

1
00:00:00,319 --> 00:00:07,080
hey guys Jay novela here simple question

2
00:00:03,658 --> 00:00:08,969
where will you be this November because

3
00:00:07,080 --> 00:00:10,710
I know I'm going to be at the Australian

4
00:00:08,970 --> 00:00:12,300
skeptics national convention in Sydney

5
00:00:10,710 --> 00:00:13,679
and so will all the rest of us from the

6
00:00:12,300 --> 00:00:16,769
skeptics guide to the universe including

7
00:00:13,679 --> 00:00:18,960
George Rob and Dick Smith and dr. Karl

8
00:00:16,769 --> 00:00:21,960
and dr. Reggie and lots of other awesome

9
00:00:18,960 --> 00:00:24,089
people why aren't you going did you not

10
00:00:21,960 --> 00:00:25,679
sign up yet get on there and sign up

11
00:00:24,089 --> 00:00:27,660
this is going to be some epic stuff here

12
00:00:25,679 --> 00:00:38,128
you don't want to miss it go to skeptics

13
00:00:27,660 --> 00:00:40,558
com au forward slash convention welcome

14
00:00:38,128 --> 00:00:44,869
to the skeptic zone the pub caused from

15
00:00:40,558 --> 00:00:44,869
Australia for science and reason

16
00:00:53,439 --> 00:01:04,189
hello and welcome to the skeptic zone

17
00:00:56,329 --> 00:01:07,609
episode number 292 292 300 is not so far

18
00:01:04,189 --> 00:01:09,469
away for the 25th of May 2014 Richard

19
00:01:07,609 --> 00:01:12,200
Saunders here with you from Sydney

20
00:01:09,469 --> 00:01:14,000
Australia what's coming up on this

21
00:01:12,200 --> 00:01:17,689
week's episode we're going to kick off

22
00:01:14,000 --> 00:01:19,310
with a little bit from just last night

23
00:01:17,689 --> 00:01:21,019
here in Sydney we had the Australian

24
00:01:19,310 --> 00:01:24,978
skeptics dinner we have them four times

25
00:01:21,019 --> 00:01:27,259
a year lovely buffet dinner with what

26
00:01:24,978 --> 00:01:31,280
did we have we had curried prawns and we

27
00:01:27,259 --> 00:01:34,219
had sort of ricin and Asian noodle type

28
00:01:31,280 --> 00:01:37,728
dish and our beef and ham and vegetables

29

00:01:34,219 --> 00:01:39,259
and dumb thanks Lee I think I better

30
00:01:37,728 --> 00:01:41,599
start running downstairs for the fridge

31
00:01:39,259 --> 00:01:43,549
straight away we had a really great

32
00:01:41,599 --> 00:01:47,329
night know a good crowd turned up to

33
00:01:43,549 --> 00:01:50,450
hear dr. Cameron Webb talk about blood

34
00:01:47,329 --> 00:01:53,149
sucking insects and mosquitoes it was

35
00:01:50,450 --> 00:01:54,728
really really interesting so some little

36
00:01:53,149 --> 00:01:57,618
bits and pieces from the dinner

37
00:01:54,728 --> 00:02:00,879
including an interview with Tim mendham

38
00:01:57,618 --> 00:02:03,409
the editor of the skeptic magazine and

39
00:02:00,879 --> 00:02:06,500
tim is going to be telling us what's

40
00:02:03,409 --> 00:02:08,360
coming up in the next issue something to

41
00:02:06,500 --> 00:02:11,299
look forward to for those lucky people

42
00:02:08,360 --> 00:02:13,750
who subscribe to the skeptic following

43
00:02:11,299 --> 00:02:17,480

that it's evidence please with Joe

44

00:02:13,750 --> 00:02:19,400

alabaster Joe visits Canberra skeptics

45

00:02:17,479 --> 00:02:22,639

in the pub and talks to Andrew Gould

46

00:02:19,400 --> 00:02:25,370

about many things including Jeff Wags

47

00:02:22,639 --> 00:02:27,229

College of Curiosity and a new crew

48

00:02:25,370 --> 00:02:30,110

coming up Jeff is putting together and

49

00:02:27,229 --> 00:02:32,719

then Joe we'll talk to Ken MacLeod long

50

00:02:30,110 --> 00:02:36,260

time campaigner against the

51

00:02:32,719 --> 00:02:38,389

anti-vaccination crowd and Ken will tell

52

00:02:36,259 --> 00:02:41,419

us a little bit more about stop the

53

00:02:38,389 --> 00:02:43,819

avian following that it's a week in

54

00:02:41,419 --> 00:02:47,208

science from the Royal Institution of

55

00:02:43,819 --> 00:02:49,459

Australia RI a u.s. dog today you and

56

00:02:47,209 --> 00:02:50,810

just the other night thank you to Paul

57

00:02:49,459 --> 00:02:54,409

Willis the director of the Royal

58
00:02:50,810 --> 00:02:56,629
Institution of Australia I am attended

59
00:02:54,409 --> 00:02:58,370
the science of Doctor Who the show

60
00:02:56,629 --> 00:03:01,039
that's traveling around Australia at the

61
00:02:58,370 --> 00:03:02,419
moment and what a fun night that was one

62
00:03:01,039 --> 00:03:05,090
of the great things about the shows they

63
00:03:02,419 --> 00:03:05,540
encouraged you to use your mobile device

64
00:03:05,090 --> 00:03:10,128
take

65
00:03:05,539 --> 00:03:12,739
photographs tweet and participate in the

66
00:03:10,128 --> 00:03:14,840
show with live interactive polls and

67
00:03:12,739 --> 00:03:18,259
things like that our great fun time

68
00:03:14,840 --> 00:03:19,908
travel regeneration black holes yeah the

69
00:03:18,259 --> 00:03:23,568
science of Doctor Who well done royal

70
00:03:19,908 --> 00:03:24,979
institution of Australia and BBC then

71
00:03:23,568 --> 00:03:27,259
the round off the show it's a grain of

72
00:03:24,979 --> 00:03:30,738
salt with a run so give more reports

73
00:03:27,259 --> 00:03:33,548
from QED the convention in Manchester a

74
00:03:30,739 --> 00:03:36,620
little earlier on in the year this week

75
00:03:33,549 --> 00:03:38,719
we're on chat stew professor christopher

76
00:03:36,620 --> 00:03:40,969
french it's a really interesting

77
00:03:38,719 --> 00:03:45,158
interview going to hear Christopher

78
00:03:40,969 --> 00:03:48,039
French's our views on parapsychology in

79
00:03:45,158 --> 00:03:51,608
other news I've been filming some more

80
00:03:48,039 --> 00:03:53,929
interviews and clips for my upcoming

81
00:03:51,609 --> 00:03:55,879
little documentary the vaccination

82
00:03:53,930 --> 00:03:59,150
chronicle so looking back this has taken

83
00:03:55,878 --> 00:04:01,668
quite a long time around 18 months so

84
00:03:59,150 --> 00:04:06,049
far I'm certainly aiming to have it up

85
00:04:01,669 --> 00:04:08,329
before the amazing meeting in July this

86

00:04:06,049 --> 00:04:09,739
year and it's so nice that I remember

87
00:04:08,329 --> 00:04:12,139
that when I started this project people

88
00:04:09,739 --> 00:04:14,780
chipped in to help me buy some video

89
00:04:12,139 --> 00:04:17,239
editing equipment but more on that in

90
00:04:14,780 --> 00:04:19,189
the coming weeks now my friend Alison

91
00:04:17,238 --> 00:04:21,489
Smith who I mentioned last week who made

92
00:04:19,189 --> 00:04:24,560
a little a fan video for Doctor Who

93
00:04:21,490 --> 00:04:28,819
trying to raise funds to go to the UK

94
00:04:24,560 --> 00:04:31,550
from America to visit I am a Doctor Who

95
00:04:28,819 --> 00:04:38,000
convention you can check out her video

96
00:04:31,550 --> 00:04:40,009
at the time run calm she almost reached

97
00:04:38,000 --> 00:04:42,050
her goal people chipping in to send her

98
00:04:40,009 --> 00:04:43,819
to America thank you to all those people

99
00:04:42,050 --> 00:04:46,520
who have been kind enough to do that and

100
00:04:43,819 --> 00:04:49,759

if you haven't seen the time run check

101

00:04:46,519 --> 00:04:52,609

it out and thanks to get bonne terre in

102

00:04:49,759 --> 00:04:55,158

Belgium the winner of the cosmos packed

103

00:04:52,610 --> 00:04:59,270

some time ago I sent the pack over to

104

00:04:55,158 --> 00:05:01,969

him via see mail because the ml price

105

00:04:59,269 --> 00:05:04,418

was outrageous it took a couple of

106

00:05:01,970 --> 00:05:06,620

months but the cosmos packed arrived

107

00:05:04,418 --> 00:05:09,348

well that's all from me at the moment

108

00:05:06,620 --> 00:05:10,939

I'm gonna run downstairs have a look in

109

00:05:09,348 --> 00:05:14,000

the kitchen see if I can't find some

110

00:05:10,939 --> 00:05:18,649

bagels toast them up with cream cheese

111

00:05:14,000 --> 00:05:19,310

and smoked salmon well I'm enjoying that

112

00:05:18,649 --> 00:05:23,019

I hope you

113

00:05:19,310 --> 00:05:23,019

enjoy the skeptic zone

114

00:05:45,790 --> 00:05:52,069

good evening thank you once again for

115
00:05:48,769 --> 00:05:53,569
coming to the skeptics dinner my name is

116
00:05:52,069 --> 00:05:57,529
Richard Saunders I'm the president of

117
00:05:53,569 --> 00:05:59,300
Australian skeptics ink on that table we

118
00:05:57,529 --> 00:06:01,129
have magicians going at the moment so

119
00:05:59,300 --> 00:06:04,460
the people on that paper a little bit

120
00:06:01,129 --> 00:06:06,850
distracted we have various committee

121
00:06:04,459 --> 00:06:09,949
members from the Australian skeptics

122
00:06:06,850 --> 00:06:12,260
community here with this tonight dr.

123
00:06:09,949 --> 00:06:18,079
rachel dunlop dr. AG vice president

124
00:06:12,259 --> 00:06:21,670
hello oh yes bigger things John Boehner

125
00:06:18,079 --> 00:06:23,990
boo sitting right beside hello Joe yes

126
00:06:21,670 --> 00:06:31,129
slightly less applause I'm not sure

127
00:06:23,990 --> 00:06:33,800
about that we have our treasurer Martin

128
00:06:31,129 --> 00:06:37,550
Hadley up back there yesterday yeah

129
00:06:33,800 --> 00:06:45,259
she's money hope Tim mendham our editor

130
00:06:37,550 --> 00:06:48,829
over there last of our public money

131
00:06:45,259 --> 00:06:51,789
always right Iran say give down the

132
00:06:48,829 --> 00:06:51,789
frontier ladies and gentlemen

133
00:06:52,839 --> 00:06:58,369
incidentally some of you may have know

134
00:06:56,120 --> 00:06:59,899
about the the organization the Friends

135
00:06:58,370 --> 00:07:03,829
of science and medicine who do a

136
00:06:59,899 --> 00:07:06,379
wonderful job as specifically targeting

137
00:07:03,829 --> 00:07:08,810
quackery and promoting good medicine if

138
00:07:06,379 --> 00:07:10,159
you have questions about friends of

139
00:07:08,810 --> 00:07:11,930
science and medicine and the good work

140
00:07:10,160 --> 00:07:14,180
they're doing Joe Mennie moon here is on

141
00:07:11,930 --> 00:07:16,459
the executive and at any time I'm sure

142
00:07:14,180 --> 00:07:18,110
she'll be happy to answer your questions

143

00:07:16,459 --> 00:07:19,639
or you can find out more about the

144
00:07:18,110 --> 00:07:22,480
Friends of science and medicine there's

145
00:07:19,639 --> 00:07:25,699
an organization that Australian skeptics

146
00:07:22,480 --> 00:07:26,930
quite happily support we've been having

147
00:07:25,699 --> 00:07:29,269
an interesting time likely in the

148
00:07:26,930 --> 00:07:32,900
Australian skeptics we've got at least

149
00:07:29,269 --> 00:07:34,339
two challenges on the Gotham up now as

150
00:07:32,899 --> 00:07:36,829
you know we have a hundred thousand

151
00:07:34,339 --> 00:07:40,609
dollar prize to the first person who can

152
00:07:36,829 --> 00:07:43,149
prove more or less their claim can soak

153
00:07:40,610 --> 00:07:45,439
and navigate the laws of physics or

154
00:07:43,149 --> 00:07:48,439
change our understanding of science

155
00:07:45,439 --> 00:07:49,240
basically it was set up originally for

156
00:07:48,439 --> 00:07:51,459
her

157
00:07:49,240 --> 00:07:56,379

oval water divining that sort of thing

158

00:07:51,459 --> 00:07:58,029

well we have a psychic in Victoria it

159

00:07:56,379 --> 00:08:00,610

was very interested and has come forward

160

00:07:58,029 --> 00:08:02,829

and is in negotiations at the moment

161

00:08:00,610 --> 00:08:06,520

with the Victorian skeptics to set up a

162

00:08:02,829 --> 00:08:10,120

test of her psychic ability she claims

163

00:08:06,519 --> 00:08:12,129

she can communicate with those who have

164

00:08:10,120 --> 00:08:14,199

passed over as if they were standing

165

00:08:12,129 --> 00:08:16,478

right there in the room which we find is

166

00:08:14,199 --> 00:08:18,038

a very interesting claim well she also

167

00:08:16,478 --> 00:08:20,949

claims she can do something called

168

00:08:18,038 --> 00:08:23,740

psychometry which is getting vibrations

169

00:08:20,949 --> 00:08:26,348

and feelings and mystical insights off

170

00:08:23,740 --> 00:08:28,509

personal objects so we're sort of

171

00:08:26,348 --> 00:08:31,560

angling to that sort of test if we give

172
00:08:28,509 --> 00:08:33,700
her objects watches or I don't know what

173
00:08:31,560 --> 00:08:35,860
hopefully she can tell us about the

174
00:08:33,700 --> 00:08:37,719
owner of that object but we'll see how

175
00:08:35,860 --> 00:08:40,240
that goes that report will be coming up

176
00:08:37,719 --> 00:08:42,700
in the skeptic magazine a full report

177
00:08:40,240 --> 00:08:44,620
when that happens we're not exactly sure

178
00:08:42,700 --> 00:08:46,450
how long that's going to take if you're

179
00:08:44,620 --> 00:08:48,429
not a subscriber to the skeptic magazine

180
00:08:46,450 --> 00:08:51,490
Tim who I think just fled the room

181
00:08:48,429 --> 00:08:53,789
because he always does when I I start to

182
00:08:51,490 --> 00:08:55,990
talk and Tim can help you out with

183
00:08:53,789 --> 00:08:57,610
subscriptions it's the second oldest

184
00:08:55,990 --> 00:08:59,259
skeptical journal in the world we think

185
00:08:57,610 --> 00:09:01,509
it's a corker we think it's certainly

186
00:08:59,259 --> 00:09:03,759
one of the best and it's a great way for

187
00:09:01,509 --> 00:09:07,588
you to show your superiors that's the

188
00:09:03,759 --> 00:09:10,179
man yeah we've been talking about you

189
00:09:07,589 --> 00:09:11,890
it's a wonderful way for you to show

190
00:09:10,179 --> 00:09:15,009
your support for what we do with the

191
00:09:11,889 --> 00:09:17,319
skeptics coming tonight is a wonderful

192
00:09:15,009 --> 00:09:18,970
way but subscribing to our magazine and

193
00:09:17,320 --> 00:09:20,560
encouraging your friends to subscribe to

194
00:09:18,970 --> 00:09:22,540
our magazine is a wonderful thing to do

195
00:09:20,559 --> 00:09:24,219
and as I said we think it's a good

196
00:09:22,539 --> 00:09:27,969
magazine we get reports from all around

197
00:09:24,220 --> 00:09:29,620
the world this one coming up Tim there's

198
00:09:27,970 --> 00:09:31,389
even a report by me i went to a

199
00:09:29,620 --> 00:09:34,149
paranormal convention a couple of weeks

200

00:09:31,389 --> 00:09:36,309
ago and i had to sit through talks on

201
00:09:34,149 --> 00:09:38,350
monsters and ghosts and everything but

202
00:09:36,309 --> 00:09:40,599
was a lot of fun that report coming up

203
00:09:38,350 --> 00:09:42,370
well the other claim we have or possible

204
00:09:40,600 --> 00:09:44,680
claim is somebody who says they've

205
00:09:42,370 --> 00:09:46,659
invented an over unity engine in other

206
00:09:44,679 --> 00:09:49,479
words this engine will produce more

207
00:09:46,659 --> 00:09:51,350
power than it consumes okay can't wait

208
00:09:49,480 --> 00:09:54,830
to see that one

209
00:09:51,350 --> 00:09:58,070
plug it into my car I tell you what the

210
00:09:54,830 --> 00:10:00,440
other ongoing exciting news of course is

211
00:09:58,070 --> 00:10:02,870
the Australian skeptics convention this

212
00:10:00,440 --> 00:10:05,420
year in chatswood on the 28th 29th and

213
00:10:02,870 --> 00:10:07,490
30th of November we're flying in all

214
00:10:05,419 --> 00:10:10,789

sorts of wonderful international guests

215

00:10:07,490 --> 00:10:12,680

for that I was only met up with dr. Cole

216

00:10:10,789 --> 00:10:14,419

so this give the other day for a catch

217

00:10:12,679 --> 00:10:16,039

up and he's very excited to be speaking

218

00:10:14,419 --> 00:10:18,649

at the Australian skeptics convention so

219

00:10:16,039 --> 00:10:20,360

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

220

00:10:18,649 --> 00:10:21,679

Rachel be giving a talk of course we've

221

00:10:20,360 --> 00:10:24,980

got the skeptics guide to the universe

222

00:10:21,679 --> 00:10:26,689

people coming George Arab who is a very

223

00:10:24,980 --> 00:10:28,129

famous skeptical entertainer from the

224

00:10:26,690 --> 00:10:29,900

United States and lots of other people

225

00:10:28,129 --> 00:10:31,580

dick smith will be there and lots of

226

00:10:29,899 --> 00:10:34,009

other people get to be announced it's

227

00:10:31,580 --> 00:10:37,250

very exciting tickets are still

228

00:10:34,009 --> 00:10:39,740

available you can always find out more

229
00:10:37,250 --> 00:10:41,360
at our website or just by asking any of

230
00:10:39,740 --> 00:10:42,799
the committee members here tonight we

231
00:10:41,360 --> 00:10:45,019
hope we'll see you at the convention

232
00:10:42,799 --> 00:10:48,079
it's going to be a great convention and

233
00:10:45,019 --> 00:10:50,179
of course our ongoing as many of you

234
00:10:48,080 --> 00:10:52,070
know and many you come along to skeptics

235
00:10:50,179 --> 00:10:55,129
in the pub first thursday of every month

236
00:10:52,070 --> 00:10:58,730
at the crown hotel in the city very

237
00:10:55,129 --> 00:11:01,070
relaxed lots of good times lots of very

238
00:10:58,730 --> 00:11:03,080
interesting speakers we have it skeptics

239
00:11:01,070 --> 00:11:06,620
at the pub more information at our

240
00:11:03,080 --> 00:11:08,690
website we'll just ask anybody here I'm

241
00:11:06,620 --> 00:11:12,139
also delighted to say tonight we have to

242
00:11:08,690 --> 00:11:14,030
give away some lucky person will be

243
00:11:12,139 --> 00:11:16,759
getting their dinner for free tonight a

244
00:11:14,029 --> 00:11:19,429
bit later on and another person will be

245
00:11:16,759 --> 00:11:21,799
getting courtesy of the national

246
00:11:19,429 --> 00:11:23,539
geographic channel a cosmos prize pack

247
00:11:21,799 --> 00:11:28,909
tonight consisting of the cosmos carry

248
00:11:23,539 --> 00:11:32,329
bag hello because most book by Carl

249
00:11:28,909 --> 00:11:35,289
Sagan and cosmos notepad so you can

250
00:11:32,330 --> 00:11:38,170
write your cosmos notes it if iceberg

251
00:11:35,289 --> 00:11:40,028
oh that's very kind of the National

252
00:11:38,169 --> 00:11:41,740
Geographic people it's obviously part of

253
00:11:40,028 --> 00:11:43,149
their own outreach and promotion but

254
00:11:41,740 --> 00:11:46,139
they gave us several copies of this

255
00:11:43,149 --> 00:11:49,990
little prize pack to give away and I

256
00:11:46,139 --> 00:11:52,389
been enjoying that the series immensely

257

00:11:49,990 --> 00:11:54,068
it's of course it's the reboot as it

258
00:11:52,389 --> 00:11:56,740
were from the original series in the

259
00:11:54,068 --> 00:12:00,129
1980s with Carl Sagan this time with

260
00:11:56,740 --> 00:12:06,610
Neil deGrasse Tyson being the host of

261
00:12:00,129 --> 00:12:08,620
the show well with the Australian

262
00:12:06,610 --> 00:12:11,500
skeptics dinner here in Sydney with a

263
00:12:08,620 --> 00:12:14,379
great talk tonight by dr. Cameron Webb

264
00:12:11,500 --> 00:12:15,818
about insects that bite you and suck

265
00:12:14,379 --> 00:12:18,039
your blood and mosquitoes and

266
00:12:15,818 --> 00:12:19,750
mosquito-borne viruses and things I with

267
00:12:18,039 --> 00:12:21,458
Tim mendham the editor of the skeptic

268
00:12:19,750 --> 00:12:23,860
magazine hello Tim hello they have

269
00:12:21,458 --> 00:12:25,778
Richard now what's coming up in the

270
00:12:23,860 --> 00:12:28,149
latest or the next issue i should say of

271
00:12:25,778 --> 00:12:30,039

the skeptic magazine we have a wonderful

272

00:12:28,149 --> 00:12:32,019

article written by someone not quite

273

00:12:30,039 --> 00:12:34,509

sure who it is a report on a paranormal

274

00:12:32,019 --> 00:12:35,828

convention really i bet we also have

275

00:12:34,509 --> 00:12:38,139

some incriminating photographs at the

276

00:12:35,828 --> 00:12:41,609

same person see sort of snuggling up to

277

00:12:38,139 --> 00:12:44,289

some paranormal Oh sexy so yes we got it

278

00:12:41,610 --> 00:12:48,039

mixed bag a because article talking

279

00:12:44,289 --> 00:12:51,250

about pet welfare check will and and

280

00:12:48,039 --> 00:12:52,659

animal welfare myths which is really

281

00:12:51,250 --> 00:12:54,549

weird actually that's an interesting

282

00:12:52,659 --> 00:12:56,169

topic actually bring ya ma put a few

283

00:12:54,549 --> 00:12:58,479

noses out of joint for that Seth so I

284

00:12:56,169 --> 00:13:01,629

always fun you know in my time I've seen

285

00:12:58,480 --> 00:13:03,310

devices for pets that would like the

286
00:13:01,629 --> 00:13:04,778
power beds except there are collars and

287
00:13:03,309 --> 00:13:06,219
things that didn't do anything no no

288
00:13:04,778 --> 00:13:08,620
this is actually also about how we treat

289
00:13:06,220 --> 00:13:11,440
animals oh and and and some of our

290
00:13:08,620 --> 00:13:13,179
impressions of anthropomorphism and big

291
00:13:11,440 --> 00:13:15,339
words like that I can't say that word I

292
00:13:13,179 --> 00:13:19,059
can't say they would I can't say istmas

293
00:13:15,339 --> 00:13:21,069
don't you go with isthmus I will so have

294
00:13:19,059 --> 00:13:23,888
articles about pseudoscience about the

295
00:13:21,068 --> 00:13:25,269
growth of pseudoscience and as was where

296
00:13:23,889 --> 00:13:27,310
the author describes at pseudoscience

297
00:13:25,269 --> 00:13:29,620
with teeth are asian sexy instead of

298
00:13:27,309 --> 00:13:31,359
getting very very nasty major

299
00:13:29,620 --> 00:13:33,759
implications we have articles about the

300
00:13:31,360 --> 00:13:34,930
other side about skepticism how to deal

301
00:13:33,759 --> 00:13:36,959
with pseudoscience we've got some

302
00:13:34,929 --> 00:13:38,469
definitions of that have put forward by

303
00:13:36,958 --> 00:13:41,069
pseudo-scientists and what they really

304
00:13:38,470 --> 00:13:43,139
mean we've got some websites to avoid

305
00:13:41,070 --> 00:13:44,910
oops I don't know here that's what's

306
00:13:43,139 --> 00:13:46,379
cool actually but really that's what the

307
00:13:44,909 --> 00:13:49,259
article called a very you must be psycho

308
00:13:46,379 --> 00:13:50,939
I must say yes I am here what else we go

309
00:13:49,259 --> 00:13:52,230
whole range of other stuff fun trying to

310
00:13:50,940 --> 00:13:54,660
think actually you caught me off guard

311
00:13:52,230 --> 00:13:56,580
at the election oh you um you get a lot

312
00:13:54,659 --> 00:13:58,679
of contributions to the skeptic magazine

313
00:13:56,580 --> 00:14:01,470
coming in but you're always interested

314

00:13:58,679 --> 00:14:03,059
in in people having a go and writing

315
00:14:01,470 --> 00:14:05,129
articles or reports for the skeptic

316
00:14:03,059 --> 00:14:06,809
magazine absolutely i mean so I welcome

317
00:14:05,129 --> 00:14:08,340
any contributions actually Richard I'm

318
00:14:06,809 --> 00:14:10,199
in sort of always came to get a

319
00:14:08,340 --> 00:14:13,560
diversity of authors and a diversity of

320
00:14:10,200 --> 00:14:14,910
topics very much and like any editor of

321
00:14:13,559 --> 00:14:16,469
any publication and we'd love to see

322
00:14:14,909 --> 00:14:18,329
things being submitted how many people

323
00:14:16,470 --> 00:14:20,310
out there want to submit something to

324
00:14:18,330 --> 00:14:22,620
you they can simply send you an email

325
00:14:20,309 --> 00:14:24,059
with their idea and you can sort of take

326
00:14:22,620 --> 00:14:26,250
it from there so people out there don't

327
00:14:24,059 --> 00:14:28,439
be afraid don't think you'll never be

328
00:14:26,250 --> 00:14:30,360

published because you might you could

329

00:14:28,440 --> 00:14:32,070

see your name in print you could and on

330

00:14:30,360 --> 00:14:33,149

the big screen I'm gonna fix it okay the

331

00:14:32,070 --> 00:14:35,370

best ways to actually send me an email

332

00:14:33,149 --> 00:14:37,340

first of all just in 10 words or less

333

00:14:35,370 --> 00:14:39,090

I'd like to write an article about this

334

00:14:37,340 --> 00:14:40,800

yeah when you might have covered it

335

00:14:39,090 --> 00:14:42,629

really recently so you save yourself the

336

00:14:40,799 --> 00:14:45,240

effort but it was a good idea i'll jump

337

00:14:42,629 --> 00:14:47,129

at it and that's editor at skeptics

338

00:14:45,240 --> 00:14:50,159

accommodating that's the one and that's

339

00:14:47,129 --> 00:14:54,269

a spelt with a k we spill our skeptic to

340

00:14:50,159 --> 00:14:55,889

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

341

00:14:54,269 --> 00:14:57,539

dinner at the moment and on the table in

342

00:14:55,889 --> 00:14:59,580

front of me that our little registration

343
00:14:57,539 --> 00:15:02,209
desk one two three four five six seven

344
00:14:59,580 --> 00:15:07,170
eight nine ten eleven twelve thirteen up

345
00:15:02,210 --> 00:15:08,820
and more 14 issues of the skeptic

346
00:15:07,169 --> 00:15:12,299
magazine which you've personally been

347
00:15:08,820 --> 00:15:15,510
responsible for but going back now at

348
00:15:12,299 --> 00:15:17,759
five six five years yeah since our 2009

349
00:15:15,509 --> 00:15:20,460
halfway three 2009 the magazine goes

350
00:15:17,759 --> 00:15:22,110
back 34 years it does it's the second

351
00:15:20,460 --> 00:15:23,730
longest skeptic magazine in the world it

352
00:15:22,110 --> 00:15:27,629
does and as our listeners know if they

353
00:15:23,730 --> 00:15:30,389
go to ww skeptics Comte you not only can

354
00:15:27,629 --> 00:15:32,399
they download the back issues free and

355
00:15:30,389 --> 00:15:34,470
view them on their I device or on their

356
00:15:32,399 --> 00:15:36,870
screen or print them out but they can

357
00:15:34,470 --> 00:15:39,360
subscribe to the current I can't do that

358
00:15:36,870 --> 00:15:40,649
handy and we encourage listeners to do

359
00:15:39,360 --> 00:15:42,600
that no matter where they around the

360
00:15:40,649 --> 00:15:47,429
world because if you live in Australia

361
00:15:42,600 --> 00:15:49,200
it's wonderful to get this some physical

362
00:15:47,429 --> 00:15:50,879
copy I'm trying to read and thumb

363
00:15:49,200 --> 00:15:52,660
through the pages not trying to do here

364
00:15:50,879 --> 00:15:55,159
we go

365
00:15:52,659 --> 00:15:56,689
I'm nothing eating accelerating nothing

366
00:15:55,159 --> 00:15:58,129
like the sound of a real magazine and

367
00:15:56,690 --> 00:16:00,170
I'm have to have a hard copy hey don't

368
00:15:58,129 --> 00:16:02,179
they tell me more I could get a digital

369
00:16:00,169 --> 00:16:03,469
copy digital copies will copy that

370
00:16:02,179 --> 00:16:05,719
downloads under there under there I

371

00:16:03,470 --> 00:16:07,340
preferred format yeah preferred platform

372
00:16:05,720 --> 00:16:08,990
and of course especially for people who

373
00:16:07,340 --> 00:16:11,120
are over seeds that's a wonderful

374
00:16:08,990 --> 00:16:12,379
opportunity and it gets them a lot

375
00:16:11,120 --> 00:16:14,629
quicker do it doesn't get any of them a

376
00:16:12,379 --> 00:16:16,100
lot quicker yes all the information for

377
00:16:14,629 --> 00:16:17,120
subscription no matter where you are in

378
00:16:16,100 --> 00:16:19,610
the world if you want a hard copy

379
00:16:17,120 --> 00:16:21,799
overseas you can do that if you're if

380
00:16:19,610 --> 00:16:24,289
you so desire or the digital copy

381
00:16:21,799 --> 00:16:25,789
skeptics Comte you Tim can't wait wins

382
00:16:24,289 --> 00:16:28,189
that out pretty soon I think next month

383
00:16:25,789 --> 00:16:29,659
out early next month early next month

384
00:16:28,190 --> 00:16:31,490
which is not far away week's time from

385
00:16:29,659 --> 00:16:33,769

now excellent so it really in May a

386

00:16:31,490 --> 00:16:34,970

plate Manor we at listeners know that

387

00:16:33,769 --> 00:16:36,350

because that's when most of them are

388

00:16:34,970 --> 00:16:37,519

listening to this all right okay good

389

00:16:36,350 --> 00:16:39,529

unless you're listening to us in the

390

00:16:37,519 --> 00:16:40,879

future look we do have some people who

391

00:16:39,529 --> 00:16:41,959

listen to the future and they double

392

00:16:40,879 --> 00:16:43,250

back and they've already read the

393

00:16:41,960 --> 00:16:48,680

magazine interesting things the people

394

00:16:43,250 --> 00:16:50,659

listen to us from the past but they can

395

00:16:48,679 --> 00:16:53,239

they can tell us not to do all the bad

396

00:16:50,659 --> 00:16:54,649

mistakes have done in our life yeah as

397

00:16:53,240 --> 00:16:56,360

we fail and white won't figure that one

398

00:16:54,649 --> 00:16:59,709

out went to and thanks to him at

399

00:16:56,360 --> 00:16:59,710

pleasure entirely as always

400
00:17:13,880 --> 00:17:21,589
hey Kenny oh hi Tom nicely at this part

401
00:17:17,849 --> 00:17:24,000
yeah yes great weather oh look a unicorn

402
00:17:21,588 --> 00:17:27,179
unicorn there are no such things as

403
00:17:24,000 --> 00:17:29,369
unicorns silly yes there is no there

404
00:17:27,180 --> 00:17:32,490
isn't hey guys what are you arguing

405
00:17:29,369 --> 00:17:35,250
about tom thinks unicorns are real hey

406
00:17:32,490 --> 00:17:38,009
so are let's look us up in the skeptics

407
00:17:35,250 --> 00:17:40,109
dictionary the what how can we do this

408
00:17:38,009 --> 00:17:41,789
in this park there is the computer here

409
00:17:40,109 --> 00:17:43,859
you guys probably don't know about the

410
00:17:41,789 --> 00:17:46,769
skeptics dictionary app available now

411
00:17:43,859 --> 00:17:50,250
for iPhone iPad and iPod touch in the

412
00:17:46,769 --> 00:17:52,109
App Store Wow cool the app lets you

413
00:17:50,250 --> 00:17:53,789
access all of the great skeptics

414
00:17:52,109 --> 00:17:57,149
dictionary articles when you're on the

415
00:17:53,789 --> 00:18:00,000
go here let me look up unicorns now cool

416
00:17:57,150 --> 00:18:02,070
Kenny prepare to be proven wrong it says

417
00:18:00,000 --> 00:18:05,819
here the Unicorn is a creature from

418
00:18:02,069 --> 00:18:07,319
fables aha actually I see now that

419
00:18:05,819 --> 00:18:10,109
someone just dumped their ice cream cone

420
00:18:07,319 --> 00:18:13,579
on that horse's head thanks skeptics

421
00:18:10,109 --> 00:18:13,579
dictionary iphone app

422
00:18:17,130 --> 00:18:24,890
what we want is some more evidence

423
00:18:20,069 --> 00:18:24,889
please is Joe alabaster

424
00:18:29,309 --> 00:18:34,690
hello this is Joe alabaster I am at

425
00:18:32,529 --> 00:18:36,819
Canberra skeptics in the pub this week

426
00:18:34,690 --> 00:18:39,640
and I'm sitting here at the moment with

427
00:18:36,819 --> 00:18:41,409
Andrew gold Andrew hello hi Joe how you

428

00:18:39,640 --> 00:18:45,580
doing I'm good thank you and yourself I

429
00:18:41,410 --> 00:18:47,680
am very well that is wonderful um have

430
00:18:45,579 --> 00:18:49,210
you got any information as to what's

431
00:18:47,680 --> 00:18:52,630
going on with Canberra skeptics in the

432
00:18:49,210 --> 00:18:55,960
pub camera skeptics in the pub as usual

433
00:18:52,630 --> 00:18:58,840
we have a meet up at the third Sunday of

434
00:18:55,960 --> 00:19:01,269
every month check our facebook group or

435
00:18:58,839 --> 00:19:04,509
the Canberra social sphere skeptics

436
00:19:01,269 --> 00:19:07,960
meetup group for more details about that

437
00:19:04,509 --> 00:19:10,390
we've also got the regular monthly

438
00:19:07,960 --> 00:19:13,720
lecture from the Canberra skeptics 12th

439
00:19:10,390 --> 00:19:15,759
of June at the Aynsley football club for

440
00:19:13,720 --> 00:19:18,490
reasons beyond our control unfortunately

441
00:19:15,759 --> 00:19:21,759
we've had to change venues and it's dr.

442
00:19:18,490 --> 00:19:23,920

Danny Kingsley and stop blaming open

443

00:19:21,759 --> 00:19:26,049

access what's wrong with scholarly

444

00:19:23,920 --> 00:19:28,650

communication so that sounds like it's

445

00:19:26,049 --> 00:19:32,049

it's going to be a very interesting

446

00:19:28,650 --> 00:19:35,050

interesting thing going on there today

447

00:19:32,049 --> 00:19:36,909

of course we've got Ken MacLeod here at

448

00:19:35,049 --> 00:19:39,990

skeptics in the pub who who gave us a

449

00:19:36,910 --> 00:19:43,840

wonderful talk on the Australian

450

00:19:39,990 --> 00:19:46,569

anti-vaccination skeptics network and

451

00:19:43,839 --> 00:19:48,970

stop the avn that was that was very

452

00:19:46,569 --> 00:19:51,579

interesting there was one other thing I

453

00:19:48,970 --> 00:19:53,170

also wanted to upload and that is my

454

00:19:51,579 --> 00:19:55,480

friend Jeff wagon the college of

455

00:19:53,170 --> 00:19:58,240

curiosity has announced a South Pacific

456

00:19:55,480 --> 00:20:03,190

cruise it will be leaving from Sydney on

457
00:19:58,240 --> 00:20:06,220
March the 14 2015 and going to New

458
00:20:03,190 --> 00:20:09,640
Caledonia and Noumea coming back on the

459
00:20:06,220 --> 00:20:12,120
27th so if you go to college of

460
00:20:09,640 --> 00:20:16,000
curiosity com there's there's

461
00:20:12,119 --> 00:20:19,149
preliminary details on there Jeff tells

462
00:20:16,000 --> 00:20:21,640
me that he'll be taking bookings and

463
00:20:19,150 --> 00:20:23,860
doing more details around about June

464
00:20:21,640 --> 00:20:27,370
this year so we've got plenty of time to

465
00:20:23,859 --> 00:20:29,979
plan Jeff does fantastic tours as I've

466
00:20:27,369 --> 00:20:31,839
as a long-term listeners to the skeptic

467
00:20:29,980 --> 00:20:34,120
zone will know because I've gone on one

468
00:20:31,839 --> 00:20:36,609
of his tours before and many of my

469
00:20:34,119 --> 00:20:39,459
friends have gone on others they're

470
00:20:36,609 --> 00:20:42,178
great tours he he gets very very into

471
00:20:39,460 --> 00:20:44,700
the details of the places he goes to

472
00:20:42,179 --> 00:20:47,909
and finds all of these curious facts and

473
00:20:44,700 --> 00:20:51,990
things that you might not know so look

474
00:20:47,909 --> 00:20:53,700
at college of curiosity calm the getting

475
00:20:51,990 --> 00:20:56,999
curious in the South Pacific cruise

476
00:20:53,700 --> 00:20:58,769
because I'm planning on being there a

477
00:20:56,999 --> 00:21:00,509
lot of people i know are planning on

478
00:20:58,769 --> 00:21:02,909
being there including some people from

479
00:21:00,509 --> 00:21:04,919
the US who are getting their first

480
00:21:02,909 --> 00:21:06,778
chance to come out to Australia that

481
00:21:04,919 --> 00:21:10,169
sounds fantastic what else have the

482
00:21:06,778 --> 00:21:14,099
College of curiosity done well there was

483
00:21:10,169 --> 00:21:17,269
a tour I went on last year which covered

484
00:21:14,099 --> 00:21:19,859
the Kennedy Space Center in Florida

485

00:21:17,269 --> 00:21:22,019
which was fantastic we got to see the

486
00:21:19,859 --> 00:21:23,729
the Space Shuttle in the in the Vehicle

487
00:21:22,019 --> 00:21:26,220
Assembly Building and it was right there

488
00:21:23,730 --> 00:21:27,599
and it was just an amazing thing to say

489
00:21:26,220 --> 00:21:30,839
I could have gone home after that but

490
00:21:27,599 --> 00:21:33,748
then we we got on board this cruise ship

491
00:21:30,839 --> 00:21:39,808
and went for for several days around the

492
00:21:33,749 --> 00:21:42,839
Bahamas taking in coke okay and port

493
00:21:39,808 --> 00:21:45,928
Providence and a couple of those nice

494
00:21:42,839 --> 00:21:48,808
pirate locations and things and then

495
00:21:45,929 --> 00:21:51,059
came back to Epcot and jeff's knowledge

496
00:21:48,808 --> 00:21:53,819
of epcot was voluminous or was it was

497
00:21:51,058 --> 00:21:58,638
quite amazing but yeah go on to college

498
00:21:53,819 --> 00:22:00,808
of curiosity calm I think that okay now

499
00:21:58,638 --> 00:22:03,118

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

500

00:22:00,808 --> 00:22:05,490

link up a skeptic same page as well the

501

00:22:03,118 --> 00:22:09,628

this other this website Jeff does an

502

00:22:05,490 --> 00:22:12,118

unknown object and he finds an object

503

00:22:09,628 --> 00:22:16,019

and puts it up and says what is this

504

00:22:12,118 --> 00:22:19,019

thing some of them some of them are

505

00:22:16,019 --> 00:22:21,058

identified yeah a few even after many

506

00:22:19,019 --> 00:22:24,659

weeks are still not not actually fully

507

00:22:21,058 --> 00:22:27,599

identified so we there's one up at the

508

00:22:24,659 --> 00:22:31,528

moment an interesting device I have not

509

00:22:27,599 --> 00:22:33,058

no idea what it is but if you go on to

510

00:22:31,528 --> 00:22:34,769

this website maybe you can have a look

511

00:22:33,058 --> 00:22:36,388

at it and find out that's interesting

512

00:22:34,769 --> 00:22:38,128

they used to have on the TV show

513

00:22:36,388 --> 00:22:40,769

collectors they used to bring out a

514
00:22:38,128 --> 00:22:42,898
strange device or an take every week or

515
00:22:40,769 --> 00:22:44,308
so and you'll be able to have a go at

516
00:22:42,898 --> 00:22:47,278
guessing what on earth it was is it a

517
00:22:44,308 --> 00:22:50,460
similar sort of format to that it's sort

518
00:22:47,278 --> 00:22:52,740
of i think yes a lot of them Jeff knows

519
00:22:50,460 --> 00:22:54,389
what it is before he posts wondering

520
00:22:52,740 --> 00:22:55,279
yeah who posts up he posted up hints

521
00:22:54,388 --> 00:22:57,869
yeah

522
00:22:55,279 --> 00:22:59,399
and it's like a little info I mean

523
00:22:57,869 --> 00:23:02,029
there's no there's no prizes for

524
00:22:59,400 --> 00:23:04,740
guessing or anything but it's like a

525
00:23:02,029 --> 00:23:06,690
curiosity and ya know that actually

526
00:23:04,740 --> 00:23:09,839
sounds like a lot of fun it is a lot of

527
00:23:06,690 --> 00:23:12,690
fun excellent wonderful thank you very

528
00:23:09,839 --> 00:23:13,889
much for that that's okay fantastic i'm

529
00:23:12,690 --> 00:23:16,620
here at canberra skeptics in the pub

530
00:23:13,890 --> 00:23:18,750
store and i'm speaking with Ken MacLeod

531
00:23:16,619 --> 00:23:22,409
and John bundle ken MacLeod has just

532
00:23:18,750 --> 00:23:25,980
done a talk on stop the APNs campaign to

533
00:23:22,410 --> 00:23:28,710
stop the avian hello ken hello Joe and

534
00:23:25,980 --> 00:23:30,690
hello John hello Joe it's wonderful to

535
00:23:28,710 --> 00:23:33,329
see you both here again what can you

536
00:23:30,690 --> 00:23:36,029
tell us about stop the AVM well stop the

537
00:23:33,329 --> 00:23:39,569
avian was formed in 2009 after the death

538
00:23:36,029 --> 00:23:42,119
of a baby from a preventable disease we

539
00:23:39,569 --> 00:23:45,240
found and were horrified as a group of

540
00:23:42,119 --> 00:23:48,779
just ordinary citizens that there is an

541
00:23:45,240 --> 00:23:51,120
active anti-vaccine community in our

542

00:23:48,779 --> 00:23:53,190
society and we decided something had to

543
00:23:51,119 --> 00:23:55,679
be done about the callous behavior and

544
00:23:53,190 --> 00:23:59,039
so stop the avian was formed by Daniel

545
00:23:55,680 --> 00:24:02,160
rafail and I joined as I think member

546
00:23:59,039 --> 00:24:04,049
number 348 after a lot of other very

547
00:24:02,160 --> 00:24:09,120
eminent people we've been working since

548
00:24:04,049 --> 00:24:11,339
July 2009 to affect change within

549
00:24:09,119 --> 00:24:13,979
government in the media and society

550
00:24:11,339 --> 00:24:17,970
generally in the behavior and attitude

551
00:24:13,980 --> 00:24:21,599
towards vaccines and how many people are

552
00:24:17,970 --> 00:24:23,819
involved now do you think it's purely a

553
00:24:21,599 --> 00:24:25,869
Facebook group there's no official

554
00:24:23,819 --> 00:24:29,379
membership

555
00:24:25,869 --> 00:24:31,539
well it's a bit loose to cause an

556
00:24:29,380 --> 00:24:33,190

organization we're a Facebook group of

557

00:24:31,539 --> 00:24:34,990

about twelve thousand one hundred people

558

00:24:33,190 --> 00:24:37,000

we are not incorporated as an

559

00:24:34,990 --> 00:24:41,049

association we are not a registered

560

00:24:37,000 --> 00:24:44,500

charity but within that 12,100 there's

561

00:24:41,049 --> 00:24:47,109

about thirty members in an inner circle

562

00:24:44,500 --> 00:24:49,539

that determined policy and more concrete

563

00:24:47,109 --> 00:24:52,359

action and we think we've been

564

00:24:49,539 --> 00:24:55,000

incredibly effective and what's been

565

00:24:52,359 --> 00:24:57,009

going on recently well in the last year

566

00:24:55,000 --> 00:24:59,140

or so we've had a remarkable change in

567

00:24:57,009 --> 00:25:02,379

the media who now regard merrill dory

568

00:24:59,140 --> 00:25:04,780

under ilk as complete ratbags we have

569

00:25:02,380 --> 00:25:06,340

had changes to legislation in New South

570

00:25:04,779 --> 00:25:08,678

Wales and that's the healthcare

571
00:25:06,339 --> 00:25:13,230
complaints act and the association's

572
00:25:08,679 --> 00:25:16,179
incorporation regulation with the new

573
00:25:13,230 --> 00:25:17,769
legislation has empowered the new south

574
00:25:16,179 --> 00:25:21,940
wales government to take much firmer

575
00:25:17,769 --> 00:25:23,319
action the media have come around to our

576
00:25:21,940 --> 00:25:27,690
point of view but we still have the

577
00:25:23,319 --> 00:25:33,428
occasional lapse that we must counteract

578
00:25:27,690 --> 00:25:34,779
the avn as our main target recently we

579
00:25:33,429 --> 00:25:36,250
were forced by the New South Wales

580
00:25:34,779 --> 00:25:38,170
Government to change their name to

581
00:25:36,250 --> 00:25:42,130
reflect more accurately what they do

582
00:25:38,170 --> 00:25:43,990
they have lost their charity license the

583
00:25:42,130 --> 00:25:46,840
health care Complaints Commission have

584
00:25:43,990 --> 00:25:49,509
issued a public warning which will not

585
00:25:46,839 --> 00:25:51,609
be overturned in any court and we can

586
00:25:49,509 --> 00:25:55,390
now use that public warning as very

587
00:25:51,609 --> 00:26:00,609
powerful evidence in our campaign to

588
00:25:55,390 --> 00:26:03,190
have the avn put out of business so the

589
00:26:00,609 --> 00:26:05,500
goal of stop the avn is it entirely

590
00:26:03,190 --> 00:26:07,240
based around the avian or are they

591
00:26:05,500 --> 00:26:11,470
looking at further anti-vaccination

592
00:26:07,240 --> 00:26:13,990
groups as well ok well f proper name is

593
00:26:11,470 --> 00:26:17,100
stop the Australian bracket anti close

594
00:26:13,990 --> 00:26:20,140
bracket vaccination network now the

595
00:26:17,099 --> 00:26:23,549
Australian vaccination skeptics network

596
00:26:20,140 --> 00:26:26,230
as they are now called is the largest

597
00:26:23,549 --> 00:26:29,529
anti-vaccine lobby group in Australia

598
00:26:26,230 --> 00:26:32,200
and so they became our main target but

599

00:26:29,529 --> 00:26:36,759
there are many others and they firmly

600
00:26:32,200 --> 00:26:38,250
within our sights to have them put out

601
00:26:36,759 --> 00:26:41,430
of business

602
00:26:38,250 --> 00:26:43,349
so if the ABN do end up closing our

603
00:26:41,430 --> 00:26:45,930
business there's still work for stop the

604
00:26:43,349 --> 00:26:48,689
ABN we've got a lifetime career ahead of

605
00:26:45,930 --> 00:26:51,240
all of us here in putting such people as

606
00:26:48,690 --> 00:26:53,279
stephanie messenger and so on firmly out

607
00:26:51,240 --> 00:26:55,559
of business and can what would you say

608
00:26:53,279 --> 00:26:57,509
you take home messages well as i was

609
00:26:55,559 --> 00:27:01,289
speaking to the canberra skeptics today

610
00:26:57,509 --> 00:27:03,779
i came to realize that even though i'm

611
00:27:01,289 --> 00:27:07,740
preaching to a converted audience in

612
00:27:03,779 --> 00:27:10,200
that the canberra skeptic suit a very

613
00:27:07,740 --> 00:27:13,200

firmly aware of the benefit of vaccines

614

00:27:10,200 --> 00:27:15,690

but what the main message I wanted them

615

00:27:13,200 --> 00:27:17,250

to go home with was it's all very well

616

00:27:15,690 --> 00:27:19,980

for everyone to sit around and complain

617

00:27:17,250 --> 00:27:21,930

but nothing will happen unless people

618

00:27:19,980 --> 00:27:24,779

make it happen so it's up to every

619

00:27:21,930 --> 00:27:27,480

skeptic every scientist everywhere to

620

00:27:24,779 --> 00:27:30,029

take action checking their local

621

00:27:27,480 --> 00:27:31,950

libraries for avn propaganda having it

622

00:27:30,029 --> 00:27:33,809

reported and thrown out check their

623

00:27:31,950 --> 00:27:41,660

coffee shops for brochures have them

624

00:27:33,809 --> 00:27:46,019

bent report anti-vaccine messages to TV

625

00:27:41,660 --> 00:27:48,390

editors broadcasters report to era

626

00:27:46,019 --> 00:27:50,220

newspapers to the press council take

627

00:27:48,390 --> 00:27:52,259

action nothing will happen unless you

628
00:27:50,220 --> 00:27:54,390
make it happen and that was my take home

629
00:27:52,259 --> 00:27:59,400
message that sounds absolutely wonderful

630
00:27:54,390 --> 00:28:01,140
thank you so much Ken well I had a

631
00:27:59,400 --> 00:28:02,910
wonderful time at Canberra skeptics in

632
00:28:01,140 --> 00:28:04,860
the pub they're a lovely group of people

633
00:28:02,910 --> 00:28:06,690
and most welcoming so if you're a

634
00:28:04,859 --> 00:28:08,729
Canberra local or just passing through

635
00:28:06,690 --> 00:28:11,190
do check out their meetup group facebook

636
00:28:08,730 --> 00:28:13,230
page and twitter account that's at CB

637
00:28:11,190 --> 00:28:14,610
are skeptics as they've got regular

638
00:28:13,230 --> 00:28:15,809
skeptics in the pub meetings and

639
00:28:14,609 --> 00:28:18,269
lectures with a wide array of

640
00:28:15,809 --> 00:28:19,889
interesting speakers on topics if you're

641
00:28:18,269 --> 00:28:22,710
not in Canberra you can still sit in on

642
00:28:19,890 --> 00:28:24,420
the lectures online via livestream links

643
00:28:22,710 --> 00:28:27,120
to which are announced via facebook and

644
00:28:24,420 --> 00:28:28,890
on twitter also if you're curious to

645
00:28:27,119 --> 00:28:30,959
find out what stopped the avn are up to

646
00:28:28,890 --> 00:28:32,580
and get the opportunity ken MacLeod is a

647
00:28:30,960 --> 00:28:35,069
great speaker very engaging and

648
00:28:32,579 --> 00:28:36,990
interesting for more information on stop

649
00:28:35,069 --> 00:28:39,720
the avn you can like their facebook page

650
00:28:36,990 --> 00:28:41,910
stop the australian racket aunty bracket

651
00:28:39,720 --> 00:28:44,460
vac station network or follow their

652
00:28:41,910 --> 00:28:46,230
twitter account at stop avn it's

653
00:28:44,460 --> 00:28:48,240
fantastic community-based grassroots

654
00:28:46,230 --> 00:28:50,839
activism involving skeptics and non

655
00:28:48,240 --> 00:28:50,839
skeptics alike

656

00:28:55,059 --> 00:29:09,559
on Manor com don't you hey you coming to

657
00:29:07,490 --> 00:29:11,359
you live from the exciting bleep Point

658
00:29:09,559 --> 00:29:13,819
Road frou-frou cafe it's mr. Tim

659
00:29:11,359 --> 00:29:15,649
Ferguson good morning good evening good

660
00:29:13,819 --> 00:29:17,750
afternoon and all the times in between

661
00:29:15,650 --> 00:29:19,100
and my name's may know we've got it all

662
00:29:17,750 --> 00:29:21,019
here we've got dogs that we've got

663
00:29:19,099 --> 00:29:23,539
screaming babies with God pouting

664
00:29:21,019 --> 00:29:25,849
waiters I've heard that ghosts can only

665
00:29:23,539 --> 00:29:28,789
travel in straight lines and they can't

666
00:29:25,849 --> 00:29:30,469
jump I know it feng shui you did usually

667
00:29:28,789 --> 00:29:32,869
a mirror or something and so the evil

668
00:29:30,470 --> 00:29:34,490
can't turn and get into your house he

669
00:29:32,869 --> 00:29:36,829
put something there will you heard about

670
00:29:34,490 --> 00:29:39,079

ghosts and their physical ability I do

671

00:29:36,829 --> 00:29:42,829

know that they cannot jump they won't

672

00:29:39,079 --> 00:29:44,809

shall they refuse to jump recalcitrant

673

00:29:42,829 --> 00:29:47,119

that's their problem after a lifetime of

674

00:29:44,809 --> 00:29:50,240

jumping you don't want to spend the

675

00:29:47,119 --> 00:29:52,009

afterworld being us repeatedly come on I

676

00:29:50,240 --> 00:29:54,829

would jump over that if you can walk

677

00:29:52,009 --> 00:29:56,900

through walls why would you want to jump

678

00:29:54,829 --> 00:30:01,069

there seemed to be a set of rules that a

679

00:29:56,900 --> 00:30:04,220

bit grey grey there one is ghost gazans

680

00:30:01,069 --> 00:30:06,439

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

681

00:30:04,220 --> 00:30:08,809

fighting myself in the afterworld where

682

00:30:06,440 --> 00:30:11,809

there is no orgasm there is no point in

683

00:30:08,809 --> 00:30:13,669

being alive without orgasms and daytime

684

00:30:11,809 --> 00:30:21,919

TV I want both of those in the

685
00:30:13,670 --> 00:30:23,980
afterworld on main art com do you hey

686
00:30:21,920 --> 00:30:23,980
you

687
00:30:27,619 --> 00:30:32,579
welcome to a week in science from our

688
00:30:30,240 --> 00:30:35,039
ions bringing you the sides you need to

689
00:30:32,579 --> 00:30:37,859
know the old saying no pain no gain

690
00:30:35,039 --> 00:30:39,750
seems to be spot on Australian spend

691
00:30:37,859 --> 00:30:41,669
about two billion dollars a year on

692
00:30:39,750 --> 00:30:47,640
sports injuries and there are some

693
00:30:41,670 --> 00:30:49,860
simple ways to prevent many of them one

694
00:30:47,640 --> 00:30:52,470
way to reduce your injury risk is to do

695
00:30:49,859 --> 00:30:55,349
some pre-season training studies of

696
00:30:52,470 --> 00:30:57,329
football codes show 50 to 75 percent

697
00:30:55,349 --> 00:30:59,599
reduction in injury risk when a

698
00:30:57,329 --> 00:31:02,099
preseason regime includes strength

699

00:30:59,599 --> 00:31:05,099

flexibility and balance exercises

700

00:31:02,099 --> 00:31:06,990

without preseason conditioning athletes

701

00:31:05,099 --> 00:31:09,359

put a lot more strain on their bodies

702

00:31:06,990 --> 00:31:12,509

when the season starts leading to

703

00:31:09,359 --> 00:31:14,939

injuries but a word of warning a recent

704

00:31:12,509 --> 00:31:17,430

rugby analysis showed that really heavy

705

00:31:14,940 --> 00:31:20,370

preseason loads can increase your risk

706

00:31:17,430 --> 00:31:22,170

of injury so while some preseason is

707

00:31:20,369 --> 00:31:24,629

good you probably shouldn't go crazy

708

00:31:22,170 --> 00:31:27,120

with it during the rest of the season an

709

00:31:24,630 --> 00:31:29,520

hour of weight training each week helps

710

00:31:27,119 --> 00:31:34,289

prevent lower body injuries including

711

00:31:29,519 --> 00:31:36,779

your groin knees and hamstring now into

712

00:31:34,289 --> 00:31:38,909

warm ups while some studies disagree the

713

00:31:36,779 --> 00:31:41,700
overall weight of evidence suggests that

714
00:31:38,910 --> 00:31:43,980
warm-ups are important warming up opens

715
00:31:41,700 --> 00:31:46,110
up your capillaries and increases blood

716
00:31:43,980 --> 00:31:48,120
flow to your muscles increasing their

717
00:31:46,109 --> 00:31:51,029
temperature and causing more efficient

718
00:31:48,119 --> 00:31:53,099
oxygen transfer studies using animals

719
00:31:51,029 --> 00:31:55,139
have also shown that more force and more

720
00:31:53,099 --> 00:31:57,599
lengthening is needed to injure a warm

721
00:31:55,140 --> 00:32:00,240
muscle unfortunately the evidence for

722
00:31:57,599 --> 00:32:02,459
cooldowns isn't as clear general muscle

723
00:32:00,240 --> 00:32:04,529
soreness after exercising is caused by

724
00:32:02,460 --> 00:32:06,390
tiny tears in your muscle fibers and

725
00:32:04,529 --> 00:32:08,430
cooling down doesn't help with that

726
00:32:06,390 --> 00:32:11,040
there's also little evidence that it

727
00:32:08,430 --> 00:32:13,410

prevents long-term injuries what it does

728

00:32:11,039 --> 00:32:15,240

do is allow your circulatory system to

729

00:32:13,410 --> 00:32:17,519

slowly return to normal while

730

00:32:15,240 --> 00:32:19,289

maintaining proper blood pressure this

731

00:32:17,519 --> 00:32:21,389

prevents dizziness and fainting which

732

00:32:19,289 --> 00:32:24,299

can often occur after a hard session and

733

00:32:21,390 --> 00:32:26,278

now for fast facts about sport injury

734

00:32:24,299 --> 00:32:28,839

prevention

735

00:32:26,278 --> 00:32:30,700

over half a million Australians have a

736

00:32:28,839 --> 00:32:33,939

long-term condition that can be blamed

737

00:32:30,700 --> 00:32:36,429

on a sporting or exercise injury static

738

00:32:33,940 --> 00:32:38,230

stretching before exercise doesn't seem

739

00:32:36,429 --> 00:32:40,330

to prevent injury and can actually

740

00:32:38,230 --> 00:32:42,399

decrease your sprinting and jumping

741

00:32:40,329 --> 00:32:44,439

performance you can reduce your injury

742
00:32:42,398 --> 00:32:46,449
risk by having a day's rest between

743
00:32:44,440 --> 00:32:48,399
training sessions allowing your muscles

744
00:32:46,450 --> 00:32:50,739
to repair before punishing them again

745
00:32:48,398 --> 00:32:53,469
and static and dynamic stretching after

746
00:32:50,739 --> 00:32:56,259
you workout and on non exercising days

747
00:32:53,470 --> 00:32:57,940
can lower your injury risk that's it for

748
00:32:56,259 --> 00:32:59,528
this week in science for more

749
00:32:57,940 --> 00:33:03,100
information on the science of sports

750
00:32:59,528 --> 00:33:05,798
injuries go to the area's website RI aus

751
00:33:03,099 --> 00:33:08,918
org dot a you follow us on twitter at

752
00:33:05,798 --> 00:33:12,298
areas and like us on facebook i'm karen

753
00:33:08,919 --> 00:33:12,299
groom and we'll catch you next week

754
00:33:22,349 --> 00:33:26,949
virtual skeptics is a weekly web show in

755
00:33:25,148 --> 00:33:29,258
which we discuss the latest news in

756
00:33:26,950 --> 00:33:30,759
skepticism whether it's a new case of

757
00:33:29,259 --> 00:33:32,950
spontaneous human combustion a

758
00:33:30,759 --> 00:33:35,200
conspiracy theory the latest update on

759
00:33:32,950 --> 00:33:36,850
the upcoming robot apocalypse tech news

760
00:33:35,200 --> 00:33:39,340
for skeptics are the latest wacky

761
00:33:36,849 --> 00:33:41,709
religious claim we cover it all we

762
00:33:39,339 --> 00:33:44,378
record the show live as a Google+ on-air

763
00:33:41,710 --> 00:33:46,179
hang out so join us and our host Brian

764
00:33:44,378 --> 00:33:48,849
Gregory for an hour of mostly

765
00:33:46,179 --> 00:33:51,759
intelligent talk every Wednesday at a PM

766
00:33:48,849 --> 00:33:54,339
eastern US time watch us at virtual

767
00:33:51,759 --> 00:33:57,669
skeptics calm and participate in the

768
00:33:54,339 --> 00:33:59,709
show on our hashtag virtual skeptics the

769
00:33:57,669 --> 00:34:09,280
virtual skeptics it's like meet the

770

00:33:59,710 --> 00:34:11,858
press but with chupacabras let's all

771
00:34:09,280 --> 00:34:14,879
take this with a grain of salt he's

772
00:34:11,858 --> 00:34:14,878
around ticket

773
00:34:17,429 --> 00:34:22,780
I'm here with dr. Chris French hello

774
00:34:20,980 --> 00:34:24,639
Chris how are you doing hello you've

775
00:34:22,780 --> 00:34:26,650
only arrived today at QED so you only

776
00:34:24,639 --> 00:34:28,569
you missed the first day i miss the

777
00:34:26,650 --> 00:34:32,440
first day i've actually fact get here

778
00:34:28,570 --> 00:34:35,710
late last night so i hear about 9pm just

779
00:34:32,440 --> 00:34:37,480
in time to see richard wiseman giving

780
00:34:35,710 --> 00:34:42,340
the Occam awards so they're great fun

781
00:34:37,480 --> 00:34:43,990
that was great so we we also met in

782
00:34:42,340 --> 00:34:47,320
november in canberra where you

783
00:34:43,989 --> 00:34:48,759
participated in national skip lead to a

784
00:34:47,320 --> 00:34:51,159

very successfully organized by the

785

00:34:48,760 --> 00:34:54,100
canberra skeptics what was your

786

00:34:51,159 --> 00:34:55,720
experience in in canberra in australia

787

00:34:54,099 --> 00:34:58,599
in general oh I Robin I thoroughly

788

00:34:55,719 --> 00:35:01,750
enjoyed my visit I was I was so well

789

00:34:58,599 --> 00:35:03,159
looked after by Canberra skeptics and

790

00:35:01,750 --> 00:35:05,800
various other skeptics groups that I

791

00:35:03,159 --> 00:35:07,239
went and did talks for and yeah the

792

00:35:05,800 --> 00:35:10,510
whole experience which is entirely

793

00:35:07,239 --> 00:35:15,129
positive the only complaint that I would

794

00:35:10,510 --> 00:35:17,380
have is the very inconsiderately my

795

00:35:15,130 --> 00:35:19,690
people go to its College where I work

796

00:35:17,380 --> 00:35:21,340
University of London they didn't seem to

797

00:35:19,690 --> 00:35:23,860
take a fortnight off so I'd wake up

798

00:35:21,340 --> 00:35:25,600
every morning in my inbox would email

799

00:35:23,860 --> 00:35:27,370
INBOX would be full of emails from

800

00:35:25,599 --> 00:35:28,989
people I didn't have the time to deal

801

00:35:27,369 --> 00:35:31,210
with but apart from that i'm going to do

802

00:35:28,989 --> 00:35:32,769
so that they're so it's actually a shame

803

00:35:31,210 --> 00:35:33,940
that camera skeptics didn't do something

804

00:35:32,769 --> 00:35:36,039
about that think they should have

805

00:35:33,940 --> 00:35:37,269
actually sorted that out really yeah i'm

806

00:35:36,039 --> 00:35:39,159
not even disagree with Claire's the

807

00:35:37,269 --> 00:35:41,440
national holiday back in the UK for a

808

00:35:39,159 --> 00:35:42,549
fortnight you know and then I would not

809

00:35:41,440 --> 00:35:44,349
have had so many emails to deal with

810

00:35:42,550 --> 00:35:47,110
yeah I completely understand because I'm

811

00:35:44,349 --> 00:35:48,519
on to two weeks holiday right now right

812

00:35:47,110 --> 00:35:51,460
in the middle of a two weeks holiday and

813
00:35:48,519 --> 00:35:53,739
I i dread what will help my email box

814
00:35:51,460 --> 00:35:55,240
will look like when I come back um so

815
00:35:53,739 --> 00:35:57,549
how long were you in australia though it

816
00:35:55,239 --> 00:35:59,709
was just for two weeks it was ok so i'm

817
00:35:57,550 --> 00:36:02,410
sure to visit so about to a conference

818
00:35:59,710 --> 00:36:06,130
in Canberra what else did you know I did

819
00:36:02,409 --> 00:36:10,750
I did talks with various local skeptics

820
00:36:06,130 --> 00:36:13,570
groups I think we the final event was a

821
00:36:10,750 --> 00:36:15,969
British anomalistic psychologist in the

822
00:36:13,570 --> 00:36:18,400
pub evening which was me and Chrissy

823
00:36:15,969 --> 00:36:21,489
we'll see who Chrissy I supervise her

824
00:36:18,400 --> 00:36:24,369
PhD and then I wish she moved to

825
00:36:21,489 --> 00:36:26,819
Australia so that was great fun and it

826
00:36:24,369 --> 00:36:29,009
was just great to meet so many

827

00:36:26,820 --> 00:36:32,250
interesting and friendly people so did

828
00:36:29,010 --> 00:36:35,880
you get to do any any tourism activity I

829
00:36:32,250 --> 00:36:39,840
did a little bit of sightseeing I was

830
00:36:35,880 --> 00:36:42,660
kind of taken around ferried round to

831
00:36:39,840 --> 00:36:44,070
various places and yeah I did get to see

832
00:36:42,659 --> 00:36:45,480
a little bit of the country but I've and

833
00:36:44,070 --> 00:36:47,220
I've loved to go and get a chance to go

834
00:36:45,480 --> 00:36:51,240
back and do it properly well you do have

835
00:36:47,219 --> 00:36:54,500
a Chrissy's now in Alice Springs which

836
00:36:51,239 --> 00:36:57,299
is a short six hour drive from olaru

837
00:36:54,500 --> 00:37:00,030
driver you guys call very sure that it

838
00:36:57,300 --> 00:37:02,789
looks like ours which is about the

839
00:37:00,030 --> 00:37:05,400
length of Britain I mean I mean I mean

840
00:37:02,789 --> 00:37:07,259
I'm so kind of lazy that you know we've

841
00:37:05,400 --> 00:37:10,710

got at least half a dozen branches of

842

00:37:07,260 --> 00:37:12,120

skeptics in the pub in London yes well I

843

00:37:10,710 --> 00:37:13,740

wasn't good enough for me now that I'm

844

00:37:12,119 --> 00:37:15,539

gonna set up my own branch just around

845

00:37:13,739 --> 00:37:19,139

the corner from where I live you know

846

00:37:15,539 --> 00:37:22,110

they're so the talk about you gave today

847

00:37:19,139 --> 00:37:25,159

can you can you talk about today I was

848

00:37:22,110 --> 00:37:28,019

on a panel with Richard Wiseman and

849

00:37:25,159 --> 00:37:31,730

chris roe and what we were discussing

850

00:37:28,019 --> 00:37:34,619

today were various issues relating to

851

00:37:31,730 --> 00:37:37,019

replication problems in science

852

00:37:34,619 --> 00:37:39,690

generally but particularly in psychology

853

00:37:37,019 --> 00:37:41,400

and in parapsychology now maybe that

854

00:37:39,690 --> 00:37:43,340

would be good time I think people would

855

00:37:41,400 --> 00:37:47,690

know who Richard Wiseman is but but who

856
00:37:43,340 --> 00:37:50,000
was Miss Rose row Chris row is a

857
00:37:47,690 --> 00:37:52,409
psychologist but also a parapsychologist

858
00:37:50,000 --> 00:37:56,460
he's at the University of Northampton

859
00:37:52,409 --> 00:37:59,579
and what are the interesting things is

860
00:37:56,460 --> 00:38:03,000
that I've known Chris for a very long

861
00:37:59,579 --> 00:38:08,340
time and really we would probably agree

862
00:38:03,000 --> 00:38:10,829
on 95% plus of issues it's just really

863
00:38:08,340 --> 00:38:14,760
that kind of rock bottom level basic

864
00:38:10,829 --> 00:38:17,210
assumptions whether or not he we believe

865
00:38:14,760 --> 00:38:19,860
that the evidence for the paranormal is

866
00:38:17,210 --> 00:38:21,809
generally in favor or actually not very

867
00:38:19,860 --> 00:38:23,789
strong i don't think it's awfully strong

868
00:38:21,809 --> 00:38:25,739
Chris at least I think would say that

869
00:38:23,789 --> 00:38:27,630
it's it's strongly enough to merit

870
00:38:25,739 --> 00:38:29,009
further research and I think if he had

871
00:38:27,630 --> 00:38:30,510
to bet his house on it you would

872
00:38:29,010 --> 00:38:32,310
probably bet that some of these

873
00:38:30,510 --> 00:38:35,100
paranormal phenomena at least were

874
00:38:32,309 --> 00:38:35,369
genuinely so he does paranormal so you

875
00:38:35,099 --> 00:38:36,838
think

876
00:38:35,369 --> 00:38:38,818
he does I think he's it yeah I think he

877
00:38:36,838 --> 00:38:40,078
would if he was forced he would come

878
00:38:38,818 --> 00:38:44,130
down on the side of a believer but like

879
00:38:40,079 --> 00:38:46,559
lots of parapsychologists it's not that

880
00:38:44,130 --> 00:38:48,480
he's a kind of wide-eyed uncritically

881
00:38:46,559 --> 00:38:51,690
but I think there is quite often a

882
00:38:48,480 --> 00:38:53,369
tendency for skeptics to believe that I

883
00:38:51,690 --> 00:38:55,200
know and I kind of fell into this trap

884

00:38:53,369 --> 00:38:57,599
myself when I first discovered the joys

885
00:38:55,199 --> 00:39:00,419
of skepticism I used to be a believer in

886
00:38:57,599 --> 00:39:03,900
our east of Leslie believer to quite

887
00:39:00,420 --> 00:39:06,960
well into my adulthood and it was

888
00:39:03,900 --> 00:39:09,420
reading one particular book by James ol

889
00:39:06,960 --> 00:39:12,269
called parapsychology science or

890
00:39:09,420 --> 00:39:14,009
magic that made me realize there was

891
00:39:12,268 --> 00:39:15,748
another way of explaining all these

892
00:39:14,009 --> 00:39:18,990
unusual experiences and one that

893
00:39:15,748 --> 00:39:21,748
actually made a lot of sense to me I ran

894
00:39:18,989 --> 00:39:24,598
and I kind of now no James okok or Jim

895
00:39:21,748 --> 00:39:26,459
my mate Jim and it's got a its quite now

896
00:39:24,599 --> 00:39:27,900
to consider him a personal friend and I

897
00:39:26,460 --> 00:39:30,749
can kind of turn around him and say you

898
00:39:27,900 --> 00:39:32,880

are the bastard that got me to arriving

899

00:39:30,748 --> 00:39:36,808

today you've got a lot to answer for but

900

00:39:32,880 --> 00:39:37,858

when I first got into skepticism I did

901

00:39:36,809 --> 00:39:39,569

very much take a kind a very

902

00:39:37,858 --> 00:39:42,389

black-and-white simplistic view I think

903

00:39:39,568 --> 00:39:44,400

of parapsychology I kind of thought that

904

00:39:42,389 --> 00:39:46,108

all parapsychologists were incompetent

905

00:39:44,400 --> 00:39:50,039

couldn't design the experiment to save

906

00:39:46,108 --> 00:39:52,259

their lives that all psychics were

907

00:39:50,039 --> 00:39:56,039

deliberate con artists that all

908

00:39:52,259 --> 00:39:57,900

paranormal and related beliefs were were

909

00:39:56,039 --> 00:39:59,579

no damaging in some way now don't bleed

910

00:39:57,900 --> 00:40:01,559

any of those things now I still don't

911

00:39:59,579 --> 00:40:03,269

believe in the paranormal I'm still you

912

00:40:01,559 --> 00:40:07,289

know this size it so this is something I

913
00:40:03,268 --> 00:40:10,108
do want to ask you so um Chris in his

914
00:40:07,289 --> 00:40:14,069
orchestra in his opening statement made

915
00:40:10,108 --> 00:40:16,259
the point that a lot of the basic

916
00:40:14,068 --> 00:40:18,748
parameters of what would be considered

917
00:40:16,259 --> 00:40:21,269
good research or positive research in

918
00:40:18,748 --> 00:40:23,098
terms of the outcomes would be similar

919
00:40:21,268 --> 00:40:24,959
between such general psychological

920
00:40:23,099 --> 00:40:26,700
research and parapsychology code I think

921
00:40:24,960 --> 00:40:29,849
that's absolutely the case I mean ever

922
00:40:26,699 --> 00:40:33,449
since the 1930s when Rhine JB Rhine

923
00:40:29,849 --> 00:40:35,880
first set up his laboratory the kind of

924
00:40:33,449 --> 00:40:37,828
experiments they were doing were very

925
00:40:35,880 --> 00:40:39,630
similar to the kind of experiments that

926
00:40:37,829 --> 00:40:41,249
psychologists were doing it's just that

927
00:40:39,630 --> 00:40:43,349
instead of looking at say how the normal

928
00:40:41,248 --> 00:40:45,189
senses work they were trying to see

929
00:40:43,349 --> 00:40:47,140
whether there's anything this case

930
00:40:45,190 --> 00:40:48,250
so so there's a couple of things there's

931
00:40:47,139 --> 00:40:50,019
one thing that wasn't mentioned today

932
00:40:48,250 --> 00:40:53,440
and that is things that contradict

933
00:40:50,019 --> 00:40:55,300
physics mm-hmm a future awesome so there

934
00:40:53,440 --> 00:40:57,639
are things that you where you say okay

935
00:40:55,300 --> 00:40:59,579
physics or science doesn't explain for

936
00:40:57,639 --> 00:41:02,529
example how maybe people communicate

937
00:40:59,579 --> 00:41:05,260
across distances or stuff like that but

938
00:41:02,530 --> 00:41:08,170
things that have to do with breaking the

939
00:41:05,260 --> 00:41:10,720
laws of science like looking into the

940
00:41:08,170 --> 00:41:12,970
future those are I would be very

941

00:41:10,719 --> 00:41:17,108
interested to know what Chris row things

942
00:41:12,969 --> 00:41:19,088
about that but but but more importantly

943
00:41:17,108 --> 00:41:22,719
for the from the perspective of what

944
00:41:19,088 --> 00:41:24,279
we're discussing right now how if all

945
00:41:22,719 --> 00:41:26,289
the basic parameters are the same and

946
00:41:24,280 --> 00:41:28,720
the replication rate is about the same

947
00:41:26,289 --> 00:41:33,279
in all that how come how can we justify

948
00:41:28,719 --> 00:41:36,969
not accepting the evidence for whatever

949
00:41:33,280 --> 00:41:39,760
paranormal research Chris engages in but

950
00:41:36,969 --> 00:41:42,250
accepting the research for just

951
00:41:39,760 --> 00:41:43,960
mainstream psychological research well

952
00:41:42,250 --> 00:41:46,769
they again with mainstream psychological

953
00:41:43,960 --> 00:41:49,838
research there are literally dozens

954
00:41:46,769 --> 00:41:52,210
hundreds of effects that are very very

955
00:41:49,838 --> 00:41:54,159

robust totally replicable much bigger

956

00:41:52,210 --> 00:41:56,559

effect sizes and the kind of thing we

957

00:41:54,159 --> 00:41:59,980

were talking about today and the kind of

958

00:41:56,559 --> 00:42:03,369

thing that you typically find in

959

00:41:59,980 --> 00:42:06,730

parapsychology now I mean at the end of

960

00:42:03,369 --> 00:42:09,309

the day in terms of whether or not any

961

00:42:06,730 --> 00:42:11,079

of these effects are real I think there

962

00:42:09,309 --> 00:42:12,909

was happened recently with this kind of

963

00:42:11,079 --> 00:42:16,750

it's been referred to as a crisis of

964

00:42:12,909 --> 00:42:18,519

confidence in psychology I would agree

965

00:42:16,750 --> 00:42:20,559

with Chris row that actually it's just a

966

00:42:18,519 --> 00:42:24,250

bit of healthy self criticism you know

967

00:42:20,559 --> 00:42:26,259

that we have acknowledged that there are

968

00:42:24,250 --> 00:42:28,719

these issues that arise that some of the

969

00:42:26,260 --> 00:42:31,000

effects some of the effects that are

970
00:42:28,719 --> 00:42:33,368
reported in mainstream psychology

971
00:42:31,000 --> 00:42:36,670
journals are probably not really facts

972
00:42:33,369 --> 00:42:38,019
and we are trying to address that and I

973
00:42:36,670 --> 00:42:39,730
think that's a really really good thing

974
00:42:38,019 --> 00:42:42,068
to be doing and I hope it actually sets

975
00:42:39,730 --> 00:42:43,750
a standard for other sciences to try and

976
00:42:42,068 --> 00:42:45,818
follow because it's these are not issues

977
00:42:43,750 --> 00:42:48,159
that only effect psychology and

978
00:42:45,818 --> 00:42:49,779
parapsychology there is a much bigger

979
00:42:48,159 --> 00:42:55,239
problem of replication with in

980
00:42:49,780 --> 00:42:57,160
parapsychology the there is sort of in a

981
00:42:55,239 --> 00:42:58,189
very simplistically there isn't a single

982
00:42:57,159 --> 00:43:00,920
power

983
00:42:58,190 --> 00:43:02,690
normal effect that you could use as the

984
00:43:00,920 --> 00:43:04,940
basis for a first-year lab class and

985
00:43:02,690 --> 00:43:06,530
hope to stand any chance at all of

986
00:43:04,940 --> 00:43:08,329
actually getting a significant results

987
00:43:06,530 --> 00:43:10,010
now there are dozens and dozens and

988
00:43:08,329 --> 00:43:11,599
dozens of psychological effects so what

989
00:43:10,010 --> 00:43:13,160
does so what does Chris say about that

990
00:43:11,599 --> 00:43:17,119
work I think I mean I think Chris would

991
00:43:13,159 --> 00:43:20,210
say I mean inevitably what all the

992
00:43:17,119 --> 00:43:22,699
sciences are about is trying to separate

993
00:43:20,210 --> 00:43:23,990
the signal from the noise okay they're

994
00:43:22,699 --> 00:43:27,189
gonna be sources of error there's going

995
00:43:23,989 --> 00:43:29,869
to be all this kind of stuff and

996
00:43:27,190 --> 00:43:34,369
basically it can be sometimes very very

997
00:43:29,869 --> 00:43:38,599
difficult to do that now my view is that

998

00:43:34,369 --> 00:43:41,509
what this recent controversy kind of

999
00:43:38,599 --> 00:43:43,009
highlights is that a lot of the effects

1000
00:43:41,510 --> 00:43:47,390
that actually get published in very good

1001
00:43:43,010 --> 00:43:49,990
journals in in experimental written

1002
00:43:47,389 --> 00:43:53,539
reports that look as if the studies were

1003
00:43:49,989 --> 00:43:55,609
properly controlled etc etc etc there'll

1004
00:43:53,539 --> 00:43:57,320
be a percentage of those effects that

1005
00:43:55,610 --> 00:43:59,450
aren't actually really affects their

1006
00:43:57,320 --> 00:44:01,720
spurious for various reasons but

1007
00:43:59,449 --> 00:44:03,949
questionable research practices

1008
00:44:01,719 --> 00:44:06,759
occasional deliberate fraud although

1009
00:44:03,949 --> 00:44:09,859
it's probably quite rare but it happens

1010
00:44:06,760 --> 00:44:12,440
statistical blips etc etc all of those

1011
00:44:09,860 --> 00:44:15,500
kinds of things now the question then

1012
00:44:12,440 --> 00:44:18,710

becomes well what would it be like if

1013

00:44:15,500 --> 00:44:20,630

you had a science that was actually just

1014

00:44:18,710 --> 00:44:23,110

based on noise there were no real

1015

00:44:20,630 --> 00:44:25,099

signals there I think it would look like

1016

00:44:23,110 --> 00:44:27,860

parapsychology I think that is what

1017

00:44:25,099 --> 00:44:29,599

parapsychology is and I think for that

1018

00:44:27,860 --> 00:44:31,070

reason it's kind of quite instructive it

1019

00:44:29,599 --> 00:44:33,619

tells us about the limits of the

1020

00:44:31,070 --> 00:44:34,970

scientific method now that's not to say

1021

00:44:33,619 --> 00:44:37,279

obviously I'm still a huge fan of the

1022

00:44:34,969 --> 00:44:39,199

scientific method it's the best way we

1023

00:44:37,280 --> 00:44:40,940

have it's like Churchill said about

1024

00:44:39,199 --> 00:44:42,829

democracy you know it's okay it's

1025

00:44:40,940 --> 00:44:45,320

rubbish but it's the best system we've

1026

00:44:42,829 --> 00:44:47,179

got it and I feel very much that that

1027
00:44:45,320 --> 00:44:48,470
about where it comes to trying to

1028
00:44:47,179 --> 00:44:51,649
determine the truth about the way things

1029
00:44:48,469 --> 00:44:53,989
are science is without doubt the best

1030
00:44:51,650 --> 00:44:57,470
way to try and do it but scientists are

1031
00:44:53,989 --> 00:44:59,589
human therefore it's not perfect do you

1032
00:44:57,469 --> 00:45:01,730
think that applies particularly to

1033
00:44:59,590 --> 00:45:04,610
social sciences because we are

1034
00:45:01,730 --> 00:45:07,070
intimately humans I mean I a couple of

1035
00:45:04,610 --> 00:45:10,510
years ago did some I did a segment for

1036
00:45:07,070 --> 00:45:13,930
for skeptics on podcast about economics

1037
00:45:10,510 --> 00:45:15,640
and I spoke to economists and it was

1038
00:45:13,929 --> 00:45:17,889
quite astonishing to you speak to

1039
00:45:15,639 --> 00:45:20,440
economists and I think I spoke to about

1040
00:45:17,889 --> 00:45:22,389
six or seven of them mostly academics

1041
00:45:20,440 --> 00:45:24,789
and all but one basically said that

1042
00:45:22,389 --> 00:45:25,690
economics is rubbish at predicting

1043
00:45:24,789 --> 00:45:27,400
anything they're they're very good at

1044
00:45:25,690 --> 00:45:29,110
post dictating yeah you know explaining

1045
00:45:27,400 --> 00:45:30,670
the past they're very good at a

1046
00:45:29,110 --> 00:45:33,490
particular views are completely

1047
00:45:30,670 --> 00:45:35,590
completely useless yeah um do you feel

1048
00:45:33,489 --> 00:45:38,649
that any because it is to a certain

1049
00:45:35,590 --> 00:45:40,570
extent it's not a certain extent it is a

1050
00:45:38,650 --> 00:45:42,490
social science there is a little bit of

1051
00:45:40,570 --> 00:45:44,320
other other things in economy in

1052
00:45:42,489 --> 00:45:46,059
economics but do you feel that that's

1053
00:45:44,320 --> 00:45:48,430
the case because humans are so complex

1054
00:45:46,059 --> 00:45:51,670
in human society is even more complex

1055

00:45:48,429 --> 00:45:53,230
than individual humans that it is that

1056
00:45:51,670 --> 00:45:55,570
those weaknesses are basically a result

1057
00:45:53,230 --> 00:46:00,900
of that I think it cuts both ways in in

1058
00:45:55,570 --> 00:46:03,789
the sense that if you tend to find the

1059
00:46:00,900 --> 00:46:05,920
parapsychologists psychologists are more

1060
00:46:03,789 --> 00:46:08,259
aware of these kinds of issues these

1061
00:46:05,920 --> 00:46:11,289
kind of methodological issues that

1062
00:46:08,260 --> 00:46:13,090
involve unintended bias on the part of

1063
00:46:11,289 --> 00:46:16,509
the experimenter and so on and so forth

1064
00:46:13,090 --> 00:46:19,329
we are kind of used to that because our

1065
00:46:16,510 --> 00:46:22,420
data is messy it's complicated it's

1066
00:46:19,329 --> 00:46:24,880
messy you have to kind of make decisions

1067
00:46:22,420 --> 00:46:26,860
about you know should I or should I

1068
00:46:24,880 --> 00:46:28,329
include that data point or shouldn't I

1069
00:46:26,860 --> 00:46:29,829

you know that wasn't that the guy who

1070

00:46:28,329 --> 00:46:31,329

maybe was when we were running

1071

00:46:29,829 --> 00:46:33,400

experiment seemed to not quite

1072

00:46:31,329 --> 00:46:35,799

understand the instructions over but now

1073

00:46:33,400 --> 00:46:37,150

it's messy messy messy whereas in the

1074

00:46:35,800 --> 00:46:38,710

Natural Sciences other thing you need to

1075

00:46:37,150 --> 00:46:39,849

worry about that very much at all you

1076

00:46:38,710 --> 00:46:42,099

know if you're a chemist you are day to

1077

00:46:39,849 --> 00:46:45,460

be you get c plus D every single time

1078

00:46:42,099 --> 00:46:47,889

you do it you know but that the drawback

1079

00:46:45,460 --> 00:46:50,110

there can be that within the natural

1080

00:46:47,889 --> 00:46:53,400

sciences because of this complete almost

1081

00:46:50,110 --> 00:46:56,820

lack of awareness of the possibility of

1082

00:46:53,400 --> 00:46:59,849

subjective bias coming in you can get

1083

00:46:56,820 --> 00:47:02,110

episodes like the benveniste episode

1084
00:46:59,849 --> 00:47:04,150
because they just simply were not aware

1085
00:47:02,110 --> 00:47:07,000
they were so naive in terms of these

1086
00:47:04,150 --> 00:47:08,619
other issues so it kind of cuts both

1087
00:47:07,000 --> 00:47:10,420
ways so just for those who don't know

1088
00:47:08,619 --> 00:47:11,859
basically they were choosing the results

1089
00:47:10,420 --> 00:47:12,820
they wanted but they were not aware that

1090
00:47:11,860 --> 00:47:14,769
they would just there were the base

1091
00:47:12,820 --> 00:47:16,180
right now it was busily discarding the

1092
00:47:14,769 --> 00:47:17,530
unwanted results but they were not doing

1093
00:47:16,179 --> 00:47:19,839
it consciously I mean gonna say

1094
00:47:17,530 --> 00:47:22,360
illustrator anecdotal I know but many

1095
00:47:19,840 --> 00:47:24,670
many years ago my partner at the time

1096
00:47:22,360 --> 00:47:26,590
was doing an internship was in a medical

1097
00:47:24,670 --> 00:47:29,220
degree at her to did an intercalated

1098
00:47:26,590 --> 00:47:32,410
year in a department of pharmacology and

1099
00:47:29,219 --> 00:47:33,549
she would tell me about the the way that

1100
00:47:32,409 --> 00:47:35,440
they were there on the lab to do their

1101
00:47:33,550 --> 00:47:36,940
experiments and they'd be plotting their

1102
00:47:35,440 --> 00:47:38,710
data points and of course they'd usually

1103
00:47:36,940 --> 00:47:40,840
come out on nice straight lines which

1104
00:47:38,710 --> 00:47:43,179
you never get inside ecology though but

1105
00:47:40,840 --> 00:47:44,829
occasionally the be a data point that

1106
00:47:43,179 --> 00:47:46,269
which was way off and they're just

1107
00:47:44,829 --> 00:47:47,289
saying elements of the dirty test tube

1108
00:47:46,269 --> 00:47:48,699
and they're just rub it out so you know

1109
00:47:47,289 --> 00:47:50,800
they wouldn't even mention that that

1110
00:47:48,699 --> 00:47:54,519
data point had occurred now in

1111
00:47:50,800 --> 00:47:56,410
psychology ideally would not do that I

1112

00:47:54,519 --> 00:47:59,800
mean and again what I'm saying is that

1113
00:47:56,409 --> 00:48:01,420
on the one hand ideally you mention

1114
00:47:59,800 --> 00:48:03,010
exactly what you've done exactly what

1115
00:48:01,420 --> 00:48:04,450
you found you justify every decision

1116
00:48:03,010 --> 00:48:06,550
you've made for the data analysis et

1117
00:48:04,449 --> 00:48:08,739
cetera et cetera in practice sometimes I

1118
00:48:06,550 --> 00:48:09,880
admit that doesn't happen you don't but

1119
00:48:08,739 --> 00:48:11,679
sometimes you wouldn't know that you've

1120
00:48:09,880 --> 00:48:14,320
actually raised your eyebrows well yeah

1121
00:48:11,679 --> 00:48:17,859
exactly it's kind of it's it's one of

1122
00:48:14,320 --> 00:48:18,789
those things that ever say I think

1123
00:48:17,860 --> 00:48:22,740
there's that there's a greater

1124
00:48:18,789 --> 00:48:26,679
appreciation of like the underlying

1125
00:48:22,739 --> 00:48:29,500
assumptions regarding the methodology

1126
00:48:26,679 --> 00:48:31,989

and when something is justified and when

1127

00:48:29,500 --> 00:48:34,150

it's not maybe within the messy social

1128

00:48:31,989 --> 00:48:36,879

sciences because yes I generally you

1129

00:48:34,150 --> 00:48:39,160

don't need it in in most areas of

1130

00:48:36,880 --> 00:48:42,160

chemistry or physics and so on but of

1131

00:48:39,159 --> 00:48:43,629

course you find that I mean you go into

1132

00:48:42,159 --> 00:48:46,420

some areas particularly very very

1133

00:48:43,630 --> 00:48:48,700

theoretical physics and well you know

1134

00:48:46,420 --> 00:48:49,930

all everything just changes i mean i

1135

00:48:48,699 --> 00:48:51,849

don't know i don't know much about

1136

00:48:49,929 --> 00:48:54,669

string theory but i understand it's very

1137

00:48:51,849 --> 00:48:57,039

very difficult to test experimental it i

1138

00:48:54,670 --> 00:48:58,599

think one of the issues of us fear is

1139

00:48:57,039 --> 00:49:00,429

that they do not occur to actually

1140

00:48:58,599 --> 00:49:02,559

currently have a test for it absolutely

1141
00:49:00,429 --> 00:49:03,969
so where do where do where does that

1142
00:49:02,559 --> 00:49:07,059
leave us you know and i'd say at least

1143
00:49:03,969 --> 00:49:08,679
psychology is probably preferably that

1144
00:49:07,059 --> 00:49:10,299
said but i mean in terms of the whole

1145
00:49:08,679 --> 00:49:14,109
kind of philosophy of science type

1146
00:49:10,300 --> 00:49:16,539
things you know some some areas it's

1147
00:49:14,110 --> 00:49:19,690
very straightforward replicability is

1148
00:49:16,539 --> 00:49:21,190
not an issue the data generally is very

1149
00:49:19,690 --> 00:49:22,960
very nice and clean but the people in

1150
00:49:21,190 --> 00:49:24,700
those areas are likely to be quite naive

1151
00:49:22,960 --> 00:49:28,150
about these kind of areas about

1152
00:49:24,699 --> 00:49:29,949
subjective buyers we for all our kind of

1153
00:49:28,150 --> 00:49:32,170
better understanding of that we also

1154
00:49:29,949 --> 00:49:33,819
have very very messy data and that the

1155
00:49:32,170 --> 00:49:34,778
difficulty is that sometimes we may then

1156
00:49:33,820 --> 00:49:37,599
say we've

1157
00:49:34,778 --> 00:49:39,278
really effect when we haven't so one

1158
00:49:37,599 --> 00:49:41,588
final question and that is to do with

1159
00:49:39,278 --> 00:49:42,969
the future I'm going to ask you to move

1160
00:49:41,588 --> 00:49:45,608
into the future and report what you'd

1161
00:49:42,969 --> 00:49:47,349
seen they're allowing a great believer

1162
00:49:45,608 --> 00:49:48,759
in precognition as you know having an

1163
00:49:47,349 --> 00:49:51,189
having had a failed replication of the

1164
00:49:48,759 --> 00:49:54,068
dems wonderful experiment and yes which

1165
00:49:51,188 --> 00:49:56,318
was never know it was we did get a post

1166
00:49:54,068 --> 00:49:58,358
it was in plus one over and in fact

1167
00:49:56,318 --> 00:49:59,708
we've got a thousand a thousand views a

1168
00:49:58,358 --> 00:50:01,358
day at one point we were getting for

1169

00:49:59,708 --> 00:50:02,739
that paper I said no it actually the now

1170
00:50:01,358 --> 00:50:04,478
that you've mentioned it you have you

1171
00:50:02,739 --> 00:50:05,858
have to actually maybe say woody okay

1172
00:50:04,478 --> 00:50:10,629
what what what Daryl BEM did he

1173
00:50:05,858 --> 00:50:12,788
published he published a paper in a

1174
00:50:10,630 --> 00:50:14,439
mainstream psychology journal journal of

1175
00:50:12,789 --> 00:50:15,789
personality and social psychology very

1176
00:50:14,438 --> 00:50:18,278
high impact journal very well respected

1177
00:50:15,789 --> 00:50:19,929
journal Daryl BEM is a professor of

1178
00:50:18,278 --> 00:50:22,929
psychology at Cornell very well

1179
00:50:19,929 --> 00:50:25,689
respected academic known to be very

1180
00:50:22,929 --> 00:50:27,159
sympathetic towards parapsychology it's

1181
00:50:25,688 --> 00:50:29,739
a series of nine experiment over a

1182
00:50:27,159 --> 00:50:31,539
thousand participants and essentially it

1183
00:50:29,739 --> 00:50:33,400

was apparently presenting very strong

1184

00:50:31,539 --> 00:50:35,799
evidence in favor of the idea that

1185

00:50:33,400 --> 00:50:38,918
people could sense future events before

1186

00:50:35,798 --> 00:50:41,759
they take in place and to Ben's credit

1187

00:50:38,918 --> 00:50:43,629
he did actually appeal for other

1188

00:50:41,759 --> 00:50:46,778
psychologists to try to replicate the

1189

00:50:43,630 --> 00:50:49,769
results so myself Richard Wiseman and

1190

00:50:46,778 --> 00:50:52,329
Stuart Richie decided would do just that

1191

00:50:49,768 --> 00:50:54,998
we each decided that we would do an

1192

00:50:52,329 --> 00:50:56,709
independent replication of Ben's

1193

00:50:54,998 --> 00:50:59,558
experiment nine which had the biggest

1194

00:50:56,708 --> 00:51:01,088
effect size and without going into

1195

00:50:59,559 --> 00:51:03,548
detail suffice it to say we didn't

1196

00:51:01,088 --> 00:51:05,108
replicate we wrote the paper a trigger

1197

00:51:03,548 --> 00:51:06,668
the study but not the results we

1198
00:51:05,108 --> 00:51:08,259
replicated yeah we replicated the study

1199
00:51:06,668 --> 00:51:11,558
methodology we did not get the results

1200
00:51:08,259 --> 00:51:13,838
that then reported exactly and we wrote

1201
00:51:11,559 --> 00:51:15,699
this herb we sent it into the same

1202
00:51:13,838 --> 00:51:17,369
journal that had published benz very

1203
00:51:15,699 --> 00:51:21,039
controversial findings that received

1204
00:51:17,369 --> 00:51:23,048
international attention although world's

1205
00:51:21,039 --> 00:51:25,959
mainstream science media who picked up

1206
00:51:23,048 --> 00:51:28,389
on this and runs on mainstream in not

1207
00:51:25,958 --> 00:51:30,308
i'm not so made yeah they love shortly

1208
00:51:28,389 --> 00:51:34,900
baby male had so i think absolutely yeah

1209
00:51:30,309 --> 00:51:36,819
but you know Eve even even kind of more

1210
00:51:34,900 --> 00:51:37,989
serious sensible sensible newspapers

1211
00:51:36,818 --> 00:51:40,208
were kind of say oh this is really

1212
00:51:37,989 --> 00:51:42,999
interesting which it would be that which

1213
00:51:40,208 --> 00:51:45,219
if it was a replicable effect yeah we

1214
00:51:42,998 --> 00:51:47,468
did not manage to replicate his results

1215
00:51:45,219 --> 00:51:48,079
we sent our paper into the same journal

1216
00:51:47,469 --> 00:51:50,240
that I'd public

1217
00:51:48,079 --> 00:51:53,000
should the paper that caused so much

1218
00:51:50,239 --> 00:51:55,129
controversy and the editor simply

1219
00:51:53,000 --> 00:51:57,619
rejected it without even sending out for

1220
00:51:55,130 --> 00:51:59,390
peer review and we thought this was

1221
00:51:57,619 --> 00:52:00,769
wrong but he would not be swayed we got

1222
00:51:59,389 --> 00:52:04,009
the same treatment from another couple

1223
00:52:00,769 --> 00:52:05,269
of high impact journals which shows that

1224
00:52:04,010 --> 00:52:07,340
there is this bias there is a

1225
00:52:05,269 --> 00:52:09,860
publication bias in mainstream science

1226

00:52:07,340 --> 00:52:11,600
against negative against against results

1227
00:52:09,860 --> 00:52:13,250
on the one hand negative results they

1228
00:52:11,599 --> 00:52:14,779
don't want to publish results a

1229
00:52:13,250 --> 00:52:16,849
non-significant and on the other hand

1230
00:52:14,780 --> 00:52:20,269
results that just for experiments as

1231
00:52:16,849 --> 00:52:23,000
straight replications of a reported

1232
00:52:20,269 --> 00:52:25,639
effect and we think that in this case I

1233
00:52:23,000 --> 00:52:28,730
mean if this effect were real it would

1234
00:52:25,639 --> 00:52:32,269
demand a kind of complete radical

1235
00:52:28,730 --> 00:52:34,070
overhaul of physics yeah so it's really

1236
00:52:32,269 --> 00:52:35,809
important it cannot be treated in this

1237
00:52:34,070 --> 00:52:36,950
way that you publish the original paper

1238
00:52:35,809 --> 00:52:39,019
and then say that's right we're not

1239
00:52:36,949 --> 00:52:40,779
doing after that anyway long story short

1240
00:52:39,019 --> 00:52:43,519

we did get it published in PLoS ONE

1241
00:52:40,780 --> 00:52:45,860
ultimate later we did get managed to

1242
00:52:43,519 --> 00:52:47,780
generate a lot of media interest in our

1243
00:52:45,860 --> 00:52:50,590
failed replication so that was a result

1244
00:52:47,780 --> 00:52:52,880
but it fed in then to this ongoing

1245
00:52:50,590 --> 00:52:54,950
discussion and controversy about

1246
00:52:52,880 --> 00:52:57,289
replication issues in soccer one of the

1247
00:52:54,949 --> 00:52:59,269
benefits obviously of policy and in plus

1248
00:52:57,289 --> 00:53:01,759
plus one is that it's open access

1249
00:52:59,269 --> 00:53:04,820
exactly instances so anybody can

1250
00:53:01,760 --> 00:53:08,720
download that paper which I so back to

1251
00:53:04,820 --> 00:53:10,970
my question earlier but so the

1252
00:53:08,719 --> 00:53:11,869
specifically Chris Rose the what is

1253
00:53:10,969 --> 00:53:14,689
called the Society for psychical

1254
00:53:11,869 --> 00:53:18,109
Research Society say society psychic

1255
00:53:14,690 --> 00:53:21,200
psychic or psychic research has has

1256
00:53:18,110 --> 00:53:24,230
existed for a long time it's 1882 yeah

1257
00:53:21,199 --> 00:53:26,299
so far that they haven't really I mean

1258
00:53:24,230 --> 00:53:28,369
they haven't had magnificent results you

1259
00:53:26,300 --> 00:53:30,470
know nothing groundbreaking I said yeah

1260
00:53:28,369 --> 00:53:32,599
in that time no I would say that heaven

1261
00:53:30,469 --> 00:53:34,609
haven't had any positive results but

1262
00:53:32,599 --> 00:53:36,440
nothing that was grant really truly

1263
00:53:34,610 --> 00:53:40,430
groundbreaking they would expect if

1264
00:53:36,440 --> 00:53:41,780
something was a paranormal where do you

1265
00:53:40,429 --> 00:53:45,919
think they're going do you think they're

1266
00:53:41,780 --> 00:53:47,510
going anywhere and specifically let's

1267
00:53:45,920 --> 00:53:49,730
let us see him for a moment that that

1268
00:53:47,510 --> 00:53:52,490
this continues to be the way you know

1269
00:53:49,730 --> 00:53:54,079
minor positive results not replicable

1270
00:53:52,489 --> 00:53:56,989
and all that do you think they will ever

1271
00:53:54,079 --> 00:53:59,210
stop I think that's the latter day when

1272
00:53:56,989 --> 00:54:01,159
the Society for psychical research was

1273
00:53:59,210 --> 00:54:04,588
formed in eighteen eighty two

1274
00:54:01,159 --> 00:54:06,659
it was in response to really a couple of

1275
00:54:04,588 --> 00:54:09,960
things that were around at a time one

1276
00:54:06,659 --> 00:54:13,078
was that Darwin had published on the

1277
00:54:09,960 --> 00:54:16,260
origin of species and that raised

1278
00:54:13,079 --> 00:54:18,390
serious issues for scientists who were

1279
00:54:16,260 --> 00:54:20,430
Christians the clear implication was

1280
00:54:18,389 --> 00:54:21,568
well hang on when did we get the soul

1281
00:54:20,429 --> 00:54:24,409
that he come along with the opposable

1282
00:54:21,568 --> 00:54:27,230
thumb well that was down there and

1283

00:54:24,409 --> 00:54:30,588
secondly it was at the height of the

1284
00:54:27,230 --> 00:54:32,608
Victorian crazed the séances and

1285
00:54:30,588 --> 00:54:35,338
obviously been poor folders this is

1286
00:54:32,608 --> 00:54:38,578
proof of life after death the SPR was

1287
00:54:35,338 --> 00:54:41,849
founded mainly with a view to using

1288
00:54:38,579 --> 00:54:44,010
science to prove that survival

1289
00:54:41,849 --> 00:54:45,990
post-mortem survival was a reality and

1290
00:54:44,010 --> 00:54:48,000
they thought they'd do this rapidly

1291
00:54:45,989 --> 00:54:50,879
maybe 10 20 years and that would be here

1292
00:54:48,000 --> 00:54:54,150
are we done and dusted you know and a

1293
00:54:50,880 --> 00:54:55,588
few years later the American Society for

1294
00:54:54,150 --> 00:54:56,940
psychical research was founded again

1295
00:54:55,588 --> 00:54:58,409
with this very similar aims William

1296
00:54:56,940 --> 00:55:00,630
James the great William James run the

1297
00:54:58,409 --> 00:55:02,639

founding members and a lot of the people

1298

00:55:00,630 --> 00:55:04,950

who did found these societies and ran

1299

00:55:02,639 --> 00:55:06,659

them were the best thinkers of the day

1300

00:55:04,949 --> 00:55:09,210

you know they were really high level

1301

00:55:06,659 --> 00:55:11,278

intellectuals and they really work yeah

1302

00:55:09,210 --> 00:55:13,798

they weren't I'm gonna just cranks by

1303

00:55:11,278 --> 00:55:16,199

any means now the society has been going

1304

00:55:13,798 --> 00:55:17,670

now obviously for a very long time the

1305

00:55:16,199 --> 00:55:20,000

bin parapsychology has gone through

1306

00:55:17,670 --> 00:55:22,440

various changes and transformations

1307

00:55:20,000 --> 00:55:26,039

Chris row made the point today and he's

1308

00:55:22,440 --> 00:55:27,358

right that the amount of a number of

1309

00:55:26,039 --> 00:55:30,660

person hours that have gone into

1310

00:55:27,358 --> 00:55:35,880

parapsychological research is negligible

1311

00:55:30,659 --> 00:55:38,429

compared to mainstream science one point

1312
00:55:35,880 --> 00:55:41,250
I would make in reply to that is that an

1313
00:55:38,429 --> 00:55:43,108
AMA list excit has been going for it

1314
00:55:41,250 --> 00:55:45,389
even shorter period of time with even

1315
00:55:43,108 --> 00:55:48,328
fewer people but within that time we

1316
00:55:45,389 --> 00:55:50,578
have got a number of reliable replicable

1317
00:55:48,329 --> 00:55:52,559
results in terms of trying to explain

1318
00:55:50,579 --> 00:55:56,220
ostensibly paranormal experiences in

1319
00:55:52,559 --> 00:55:59,130
non-paranormal terms so yeah I think we

1320
00:55:56,219 --> 00:56:01,318
should by now i have really expected to

1321
00:55:59,130 --> 00:56:03,180
see a bit more progress if there really

1322
00:56:01,318 --> 00:56:04,829
was something and the idea now having

1323
00:56:03,179 --> 00:56:07,098
said all that I think there are very

1324
00:56:04,829 --> 00:56:09,720
good reasons to believe that

1325
00:56:07,099 --> 00:56:12,509
parapsychology will just continue with

1326
00:56:09,719 --> 00:56:13,489
the past pattern of a series of false

1327
00:56:12,509 --> 00:56:17,119
dawns

1328
00:56:13,489 --> 00:56:18,500
that because of their kind of factors

1329
00:56:17,119 --> 00:56:21,079
we've been talking about questionable

1330
00:56:18,500 --> 00:56:23,000
research practices very occasional for

1331
00:56:21,079 --> 00:56:24,679
audits is only occasional but Cajun

1332
00:56:23,000 --> 00:56:26,599
probably wouldn't be much more fraud

1333
00:56:24,679 --> 00:56:28,250
there than another area I don't support

1334
00:56:26,599 --> 00:56:30,440
in science it's just fraud in science

1335
00:56:28,250 --> 00:56:31,969
generally you know and it happens it's a

1336
00:56:30,440 --> 00:56:33,650
part of human nature is something

1337
00:56:31,969 --> 00:56:35,209
obviously we need to try and stamp out

1338
00:56:33,650 --> 00:56:37,460
and control but it's there we need to

1339
00:56:35,210 --> 00:56:39,230
recognize that and all these other

1340

00:56:37,460 --> 00:56:41,539
factors that will lead to the occasional

1341
00:56:39,230 --> 00:56:43,909
spurious Lee significant result will

1342
00:56:41,539 --> 00:56:46,969
mean that there'll be enough to

1343
00:56:43,909 --> 00:56:48,500
encourage people like Chris Rogan but

1344
00:56:46,969 --> 00:56:50,989
with whom have a great deal of respect

1345
00:56:48,500 --> 00:56:52,340
for chris to think yeah I think there

1346
00:56:50,989 --> 00:56:53,959
might be something it's just around the

1347
00:56:52,340 --> 00:56:55,760
next corner it's just around the next

1348
00:56:53,960 --> 00:56:58,490
corner and I don't think we'll ever get

1349
00:56:55,760 --> 00:57:00,110
there but again hey I could be wrong you

1350
00:56:58,489 --> 00:57:03,039
know if the parapsychologist can come up

1351
00:57:00,110 --> 00:57:06,289
with a reliable replicable robust

1352
00:57:03,039 --> 00:57:07,610
demonstration that psy is real well i'll

1353
00:57:06,289 --> 00:57:09,409
be a bit embarrassed but i'll get over

1354
00:57:07,610 --> 00:57:11,630

that you know it'd be a great advance in

1355

00:57:09,409 --> 00:57:12,819

science i'm not that in the house on it

1356

00:57:11,630 --> 00:57:15,019

though and i'm not holding my breath

1357

00:57:12,820 --> 00:57:17,080

Chris friend thank you very much thank

1358

00:57:15,019 --> 00:57:17,079

you

1359

00:57:30,710 --> 00:57:34,650

thank you for listening to the skeptic

1360

00:57:33,179 --> 00:57:36,779

zone and I'm certainly looking forward

1361

00:57:34,650 --> 00:57:39,840

to meeting some of you at the amazing

1362

00:57:36,780 --> 00:57:43,710

meeting coming up in july this year in

1363

00:57:39,840 --> 00:57:47,550

Las Vegas more information at WWE r and

1364

00:57:43,710 --> 00:57:49,889

org it'll be great to catch up with well

1365

00:57:47,550 --> 00:57:53,250

people I only see once a year and of

1366

00:57:49,889 --> 00:57:55,199

course James Randi himself and what a

1367

00:57:53,250 --> 00:57:58,139

lineup they have for the amazing meeting

1368

00:57:55,199 --> 00:58:00,629

this year well what can I say it's

1369
00:57:58,139 --> 00:58:02,369
amazing and thank you again to those

1370
00:58:00,630 --> 00:58:04,740
people who chip in to the skeptic zone

1371
00:58:02,369 --> 00:58:07,769
most less than a dollar a week some a

1372
00:58:04,739 --> 00:58:10,799
little bit more and some even send or

1373
00:58:07,769 --> 00:58:13,679
quite a bit more money our way to help

1374
00:58:10,800 --> 00:58:15,600
us keep producing the show it's very

1375
00:58:13,679 --> 00:58:17,899
much appreciated and this simply

1376
00:58:15,599 --> 00:58:20,190
wouldn't be a show without that support

1377
00:58:17,900 --> 00:58:22,380
but for this week this is Richard

1378
00:58:20,190 --> 00:58:28,320
Saunders signing off from Sydney

1379
00:58:22,380 --> 00:58:33,030
Australia you've been listening to the

1380
00:58:28,320 --> 00:58:36,870
skeptic zone visit her website at www

1381
00:58:33,030 --> 00:58:40,550
skeptics on TV for comments contacts and

1382
00:58:36,869 --> 00:58:40,549
extra video reports

1383

00:58:43,500 --> 00:58:45,530

Oh