:42,989 --> 00:51:40,209
interesting which it would be that which

1202
00:51:45,209 --> 00:51:42,999
if it was a replicable effect yeah we

1203
00:51:47,459 --> 00:51:45,219
did not manage to replicate his results

1204
00:51:48,070 --> 00:51:47,469
we sent our paper into the same journal

1205
00:51:50,230 --> 00:51:48,080
that I'd public

1206
00:51:52,990 --> 00:51:50,240
should the paper that caused so much

1207
00:51:55,120 --> 00:51:53,000
controversy and the editor simply

1208
00:51:57,610 --> 00:51:55,130
rejected it without even sending out for

1209
00:51:59,380 --> 00:51:57,620
peer review and we thought this was

1210
00:52:00,760 --> 00:51:59,390
wrong but he would not be swayed we got

1211
00:52:04,000 --> 00:52:00,770
the same treatment from another couple

1212
00:52:05,260 --> 00:52:04,010
of high impact journals which shows that

1213
00:52:07,330 --> 00:52:05,270

there is this bias there is a

1214

00:52:09,850 --> 00:52:07,340

publication bias in mainstream science

1215

00:52:11,590 --> 00:52:09,860

against negative against against results

1216

00:52:13,240 --> 00:52:11,600

on the one hand negative results they

1217

00:52:14,770 --> 00:52:13,250

don't want to publish results a

1218

00:52:16,840 --> 00:52:14,780

non-significant and on the other hand

1219

00:52:20,260 --> 00:52:16,850

results that just for experiments as

1220

00:52:22,990 --> 00:52:20,270

straight replications of a reported

1221

00:52:25,630 --> 00:52:23,000

effect and we think that in this case I

1222

00:52:28,720 --> 00:52:25,640

mean if this effect were real it would

1223

00:52:32,260 --> 00:52:28,730

demand a kind of complete radical

1224

00:52:34,060 --> 00:52:32,270

overhaul of physics yeah so it's really

1225

00:52:35,800 --> 00:52:34,070

important it cannot be treated in this

1226
00:52:36,940 --> 00:52:35,810
way that you publish the original paper

1227
00:52:39,010 --> 00:52:36,950
and then say that's right we're not

1228
00:52:40,770 --> 00:52:39,020
doing after that anyway long story short

1229
00:52:43,510 --> 00:52:40,780
we did get it published in PLoS ONE

1230
00:52:45,850 --> 00:52:43,520
ultimate later we did get managed to

1231
00:52:47,770 --> 00:52:45,860
generate a lot of media interest in our

1232
00:52:50,580 --> 00:52:47,780
failed replication so that was a result

1233
00:52:52,870 --> 00:52:50,590
but it fed in then to this ongoing

1234
00:52:54,940 --> 00:52:52,880
discussion and controversy about

1235
00:52:57,280 --> 00:52:54,950
replication issues in soccer one of the

1236
00:52:59,260 --> 00:52:57,290
benefits obviously of policy and in plus

1237
00:53:01,750 --> 00:52:59,270
plus one is that it's open access

1238
00:53:04,810 --> 00:53:01,760

exactly instances so anybody can

1239

00:53:08,710 --> 00:53:04,820

download that paper which I so back to

1240

00:53:10,960 --> 00:53:08,720

my question earlier but so the

1241

00:53:11,860 --> 00:53:10,970

specifically Chris Rose the what is

1242

00:53:14,680 --> 00:53:11,870

called the Society for psychical

1243

00:53:18,100 --> 00:53:14,690

Research Society say society psychic

1244

00:53:21,190 --> 00:53:18,110

psychic or psychic research has has

1245

00:53:24,220 --> 00:53:21,200

existed for a long time it's 1882 yeah

1246

00:53:26,290 --> 00:53:24,230

so far that they haven't really I mean

1247

00:53:28,360 --> 00:53:26,300

they haven't had magnificent results you

1248

00:53:30,460 --> 00:53:28,370

know nothing groundbreaking I said yeah

1249

00:53:32,590 --> 00:53:30,470

in that time no I would say that heaven

1250

00:53:34,600 --> 00:53:32,600

haven't had any positive results but

1251
00:53:36,430 --> 00:53:34,610
nothing that was grant really truly

1252
00:53:40,420 --> 00:53:36,440
groundbreaking they would expect if

1253
00:53:41,770 --> 00:53:40,430
something was a paranormal where do you

1254
00:53:45,910 --> 00:53:41,780
think they're going do you think they're

1255
00:53:47,500 --> 00:53:45,920
going anywhere and specifically let's

1256
00:53:49,720 --> 00:53:47,510
let us see him for a moment that that

1257
00:53:52,480 --> 00:53:49,730
this continues to be the way you know

1258
00:53:54,070 --> 00:53:52,490
minor positive results not replicable

1259
00:53:56,980 --> 00:53:54,080
and all that do you think they will ever

1260
00:53:59,200 --> 00:53:56,990
stop I think that's the latter day when

1261
00:54:01,150 --> 00:53:59,210
the Society for psychical research was

1262
00:54:04,579 --> 00:54:01,160
formed in eighteen eighty two

1263
00:54:06,650 --> 00:54:04,589

it was in response to really a couple of

1264

00:54:09,950 --> 00:54:06,660

things that were around at a time one

1265

00:54:13,069 --> 00:54:09,960

was that Darwin had published on the

1266

00:54:16,250 --> 00:54:13,079

origin of species and that raised

1267

00:54:18,380 --> 00:54:16,260

serious issues for scientists who were

1268

00:54:20,420 --> 00:54:18,390

Christians the clear implication was

1269

00:54:21,559 --> 00:54:20,430

well hang on when did we get the soul

1270

00:54:24,400 --> 00:54:21,569

that he come along with the opposable

1271

00:54:27,220 --> 00:54:24,410

thumb well that was down there and

1272

00:54:30,579 --> 00:54:27,230

secondly it was at the height of the

1273

00:54:32,599 --> 00:54:30,589

Victorian crazed the séances and

1274

00:54:35,329 --> 00:54:32,609

obviously been poor folders this is

1275

00:54:38,569 --> 00:54:35,339

proof of life after death the SPR was

1276

00:54:41,839 --> 00:54:38,579

founded mainly with a view to using

1277

00:54:44,000 --> 00:54:41,849

science to prove that survival

1278

00:54:45,980 --> 00:54:44,010

post-mortem survival was a reality and

1279

00:54:47,990 --> 00:54:45,990

they thought they'd do this rapidly

1280

00:54:50,870 --> 00:54:48,000

maybe 10 20 years and that would be here

1281

00:54:54,140 --> 00:54:50,880

are we done and dusted you know and a

1282

00:54:55,579 --> 00:54:54,150

few years later the American Society for

1283

00:54:56,930 --> 00:54:55,589

psychical research was founded again

1284

00:54:58,400 --> 00:54:56,940

with this very similar aims William

1285

00:55:00,620 --> 00:54:58,410

James the great William James run the

1286

00:55:02,630 --> 00:55:00,630

founding members and a lot of the people

1287

00:55:04,940 --> 00:55:02,640

who did found these societies and ran

1288

00:55:06,650 --> 00:55:04,950

them were the best thinkers of the day

1289

00:55:09,200 --> 00:55:06,660

you know they were really high level

1290

00:55:11,269 --> 00:55:09,210

intellectuals and they really work yeah

1291

00:55:13,789 --> 00:55:11,279

they weren't I'm gonna just cranks by

1292

00:55:16,190 --> 00:55:13,799

any means now the society has been going

1293

00:55:17,660 --> 00:55:16,200

now obviously for a very long time the

1294

00:55:19,990 --> 00:55:17,670

bin parapsychology has gone through

1295

00:55:22,430 --> 00:55:20,000

various changes and transformations

1296

00:55:26,029 --> 00:55:22,440

Chris row made the point today and he's

1297

00:55:27,349 --> 00:55:26,039

right that the amount of a number of

1298

00:55:30,650 --> 00:55:27,359

person hours that have gone into

1299

00:55:35,870 --> 00:55:30,660

parapsychological research is negligible

1300

00:55:38,420 --> 00:55:35,880

compared to mainstream science one point

1301

00:55:41,240 --> 00:55:38,430

I would make in reply to that is that an

1302

00:55:43,099 --> 00:55:41,250

AMA list excit has been going for it

1303

00:55:45,380 --> 00:55:43,109

even shorter period of time with even

1304

00:55:48,319 --> 00:55:45,390

fewer people but within that time we

1305

00:55:50,569 --> 00:55:48,329

have got a number of reliable replicable

1306

00:55:52,549 --> 00:55:50,579

results in terms of trying to explain

1307

00:55:56,210 --> 00:55:52,559

ostensibly paranormal experiences in

1308

00:55:59,120 --> 00:55:56,220

non-paranormal terms so yeah I think we

1309

00:56:01,309 --> 00:55:59,130

should by now i have really expected to

1310

00:56:03,170 --> 00:56:01,319

see a bit more progress if there really

1311

00:56:04,819 --> 00:56:03,180

was something and the idea now having

1312

00:56:07,089 --> 00:56:04,829

said all that I think there are very

1313

00:56:09,710 --> 00:56:07,099

good reasons to believe that

1314

00:56:12,499 --> 00:56:09,720

parapsychology will just continue with

1315

00:56:13,480 --> 00:56:12,509

the past pattern of a series of false

1316

00:56:17,109 --> 00:56:13,490

dawns

1317

00:56:18,490 --> 00:56:17,119

that because of their kind of factors

1318

00:56:21,070 --> 00:56:18,500

we've been talking about questionable

1319

00:56:22,990 --> 00:56:21,080

research practices very occasional for

1320

00:56:24,670 --> 00:56:23,000

audits is only occasional but Cajun

1321

00:56:26,590 --> 00:56:24,680

probably wouldn't be much more fraud

1322

00:56:28,240 --> 00:56:26,600

there than another area I don't support

1323

00:56:30,430 --> 00:56:28,250

in science it's just fraud in science

1324

00:56:31,960 --> 00:56:30,440

generally you know and it happens it's a

1325

00:56:33,640 --> 00:56:31,970

part of human nature is something

1326
00:56:35,200 --> 00:56:33,650
obviously we need to try and stamp out

1327
00:56:37,450 --> 00:56:35,210
and control but it's there we need to

1328
00:56:39,220 --> 00:56:37,460
recognize that and all these other

1329
00:56:41,530 --> 00:56:39,230
factors that will lead to the occasional

1330
00:56:43,900 --> 00:56:41,540
spurious Lee significant result will

1331
00:56:46,960 --> 00:56:43,910
mean that there'll be enough to

1332
00:56:48,490 --> 00:56:46,970
encourage people like Chris Rogan but

1333
00:56:50,980 --> 00:56:48,500
with whom have a great deal of respect

1334
00:56:52,330 --> 00:56:50,990
for chris to think yeah I think there

1335
00:56:53,950 --> 00:56:52,340
might be something it's just around the

1336
00:56:55,750 --> 00:56:53,960
next corner it's just around the next

1337
00:56:58,480 --> 00:56:55,760
corner and I don't think we'll ever get

1338
00:57:00,100 --> 00:56:58,490

there but again hey I could be wrong you

1339

00:57:03,030 --> 00:57:00,110

know if the parapsychologist can come up

1340

00:57:06,280 --> 00:57:03,040

with a reliable replicable robust

1341

00:57:07,600 --> 00:57:06,290

demonstration that psy is real well i'll

1342

00:57:09,400 --> 00:57:07,610

be a bit embarrassed but i'll get over

1343

00:57:11,620 --> 00:57:09,410

that you know it'd be a great advance in

1344

00:57:12,810 --> 00:57:11,630

science i'm not that in the house on it

1345

00:57:15,010 --> 00:57:12,820

though and i'm not holding my breath

1346

00:57:30,700 --> 00:57:15,020

Chris friend thank you very much thank

1347

00:57:34,640 --> 00:57:33,170

thank you for listening to the skeptic

1348

00:57:36,770 --> 00:57:34,650

zone and i'm certainly looking forward

1349

00:57:39,830 --> 00:57:36,780

to meeting some of you at the amazing

1350

00:57:43,700 --> 00:57:39,840

meeting coming up in july this year in

1351

00:57:47,540 --> 00:57:43,710

Las Vegas more information at WWE r and

1352

00:57:49,880 --> 00:57:47,550

org it'll be great to catch up with well

1353

00:57:53,240 --> 00:57:49,890

people I only see once a year and of

1354

00:57:55,190 --> 00:57:53,250

course James Randi himself and what a

1355

00:57:58,130 --> 00:57:55,200

lineup they have for the amazing meeting

1356

00:58:00,620 --> 00:57:58,140

this year well what can I say it's

1357

00:58:02,360 --> 00:58:00,630

amazing and thank you again to those

1358

00:58:04,730 --> 00:58:02,370

people who chip in to the skeptic zone

1359

00:58:07,760 --> 00:58:04,740

most less than a dollar a week some a

1360

00:58:10,790 --> 00:58:07,770

little bit more and some even send or

1361

00:58:13,670 --> 00:58:10,800

quite a bit more money our way to help

1362

00:58:15,590 --> 00:58:13,680

us keep producing the show it's very

1363

00:58:17,890 --> 00:58:15,600

much appreciated and this simply

1364

00:58:20,180 --> 00:58:17,900

wouldn't be a show without that support

1365

00:58:22,370 --> 00:58:20,190

but for this week this is Richard

1366

00:58:28,310 --> 00:58:22,380

Saunders signing off from Sydney

1367

00:58:33,020 --> 00:58:28,320

Australia you've been listening to the

1368

00:58:36,860 --> 00:58:33,030

skeptic zone visit her website at www