The Skeptic Zone
Show 351 - 12 July 2015
Catherine Hughes

1
00:00:22,109 --> 00:00:09,100
welcome to the skeptic zone the podcast

2
00:00:28,890 --> 00:00:24,880
hello and welcome to the skeptic zone

3
00:00:31,810 --> 00:00:28,900
episode number 351 for the 12th of july

4
00:00:35,530 --> 00:00:31,820
2015 richardsaunders here with you from

5
00:00:37,299 --> 00:00:35,540
the Bay Area San Francisco visiting

6
00:00:39,729 --> 00:00:37,309
friends and family getting over a little

7
00:00:42,250 --> 00:00:39,739
bit of jet lag before I head off to the

8
00:00:44,170 --> 00:00:42,260
amazing meeting and if you're coming to

9
00:00:47,259 --> 00:00:44,180
the amazing meeting tam in las vegas

10
00:00:49,569 --> 00:00:47,269
1013 i hope to see you and i hope you

11
00:00:51,549 --> 00:00:49,579
come up and say hello i'd love to meet

12
00:00:54,039 --> 00:00:51,559
you now this week's show as a result of

13
00:00:57,490 --> 00:00:54,049

my travels is a little bit of a well a

14
00:00:58,990 --> 00:00:57,500
little bit of a mix and match sort of

15
00:01:00,939 --> 00:00:59,000
show we've got some great interviews

16
00:01:04,630 --> 00:01:00,949
coming up with Heidi Robinson the raw

17
00:01:06,399 --> 00:01:04,640
skeptic really i'm very pleased Heidi's

18
00:01:08,890 --> 00:01:06,409
doing more interviews so I think she's

19
00:01:12,039 --> 00:01:08,900
very good out of folks she's going to be

20
00:01:14,590 --> 00:01:12,049
speaking to cath hughes who sadly lost a

21
00:01:16,270 --> 00:01:14,600
baby to whooping cough pertussis but

22
00:01:18,100 --> 00:01:16,280
some good news coming out of that if

23
00:01:20,679 --> 00:01:18,110
they can be there is and after that

24
00:01:21,940 --> 00:01:20,689
Heidi will talk to chris stevenson she

25
00:01:24,730 --> 00:01:21,950
caught up with chris stevenson that

26
00:01:27,450 --> 00:01:24,740
skepta camp in brisbane with some news

27
00:01:29,919 --> 00:01:27,460
about how you can help somebody

28
00:01:32,169 --> 00:01:29,929
suffering from cancer at the moment and

29
00:01:35,169 --> 00:01:32,179
let's hope it's a case of science to the

30
00:01:38,099 --> 00:01:35,179
rescue after that it's a couple of

31
00:01:41,709 --> 00:01:38,109
interviews I did last year at the

32
00:01:43,719 --> 00:01:41,719
paranormal faire enculer there'll be

33
00:01:46,989 --> 00:01:43,729
another one later in the year more about

34
00:01:51,639 --> 00:01:46,999
that later in the year I was interviewed

35
00:01:53,260 --> 00:01:51,649
by the website psychic reporter calm and

36
00:01:55,980 --> 00:01:53,270
good on them for having a skeptic on

37
00:01:58,599 --> 00:01:55,990
their website so you can hear my

38
00:02:03,190 --> 00:01:58,609

interviews and my points of view as

39
00:02:05,349 --> 00:02:03,200
given to normally a psychic website if

40
00:02:06,760 --> 00:02:05,359
that makes sense after that it's a week

41
00:02:09,760 --> 00:02:06,770
in science from our good friends of the

42
00:02:12,580 --> 00:02:09,770
Royal Institution of Australia www RI

43
00:02:15,850 --> 00:02:12,590
aus dog got a you I guess you should

44
00:02:18,190 --> 00:02:15,860
know that URL by now and to wind up the

45
00:02:21,210 --> 00:02:18,200
show to round off the show it's

46
00:02:25,330 --> 00:02:21,220
something from 2009 when I was on TV

47
00:02:28,110 --> 00:02:25,340
debating discussing debating astrology

48
00:02:31,839 --> 00:02:28,120
with one of Australia's foremost leading

49
00:02:34,480 --> 00:02:31,849
astrologers Milton black how did I fear

50
00:02:36,280 --> 00:02:34,490
how did i do find out towards

51
00:02:38,260 --> 00:02:36,290
the end of the show but before we get

52
00:02:40,450 --> 00:02:38,270
stuck into the skeptic zone a quick

53
00:02:42,820 --> 00:02:40,460
reminder that our good friends at the

54
00:02:46,690 --> 00:02:42,830
canberra skeptics and and they're very

55
00:02:49,930 --> 00:02:46,700
active folks ww Canberra skeptics dog

56
00:02:51,880 --> 00:02:49,940
today you and speaking about James Randi

57
00:02:55,840 --> 00:02:51,890
on the twenty-third of august this year

58
00:02:58,060 --> 00:02:55,850
at 1pm at King o'malley's irish pub

59
00:03:01,090 --> 00:02:58,070
that's a fun pub they're going to be

60
00:03:04,260 --> 00:03:01,100
screening and honest liar the wonderful

61
00:03:07,300 --> 00:03:04,270
film about James Randi the film that

62
00:03:09,300 --> 00:03:07,310
Randy and I to it australia with not so

63
00:03:11,890 --> 00:03:09,310

long ago if you haven't seen this

64
00:03:14,170 --> 00:03:11,900
documentary and honest liar and you're

65
00:03:17,470 --> 00:03:14,180
in the canberra area well why not go

66
00:03:20,080 --> 00:03:17,480
along again visit www canberra skeptics

67
00:03:23,070 --> 00:03:20,090
dot org delay you for more information

68
00:03:26,800 --> 00:03:23,080
but now it's time for me to run upstairs

69
00:03:29,980 --> 00:03:26,810
yes upstairs and have some more that

70
00:03:32,140 --> 00:03:29,990
lovely clam chowder i love so much when

71
00:03:34,900 --> 00:03:32,150
i visit the bay area clam chowder in a

72
00:03:41,260 --> 00:03:34,910
sourdough bowl with an ice-cold root

73
00:03:43,570 --> 00:03:41,270
beer hmm oh oh i do enjoy that and while

74
00:04:03,930 --> 00:03:43,580
i'm enjoying that i hope you enjoy the

75
00:04:17,620 --> 00:04:07,900
it's the raw skeptic report with Heidi

76
00:04:19,870 --> 00:04:17,630
Robertson recently on the skeptic zone

77
00:04:22,120 --> 00:04:19,880
we reported on the protests held around

78
00:04:24,700 --> 00:04:22,130
Australia concerning the new government

79
00:04:26,800 --> 00:04:24,710
legislation coming in which will see

80
00:04:28,900 --> 00:04:26,810
certain child care benefits withheld

81
00:04:32,440 --> 00:04:28,910
from parents who decide not to vaccinate

82
00:04:34,960 --> 00:04:32,450
their children the policy was reported

83
00:04:37,840 --> 00:04:34,970
in the media extensively and The Daily

84
00:04:41,440 --> 00:04:37,850
Telegraph termed it the no jab nope a

85
00:04:45,129 --> 00:04:41,450
policy the protests were organised via

86
00:04:49,060 --> 00:04:45,139
Facebook and returned the no jab no pay

87
00:04:51,250 --> 00:04:49,070
no way protests Richard and some fellow

88
00:04:54,279 --> 00:04:51,260

skeptics attended and reported on the

89
00:04:56,379 --> 00:04:54,289
Sydney protest whilst I also with some

90
00:04:59,560 --> 00:04:56,389
friends attended and reported on the

91
00:05:01,600 --> 00:04:59,570
Brisbane protest it was difficult for me

92
00:05:04,600 --> 00:05:01,610
to remain calm at that protest whilst

93
00:05:07,270 --> 00:05:04,610
hearing shaken baby syndrome blamed on

94
00:05:10,060 --> 00:05:07,280
vaccinations along with all the other

95
00:05:13,930 --> 00:05:10,070
old unsinkable rubber duck myths

96
00:05:16,330 --> 00:05:13,940
surrounding vaccination what made it

97
00:05:18,640 --> 00:05:16,340
more difficult than usual was the fact

98
00:05:21,339 --> 00:05:18,650
that i went there directly from the

99
00:05:23,529 --> 00:05:21,349
Brisbane Exhibition Centre where I had

100
00:05:26,830 --> 00:05:23,539
the privilege of helping out an amazing

101
00:05:30,029 --> 00:05:26,840
lady cath use at a stall at the

102
00:05:32,230 --> 00:05:30,039
pregnancy babies and children's expo I

103
00:05:35,830 --> 00:05:32,240
grabbed a quick interview with cath

104
00:05:37,480 --> 00:05:35,840
which will play now the irony of having

105
00:05:40,300 --> 00:05:37,490
a protest across the Brisbane River

106
00:05:43,300 --> 00:05:40,310
about a perceived freedom of choice

107
00:05:46,540 --> 00:05:43,310
being taken away was gobsmacking ly

108
00:05:49,480 --> 00:05:46,550
evident as you'll hear cath and her

109
00:05:52,279 --> 00:05:49,490
husband Greg's baby Riley had no choice

110
00:05:59,969 --> 00:05:55,889
so here i am at the brisbane pregnancy

111
00:06:02,669 --> 00:05:59,979
babies and children's expo and this

112
00:06:05,969 --> 00:06:02,679
expose running over three days this

113
00:06:08,629 --> 00:06:05,979

weekend and i'm here with cath Hughes

114
00:06:12,359 --> 00:06:08,639
who's Manning the light for Riley stall

115
00:06:13,739 --> 00:06:12,369
okay how are you good banks that's good

116
00:06:15,659 --> 00:06:13,749
and can you tell us a little bit about

117
00:06:19,409 --> 00:06:15,669
light for Riley and what the stalls all

118
00:06:21,419 --> 00:06:19,419
about sure-lite for Riley began a couple

119
00:06:24,449 --> 00:06:21,429
of months ago after my baby son Riley

120
00:06:26,699 --> 00:06:24,459
passed away from whooping cough two days

121
00:06:28,379 --> 00:06:26,709
after his death the government announced

122
00:06:30,629 --> 00:06:28,389
that they would provide free booster

123
00:06:32,849 --> 00:06:30,639
shots for whooping cough for pregnant

124
00:06:34,289 --> 00:06:32,859
women in their third trimester so we

125
00:06:36,629 --> 00:06:34,299
thought it would be ideal for us to be

126
00:06:38,489 --> 00:06:36,639
here at these baby expose to encourage

127
00:06:41,279 --> 00:06:38,499
all the pregnant women to make that

128
00:06:44,789 --> 00:06:41,289
choice and get their free whooping cough

129
00:06:46,829 --> 00:06:44,799
vaccine when they're pregnant it's an

130
00:06:49,619 --> 00:06:46,839
absolutely amazing thing that you've

131
00:06:52,379 --> 00:06:49,629
been able to do to just be here you've

132
00:06:55,169 --> 00:06:52,389
already done the Sydney Expo and I think

133
00:06:57,029 --> 00:06:55,179
next in a few weeks is the Perth Expo so

134
00:06:58,859 --> 00:06:57,039
you'll be there as well and I believe

135
00:07:00,569 --> 00:06:58,869
it's all at your own expense as well

136
00:07:01,709 --> 00:07:00,579
just to raise awareness about the

137
00:07:03,809 --> 00:07:01,719
importance of the third trimester

138
00:07:06,689 --> 00:07:03,819

booster and that it's now available for

139
00:07:09,119 --> 00:07:06,699
for women so and I had the pleasure

140
00:07:11,339 --> 00:07:09,129
yesterday of manning the store with you

141
00:07:12,929 --> 00:07:11,349
to be honest I was standing back quite a

142
00:07:15,600 --> 00:07:12,939
bit just staring at you with my mouth

143
00:07:19,679 --> 00:07:15,610
open I couldn't believe that you were so

144
00:07:22,649 --> 00:07:19,689
so so brave and so willing to share your

145
00:07:25,109 --> 00:07:22,659
story so soon after a little little

146
00:07:28,079 --> 00:07:25,119
Riley passed away and we're all right

147
00:07:29,999 --> 00:07:28,089
behind you obviously and we we so much

148
00:07:34,529 --> 00:07:30,009
appreciate what you've done you you are

149
00:07:37,139 --> 00:07:34,539
no doubt saving other babies lives so as

150
00:07:41,279 --> 00:07:37,149
well as that like for Riley is accepting

151
00:07:42,959 --> 00:07:41,289
donations how can people well first of

152
00:07:45,809 --> 00:07:42,969
all what is the charity you've chosen to

153
00:07:46,949 --> 00:07:45,819
donate to foot for like four I lee Riley

154
00:07:49,589 --> 00:07:46,959
passed away at Princess Margaret

155
00:07:52,319 --> 00:07:49,599
Hospital so he had wonderful care there

156
00:07:55,139 --> 00:07:52,329
from the doctors and the nurses so we

157
00:07:57,629 --> 00:07:55,149
decided to fundraise for the Princess

158
00:07:59,279 --> 00:07:57,639
Margaret Hospital Foundation and we had

159
00:08:01,619 --> 00:07:59,289
the opportunity to meet with researchers

160
00:08:04,439 --> 00:08:01,629
and decide where the money is going so

161
00:08:07,110 --> 00:08:04,449
so far we've raised about 65,000

162
00:08:08,820 --> 00:08:07,120
and we're funding a study that looks at

163
00:08:11,010 --> 00:08:08,830

antibodies that put us in the

164
00:08:13,260 --> 00:08:11,020
bloodstream and working out what makes

165
00:08:14,969 --> 00:08:13,270
somebody I mean and what makes somebody

166
00:08:17,249 --> 00:08:14,979
not I mean to potosi switch will

167
00:08:20,279 --> 00:08:17,259
hopefully mean better scheduling for the

168
00:08:22,980 --> 00:08:20,289
for the boosters it sounds like an

169
00:08:24,899 --> 00:08:22,990
excellent place where people can donate

170
00:08:27,239 --> 00:08:24,909
some money if if the listeners would

171
00:08:29,850 --> 00:08:27,249
like to donate to to that cause like for

172
00:08:31,649 --> 00:08:29,860
Riley how might they go about that if

173
00:08:33,839 --> 00:08:31,659
you hop on to our Facebook page which is

174
00:08:35,639 --> 00:08:33,849
facebook.com forward slash light for

175
00:08:38,699 --> 00:08:35,649
Riley will be a link there where you can

176
00:08:41,100 --> 00:08:38,709
make a donation thank you so much cat

177
00:08:47,550 --> 00:08:41,110
and good luck for today last day of the

178
00:08:49,650 --> 00:08:47,560
Brisbane Expo thank you and here i am

179
00:08:51,600 --> 00:08:49,660
with chris stevenson and we are at

180
00:08:54,540 --> 00:08:51,610
brisbane skeptic camp how are you Chris

181
00:08:57,210 --> 00:08:54,550
I'm really excited i love skeptic camp

182
00:09:00,210 --> 00:08:57,220
yes so do i and it was a great event

183
00:09:02,490 --> 00:09:00,220
last year at the same location the

184
00:09:04,980 --> 00:09:02,500
brisbane what are we in though Hamilton

185
00:09:07,259 --> 00:09:04,990
Hamilton Town Hall it's a good location

186
00:09:11,150 --> 00:09:07,269
and it looks like it's going to be a

187
00:09:14,160 --> 00:09:11,160
good turnout for it too now Chris you

188
00:09:17,220 --> 00:09:14,170

well you haven't actually done the

189
00:09:20,220 --> 00:09:17,230
announcement yet but and hence we're in

190
00:09:22,319 --> 00:09:20,230
this nice nice little office away from

191
00:09:25,559 --> 00:09:22,329
everybody we're actually in the disabled

192
00:09:28,730 --> 00:09:25,569
lose here so that no one can overhear us

193
00:09:32,220 --> 00:09:28,740
speaking only here for the acoustics

194
00:09:33,360 --> 00:09:32,230
pretty good acoustics too so can you

195
00:09:34,710 --> 00:09:33,370
tell us a little bit about this

196
00:09:37,319 --> 00:09:34,720
announcement that you're going to be

197
00:09:40,350 --> 00:09:37,329
making tonight yes I'm look I'm really

198
00:09:42,360 --> 00:09:40,360
excited about this we've been working on

199
00:09:45,720 --> 00:09:42,370
a project for the last few weeks at

200
00:09:47,850 --> 00:09:45,730
getting various secular and atheist and

201
00:09:51,240 --> 00:09:47,860
skeptical communities together on a

202
00:09:54,150 --> 00:09:51,250
project that is really going to

203
00:09:56,550 --> 00:09:54,160
hopefully save someone's life there's a

204
00:09:59,449 --> 00:09:56,560
lot of talk in the Christian community

205
00:10:03,240 --> 00:09:59,459
about how people without religion

206
00:10:07,199 --> 00:10:03,250
unethical immoral less charitable and we

207
00:10:10,379 --> 00:10:07,209
know that's not true we have a member of

208
00:10:12,300 --> 00:10:10,389
our humanist atheists skeptical

209
00:10:15,240 --> 00:10:12,310
community here in Queensland called Jody

210
00:10:17,280 --> 00:10:15,250
Matthews Jody was a founding

211
00:10:19,140 --> 00:10:17,290
member of the Sunshine Coast atheists

212
00:10:21,990 --> 00:10:19,150
and she helped with the editing of

213
00:10:25,020 --> 00:10:22,000

Warren bonnets Australian book of

214
00:10:27,780 --> 00:10:25,030
atheism she and her husband adam are

215
00:10:29,430 --> 00:10:27,790
both active engaged members of The

216
00:10:33,150 --> 00:10:29,440
Skeptical humanists and atheists

217
00:10:35,820 --> 00:10:33,160
communities here in Queensland and Adam

218
00:10:38,280 --> 00:10:35,830
himself is a cancer survivor he had

219
00:10:42,780 --> 00:10:38,290
cancer for 13 years before going into

220
00:10:47,130 --> 00:10:42,790
remission 10 years ago Jodi's just 46

221
00:10:49,710 --> 00:10:47,140
years old and she has stage 4 B cervical

222
00:10:54,420 --> 00:10:49,720
cancer and its spreading to her other

223
00:10:59,190 --> 00:10:54,430
organs and its really it's as Heidi it's

224
00:11:02,280 --> 00:10:59,200
as bad as it gets the good news is that

225
00:11:06,240 --> 00:11:02,290
there is some hope there are two drugs

226
00:11:08,730 --> 00:11:06,250
that offer a really good chance for Jodi

227
00:11:13,080 --> 00:11:08,740
to extend and possibly even save her

228
00:11:15,240 --> 00:11:13,090
life the first one is called avastin but

229
00:11:17,850 --> 00:11:15,250
its twenty thousand dollars of course

230
00:11:20,210 --> 00:11:17,860
it's not covered on the public benefits

231
00:11:23,579 --> 00:11:20,220
on the pharmaceutical Benefits Scheme

232
00:11:29,370 --> 00:11:23,589
the second is a drug called no volume

233
00:11:32,460 --> 00:11:29,380
amp and that is only available if Jodi

234
00:11:34,620 --> 00:11:32,470
can get on to a drug trial run by Yale

235
00:11:37,620 --> 00:11:34,630
University Medical School in the United

236
00:11:40,829 --> 00:11:37,630
States if she wanted to buy that drug

237
00:11:43,890 --> 00:11:40,839
it's about a hundred thousand dollars so

238
00:11:48,900 --> 00:11:43,900

even if we can get Jodi on to that trial

239
00:11:51,180 --> 00:11:48,910
she can't afford to go to the states so

240
00:11:54,930 --> 00:11:51,190
they need somewhere between forty and

241
00:11:56,820 --> 00:11:54,940
eighty thousand dollars and I think that

242
00:12:00,510 --> 00:11:56,830
we can raise it for them so tonight

243
00:12:03,480 --> 00:12:00,520
we're announcing the Jodi Matthews

244
00:12:06,780 --> 00:12:03,490
cancer and family appeal we have a

245
00:12:11,550 --> 00:12:06,790
website Jodi Matthews appeal com that's

246
00:12:13,020 --> 00:12:11,560
Jo de Matthews appeal calm and if you go

247
00:12:15,570 --> 00:12:13,030
to the website you can read all about

248
00:12:17,610 --> 00:12:15,580
the Matthews story and their incredible

249
00:12:21,630 --> 00:12:17,620
fight against cancer three members of

250
00:12:23,900 --> 00:12:21,640
the family all strucken by cancer and I

251
00:12:26,480 --> 00:12:23,910
think that we can get together and

252
00:12:29,800 --> 00:12:26,490
and if you can't donate promote the site

253
00:12:32,870 --> 00:12:29,810
and let's get our networking power going

254
00:12:35,660 --> 00:12:32,880
yeah it sounds like a very very worthy

255
00:12:37,730 --> 00:12:35,670
cause and and and for one of our own as

256
00:12:41,080 --> 00:12:37,740
well an active active members of the

257
00:12:44,120 --> 00:12:41,090
skeptical and atheist community and I

258
00:12:47,620 --> 00:12:44,130
guess as well it's it's heartening that

259
00:12:49,730 --> 00:12:47,630
people are not always looking for

260
00:12:51,560 --> 00:12:49,740
alternative treatments when it comes to

261
00:12:54,530 --> 00:12:51,570
cancer as we've seen so often in the

262
00:12:57,200 --> 00:12:54,540
past with them with people promoting all

263
00:12:59,150 --> 00:12:57,210

sorts of quack cures and this family

264
00:13:02,870 --> 00:12:59,160
this couple obviously realizes that

265
00:13:04,700 --> 00:13:02,880
modern medicine is the way to go and

266
00:13:07,040 --> 00:13:04,710
this is something that we can all do to

267
00:13:09,230 --> 00:13:07,050
back them up and and support them in

268
00:13:12,500 --> 00:13:09,240
getting the best available treatment for

269
00:13:14,150 --> 00:13:12,510
her so thank you Chris and again if

270
00:13:17,510 --> 00:13:14,160
people would like to donate to this very

271
00:13:21,770 --> 00:13:17,520
worthy cause it's it's the Jodi Matthews

272
00:13:23,900 --> 00:13:21,780
appeal jo de Matthews appeal com or you

273
00:13:26,030 --> 00:13:23,910
can look for Jody Matthews cancer and

274
00:13:30,620 --> 00:13:26,040
family appeal on facebook and please

275
00:13:33,160 --> 00:13:30,630
like us very good and Chris enjoy skepta

276
00:13:35,480 --> 00:13:33,170
camp today and we'll catch up later

277
00:13:49,160 --> 00:13:35,490
thanks Heidi really looking forward to

278
00:13:51,080 --> 00:13:49,170
it on Manor com do you let's place Tim

279
00:13:53,720 --> 00:13:51,090
Ferguson right now in history as it's

280
00:13:58,390 --> 00:13:53,730
time for Tim's historical hypothetical

281
00:14:02,080 --> 00:14:00,220
I don't know what's going to happen I

282
00:14:06,160 --> 00:14:02,090
never know with a hypothetical bring it

283
00:14:11,230 --> 00:14:06,170
on the year is 1928 oh it's a

284
00:14:15,010 --> 00:14:11,240
hypothetical you are Fleming Alexander

285
00:14:17,740 --> 00:14:15,020
Fleming aah who's that you go into your

286
00:14:20,680 --> 00:14:17,750
lab it's not in 28 and you're going into

287
00:14:22,540 --> 00:14:20,690
your lab but your labs often a jumble

288
00:14:24,160 --> 00:14:22,550

and you've got a few petri dishes you've

289
00:14:26,620 --> 00:14:24,170
been doing a few experiments on and you

290
00:14:28,360 --> 00:14:26,630
doing a bit of a cleanup things are a

291
00:14:29,920 --> 00:14:28,370
bit messy in there you feel ABS a bit of

292
00:14:32,470 --> 00:14:29,930
a jumble you're straightening up a pile

293
00:14:33,970 --> 00:14:32,480
of petri dishes one morning where you've

294
00:14:35,740 --> 00:14:33,980
been growing some bacteria which is

295
00:14:37,810 --> 00:14:35,750
piled up on the sink you open up each

296
00:14:40,090 --> 00:14:37,820
one and you examine it before tossing it

297
00:14:41,470 --> 00:14:40,100
into the cleaning solution and just as

298
00:14:43,780 --> 00:14:41,480
you're about to toss one of them is the

299
00:14:47,260 --> 00:14:43,790
cleaning solution one of them makes you

300
00:14:50,250 --> 00:14:47,270
stop and say that's funny there's mold

301
00:14:53,800 --> 00:14:50,260
growing on one of these dishes Fleming

302
00:14:57,700 --> 00:14:53,810
Alexander Fleming what do you do well I

303
00:15:00,990 --> 00:14:57,710
use this information to commence what

304
00:15:04,630 --> 00:15:01,000
could only be described as the greatest

305
00:15:07,600 --> 00:15:04,640
hoodwinking of the entire planet by

306
00:15:09,810 --> 00:15:07,610
suggesting that by growing this

307
00:15:13,150 --> 00:15:09,820
particular well let's call it what it is

308
00:15:16,480 --> 00:15:13,160
penicillin that I will somehow cause

309
00:15:19,150 --> 00:15:16,490
healing in the world when really as any

310
00:15:21,640 --> 00:15:19,160
dingbat stumbling down the street and

311
00:15:25,270 --> 00:15:21,650
Byron Bay will tell you it was from the

312
00:15:29,050 --> 00:15:25,280
very beginning a gigantic conspiracy out

313
00:15:31,090 --> 00:15:29,060

of which I and many many many big

314
00:15:32,920 --> 00:15:31,100
companies have made trillions of dollars

315
00:15:35,260 --> 00:15:32,930
so you're saying the whole things are

316
00:15:37,240 --> 00:15:35,270
fast often the very beginning the whole

317
00:15:39,550 --> 00:15:37,250
idea that you could give people a

318
00:15:41,850 --> 00:15:39,560
vaccine and somehow cure them was

319
00:15:46,330 --> 00:15:41,860
already bumpkin I mean I know that since

320
00:15:48,340 --> 00:15:46,340
1928 the life expectancy of most people

321
00:15:51,940 --> 00:15:48,350
on the planet has doubled but that's

322
00:15:54,070 --> 00:15:51,950
simply because of the hair care products

323
00:15:55,990 --> 00:15:54,080
so you're suggesting that the action of

324
00:15:58,630 --> 00:15:56,000
penicillin not item is completely

325
00:16:00,190 --> 00:15:58,640
placebo Tim Oh completely vers Libre

326
00:16:02,710 --> 00:16:00,200
it's not really working anybody who's

327
00:16:05,350 --> 00:16:02,720
ever had an antibiotic will be able to

328
00:16:08,280 --> 00:16:05,360
tell you didn't work yes I got a better

329
00:16:09,960 --> 00:16:08,290
in inverted commas but what is that

330
00:16:13,069 --> 00:16:09,970
thing did you actually become a better

331
00:16:15,329 --> 00:16:13,079
person I don't think so you're right

332
00:16:17,220 --> 00:16:15,339
what can that mean that's Tim's

333
00:16:20,960 --> 00:16:17,230
historical hypothetical where you learn

334
00:16:24,720 --> 00:16:20,970
something maybe not just one last word

335
00:16:30,920 --> 00:16:24,730
and by the way please vaccinate if

336
00:16:43,769 --> 00:16:41,430
on Maynard calm day you in 2014 and as

337
00:16:45,620 --> 00:16:43,779
covered on the skeptic zone it was my

338
00:16:48,900 --> 00:16:45,630

great pleasure to speak at the

339
00:16:52,230 --> 00:16:48,910
Australian paranormal and spiritual Expo

340
00:16:54,660 --> 00:16:52,240
at the casual of powerhouse I'll be

341
00:16:57,449 --> 00:16:54,670
there again this year in a couple of

342
00:16:59,189 --> 00:16:57,459
months more news about that soon but

343
00:17:03,329 --> 00:16:59,199
while I was there last year I was

344
00:17:07,049 --> 00:17:03,339
interviewed by the psychic reporter www

345
00:17:10,220 --> 00:17:07,059
psychic reported calm now this is a

346
00:17:14,130 --> 00:17:10,230
website as you might imagine normally

347
00:17:16,199 --> 00:17:14,140
interviews so-called psychics well I was

348
00:17:18,750 --> 00:17:16,209
very pleased they interviewed me to let

349
00:17:20,939 --> 00:17:18,760
me put my point of view here are those

350
00:17:22,110 --> 00:17:20,949
interviews but if you feel so inclined

351
00:17:23,939 --> 00:17:22,120
you can also check out some of the

352
00:17:26,490 --> 00:17:23,949
interviews or so-called psychics at

353
00:17:33,990 --> 00:17:26,500
psychic reporter calm you might find

354
00:17:39,850 --> 00:17:38,500
hi Richard what's a skeptic skeptics a

355
00:17:41,590 --> 00:17:39,860
lot of people think of skeptic as

356
00:17:44,080 --> 00:17:41,600
somebody who won't believe something

357
00:17:46,240 --> 00:17:44,090
who's made up their mind and is out to

358
00:17:47,770 --> 00:17:46,250
prove that there are no such things as

359
00:17:49,900 --> 00:17:47,780
ghosts or psychics and things like that

360
00:17:52,270 --> 00:17:49,910
that's the cartoon version of a skeptic

361
00:17:55,060 --> 00:17:52,280
where I come from being a skeptic is

362
00:17:57,100 --> 00:17:55,070
I'll freely admit I don't think they're

363
00:18:00,340 --> 00:17:57,110

ago so I don't think people can talk to

364
00:18:01,930 --> 00:18:00,350
dead people but I am ultimately willing

365
00:18:04,540 --> 00:18:01,940
to change my mind if enough what

366
00:18:06,160 --> 00:18:04,550
evidence comes along and that's that's

367
00:18:07,990 --> 00:18:06,170
the big thing a lot of people don't

368
00:18:11,260 --> 00:18:08,000
understand we will change our mind sites

369
00:18:13,300 --> 00:18:11,270
changes its mind every day upon getting

370
00:18:17,320 --> 00:18:13,310
new information so that's what I try to

371
00:18:20,890 --> 00:18:17,330
do yeah Richard regarding a skeptic

372
00:18:26,010 --> 00:18:20,900
right is that paranormal is that

373
00:18:29,050 --> 00:18:26,020
psychics included ghosts divining

374
00:18:31,980 --> 00:18:29,060
entities the whole whole whole kitten

375
00:18:34,900 --> 00:18:31,990
kaboodle basically any claim that

376
00:18:36,790 --> 00:18:34,910
contradicts the current understanding of

377
00:18:38,500 --> 00:18:36,800
the laws of physics and all those claims

378
00:18:40,120 --> 00:18:38,510
contradict the current understanding of

379
00:18:42,430 --> 00:18:40,130
the laws of physics the laws of physics

380
00:18:45,430 --> 00:18:42,440
are very well understood their robust

381
00:18:47,170 --> 00:18:45,440
they survive repeated testing they

382
00:18:49,450 --> 00:18:47,180
tweaked every now and then when we

383
00:18:52,990 --> 00:18:49,460
discover something new we might say well

384
00:18:56,650 --> 00:18:53,000
in this case this is a new information

385
00:18:59,080 --> 00:18:56,660
to science or fix this so all those

386
00:19:02,440 --> 00:18:59,090
claims basically fly in the face of the

387
00:19:04,810 --> 00:19:02,450
polymer surfaces okay and so Richard

388
00:19:07,510 --> 00:19:04,820

when when we talk about skeptics what do

389
00:19:09,520 --> 00:19:07,520
you think the average person thinks is

390
00:19:11,200 --> 00:19:09,530
escaping the average person will

391
00:19:14,220 --> 00:19:11,210
consider a skeptic to be somebody whose

392
00:19:16,720 --> 00:19:14,230
mind is made up a close-minded

393
00:19:18,760 --> 00:19:16,730
commercial fool somebody who won't

394
00:19:21,430 --> 00:19:18,770
accept something out of their comfort

395
00:19:24,220 --> 00:19:21,440
zone who's sits in that chair there

396
00:19:25,930 --> 00:19:24,230
armchair whatever it is and I've met

397
00:19:27,280 --> 00:19:25,940
some people like that but we don't call

398
00:19:30,250 --> 00:19:27,290
those people skeptics we call them

399
00:19:31,110 --> 00:19:30,260
believers so Richard when you see

400
00:19:33,240 --> 00:19:31,120
something

401
00:19:35,490 --> 00:19:33,250
how is your mind is your mind neutral

402
00:19:39,270 --> 00:19:35,500
when you go in or are you looking i know

403
00:19:41,280 --> 00:19:39,280
this couldn't be true well ideally it

404
00:19:44,760 --> 00:19:41,290
would be neutral but i'm human i have

405
00:19:47,460 --> 00:19:44,770
preconceptions if i go into somebody's

406
00:19:50,340 --> 00:19:47,470
so they talk to the dead and i'm going

407
00:19:51,990 --> 00:19:50,350
in of course my preconception is i don't

408
00:19:54,200 --> 00:19:52,000
think they can talk with the dead I

409
00:19:57,000 --> 00:19:54,210
can't go in with a purely open mind I

410
00:20:00,690 --> 00:19:57,010
will go in and give them a fair go I'll

411
00:20:02,580 --> 00:20:00,700
give them a fair opportunity to

412
00:20:04,440 --> 00:20:02,590
demonstrate talking to the dead water

413
00:20:06,840 --> 00:20:04,450

divining clairvoyance whatever they want

414
00:20:09,570 --> 00:20:06,850
to to show but after all these years of

415
00:20:11,520 --> 00:20:09,580
investigation and testing and nobody has

416
00:20:13,590 --> 00:20:11,530
yet come up to the mark I have naturally

417
00:20:16,290 --> 00:20:13,600
have preconceptions how long have you

418
00:20:18,030 --> 00:20:16,300
been a skeptic for oh well officially

419
00:20:20,700 --> 00:20:18,040
about 13 or 14 years with the

420
00:20:22,740 --> 00:20:20,710
organization but trailing back some

421
00:20:24,930 --> 00:20:22,750
years into my 20s before then just being

422
00:20:27,120 --> 00:20:24,940
interested in paranormal and UFOs and

423
00:20:29,340 --> 00:20:27,130
things like that and slowly coming to

424
00:20:31,260 --> 00:20:29,350
the point of view of well if they're

425
00:20:32,970 --> 00:20:31,270
real they should be every day they

426
00:20:34,560 --> 00:20:32,980
should be known they should be there

427
00:20:37,440 --> 00:20:34,570
should be lots of evidence for if it's

428
00:20:38,940 --> 00:20:37,450
real why isn't there overwhelming

429
00:20:42,780 --> 00:20:38,950
evidence for talking to the dead why is

430
00:20:44,100 --> 00:20:42,790
it that it doesn't stand up to testing

431
00:20:46,919 --> 00:20:44,110
there must be a reason for that that's

432
00:20:51,360 --> 00:20:46,929
why I became skeptical so it's so

433
00:20:53,940 --> 00:20:51,370
Richard when you see a psychic and maybe

434
00:20:55,590 --> 00:20:53,950
they're a bit unique what are your

435
00:20:59,190 --> 00:20:55,600
thoughts that there's some things that

436
00:21:01,140 --> 00:20:59,200
you can't explain some of course that's

437
00:21:03,030 --> 00:21:01,150
if I could explain everything I would be

438
00:21:04,830 --> 00:21:03,040

a god of course are things I can't

439
00:21:08,100 --> 00:21:04,840
explain but the important thing to

440
00:21:11,250 --> 00:21:08,110
remember is things are unexplained but

441
00:21:15,000 --> 00:21:11,260
not unexplainable or things haven't been

442
00:21:17,640 --> 00:21:15,010
explained yet and that's what science is

443
00:21:19,290 --> 00:21:17,650
all about science loves mysteries can't

444
00:21:20,669 --> 00:21:19,300
explain it well that's investigate it

445
00:21:23,960 --> 00:21:20,679
let's get to the root cause of this

446
00:21:26,250 --> 00:21:23,970
what's really going on to date i've been

447
00:21:28,530 --> 00:21:26,260
incredibly disappointed with every

448
00:21:30,990 --> 00:21:28,540
psychic I've ever seen in any context

449
00:21:32,310 --> 00:21:31,000
because I know the psychological

450
00:21:34,230 --> 00:21:32,320
interplay of cold reading and I know

451
00:21:37,350 --> 00:21:34,240
when there's even hot reading involved

452
00:21:42,680 --> 00:21:37,360
so far no one's been able to impress me

453
00:21:46,860 --> 00:21:45,539
that's a good question I don't know what

454
00:21:48,690 --> 00:21:46,870
you should look forward to talking about

455
00:21:52,200 --> 00:21:48,700
what you should absolutely do is make a

456
00:21:54,930 --> 00:21:52,210
recording an audio recording most phones

457
00:21:57,510 --> 00:21:54,940
smartphones can record things now record

458
00:22:01,230 --> 00:21:57,520
the session go home wait a couple of

459
00:22:03,180 --> 00:22:01,240
days write down what you remember then

460
00:22:05,789 --> 00:22:03,190
listen to the recording back and make a

461
00:22:09,330 --> 00:22:05,799
note of all the times you are asked

462
00:22:10,169 --> 00:22:09,340
questions and you might be surprised so

463
00:22:12,500 --> 00:22:10,179

that's that would be right

464
00:22:14,430 --> 00:22:12,510
recommendation so when you say a

465
00:22:16,890 --> 00:22:14,440
question it could also be a statement

466
00:22:18,840 --> 00:22:16,900
couldn't yeah well a statement can turn

467
00:22:20,549 --> 00:22:18,850
into a question or it can be cleverly

468
00:22:22,470 --> 00:22:20,559
disguised as a question but these there

469
00:22:24,539 --> 00:22:22,480
are lots of statements and people will

470
00:22:26,370 --> 00:22:24,549
remember the things that hit they can

471
00:22:27,990 --> 00:22:26,380
connect with and we'll forget all the

472
00:22:29,909 --> 00:22:28,000
things that they don't connect with or

473
00:22:31,830 --> 00:22:29,919
the vast majority of them so if I say

474
00:22:34,140 --> 00:22:31,840
and who had the little dog this little

475
00:22:36,180 --> 00:22:34,150
dog no no no okay but this person with

476
00:22:39,419 --> 00:22:36,190
the piano all right little dog went

477
00:22:41,460 --> 00:22:39,429
nowhere later on the person will simply

478
00:22:44,549 --> 00:22:41,470
forget the digital dog was mentioned at

479
00:22:50,960 --> 00:22:44,559
all we've seen it again again again it's

480
00:23:05,230 --> 00:22:54,230
thank you to psychic reported calm for

481
00:23:12,860 --> 00:23:09,530
the cosmos is amazing world famous

482
00:23:15,490 --> 00:23:12,870
astrophysicist dr. Neil deGrasse Tyson

483
00:23:18,200 --> 00:23:15,500
is touring Australia this August

484
00:23:20,300 --> 00:23:18,210
inspirational smart and funny he'll take

485
00:23:22,520 --> 00:23:20,310
you on his personal tour of the universe

486
00:23:25,880 --> 00:23:22,530
there are still more questions to be

487
00:23:28,580 --> 00:23:25,890
explored Melbourne Brisbane sydney and

488
00:23:30,400 --> 00:23:28,590

canberra marks the date in your cosmic

489
00:23:33,320 --> 00:23:30,410
calendar for this once-in-a-lifetime

490
00:23:41,360 --> 00:23:33,330
experience tickets on sale now are

491
00:23:43,610 --> 00:23:41,370
thinking to Aldo de you welcome to a

492
00:23:46,820 --> 00:23:43,620
week in science from arias bringing you

493
00:23:51,290 --> 00:23:46,830
the science you need to know does this

494
00:23:53,840 --> 00:23:51,300
sound familiar why is it that some of us

495
00:23:56,410 --> 00:23:53,850
roll over to sneak a peek at the alarm

496
00:23:59,120 --> 00:23:56,420
clock only to find it's about to go off

497
00:24:07,250 --> 00:23:59,130
why do some of us have this uncanny

498
00:24:10,010 --> 00:24:07,260
ability it all boils down to your body

499
00:24:12,440 --> 00:24:10,020
wanting to be cruel to be kind it's

500
00:24:15,440 --> 00:24:12,450
better to wake yourself up than to be

501
00:24:17,720 --> 00:24:15,450
jarred awake by an alarm clock how does

502
00:24:19,820 --> 00:24:17,730
that work the cluster of nerves that

503
00:24:22,730 --> 00:24:19,830
controls your body clock is called the

504
00:24:25,880 --> 00:24:22,740
suprachiasmatic nucleus and it's located

505
00:24:29,150 --> 00:24:25,890
in the hypothalamus it responds to a

506
00:24:31,790 --> 00:24:29,160
wide range of stimuli like darkness to

507
00:24:34,070 --> 00:24:31,800
release hormones like melatonin to tell

508
00:24:36,200 --> 00:24:34,080
your body to wind down and make you

509
00:24:39,080 --> 00:24:36,210
sleepy when you fall asleep you

510
00:24:41,300 --> 00:24:39,090
experience sleep cycles of roughly 90

511
00:24:44,720 --> 00:24:41,310
minutes with several stages including

512
00:24:47,450 --> 00:24:44,730
rapid eye movement or REM sleep which is

513
00:24:49,610 --> 00:24:47,460

when you dream about an hour before you

514
00:24:51,950 --> 00:24:49,620
wake up body temperature and blood

515
00:24:55,340 --> 00:24:51,960
pressure rise and your brain releases

516
00:24:57,830 --> 00:24:55,350
the protein PE R which then releases

517
00:25:00,260 --> 00:24:57,840
stress hormones this might sound like a

518
00:25:03,760 --> 00:25:00,270
bad thing but it just makes your sleep

519
00:25:09,250 --> 00:25:07,210
there are two reasons why PR should

520
00:25:12,430 --> 00:25:09,260
start being released around about that

521
00:25:15,040 --> 00:25:12,440
time you are either very regular in your

522
00:25:17,500 --> 00:25:15,050
sleep schedule or you have an unusually

523
00:25:19,900 --> 00:25:17,510
early start coming up research has

524
00:25:22,720 --> 00:25:19,910
proved this in a sleep study by telling

525
00:25:25,450 --> 00:25:22,730
some subjects they'll be woken up at 6am

526
00:25:28,150 --> 00:25:25,460
and others that they'll be woken up at

527
00:25:31,660 --> 00:25:28,160
nine they then woke everybody up at six

528
00:25:34,660 --> 00:25:31,670
the ones who are expecting a 9am wake up

529
00:25:37,330 --> 00:25:34,670
work groggy while those expecting a 6am

530
00:25:40,570 --> 00:25:37,340
start had higher levels of stress

531
00:25:42,750 --> 00:25:40,580
hormones but why do we wake up precisely

532
00:25:45,520 --> 00:25:42,760
as the alarm clock is about to go off

533
00:25:48,900 --> 00:25:45,530
that's still a bit of a mystery here's

534
00:25:51,580 --> 00:25:48,910
four fast facts about your body clock

535
00:25:55,030 --> 00:25:51,590
your body clock is more technically

536
00:25:57,690 --> 00:25:55,040
known as your circadian rhythm animals

537
00:26:00,580 --> 00:25:57,700
and even plants have circadian rhythms

538
00:26:04,000 --> 00:26:00,590

altering your body clock like when you

539
00:26:06,100 --> 00:26:04,010
have jet lag is called entrainment your

540
00:26:07,870 --> 00:26:06,110
body temperature is lowest in the

541
00:26:11,140 --> 00:26:07,880
morning just before you wake up and

542
00:26:12,910 --> 00:26:11,150
highest in the late afternoon that's it

543
00:26:15,280 --> 00:26:12,920
for this a week in science for more

544
00:26:18,030 --> 00:26:15,290
information on circadian rhythms in your

545
00:26:22,870 --> 00:26:18,040
body clock cut the our oils website RI

546
00:26:25,870 --> 00:26:22,880
aus ok you follow us on twitter at arias

547
00:26:46,740 --> 00:26:25,880
and like us on facebook i'm paul willis

548
00:26:51,840 --> 00:26:49,450
2009 was the international year of

549
00:26:55,740 --> 00:26:51,850
astronomy I was very pleased to

550
00:27:00,010 --> 00:26:55,750
contribute to the 365 days of astronomy

551
00:27:01,630 --> 00:27:00,020
podcast as a coincidence that year I was

552
00:27:05,050 --> 00:27:01,640
asked to appear on the Sun Rise Program

553
00:27:08,560 --> 00:27:05,060
in Australia sunrise morning TV program

554
00:27:12,190 --> 00:27:08,570
to debate astronomy I went to the TV

555
00:27:14,620 --> 00:27:12,200
studio and was seated in a honey area up

556
00:27:17,290 --> 00:27:14,630
near the control room I'm not sure why

557
00:27:20,860 --> 00:27:17,300
below me in the studio was the host

558
00:27:26,260 --> 00:27:20,870
David caution and somewhere else by a

559
00:27:28,600 --> 00:27:26,270
video was astrologer and psychic Milton

560
00:27:31,690 --> 00:27:28,610
black now I've had a lot of requests to

561
00:27:33,370 --> 00:27:31,700
play this clip on the podcast although

562
00:27:36,040 --> 00:27:33,380
it's available on youtube if you just

563
00:27:38,560 --> 00:27:36,050

Google Richard Saunders talks astrology

564
00:27:42,370 --> 00:27:38,570
you should be able to find the clip but

565
00:27:44,410 --> 00:27:42,380
this is an occasion where I knew who I'd

566
00:27:48,640 --> 00:27:44,420
be talking with or debating if you'd

567
00:27:52,960 --> 00:27:48,650
like and I prepared anyway this was the

568
00:27:57,230 --> 00:27:55,280
20 minutes a nine o'clock well plenty of

569
00:27:58,940 --> 00:27:57,240
people check their horoscope each day

570
00:28:01,580 --> 00:27:58,950
while for some it's just a bit of fun

571
00:28:04,280 --> 00:28:01,590
others plan their lives by it but is

572
00:28:06,470 --> 00:28:04,290
there any truth to astrology and Our

573
00:28:08,660 --> 00:28:06,480
Stars i'm joined by lady astrologer

574
00:28:10,910 --> 00:28:08,670
milton black and Richard Saunders from

575
00:28:14,420 --> 00:28:10,920
Australian skeptics good morning to you

576
00:28:16,040 --> 00:28:14,430
both down Milton Milton astrology began

577
00:28:17,840 --> 00:28:16,050
thousands of years ago when people

578
00:28:20,300 --> 00:28:17,850
looked at the Stars but is there much

579
00:28:23,300 --> 00:28:20,310
truth to it that you can run your live

580
00:28:27,680 --> 00:28:23,310
piatt well you don't actually run your

581
00:28:30,650 --> 00:28:27,690
life by you actually look at it as a

582
00:28:32,660 --> 00:28:30,660
guide basically the planet's influence

583
00:28:35,270 --> 00:28:32,670
but they don't compel you to do things

584
00:28:37,250 --> 00:28:35,280
and all an astrologer is basically is a

585
00:28:38,810 --> 00:28:37,260
navigator it's like going to the sydney

586
00:28:40,700 --> 00:28:38,820
to hobart yacht race and have a gator

587
00:28:42,830 --> 00:28:40,710
says we turn right here we tack there we

588
00:28:45,020 --> 00:28:42,840

do this and an astrologist that's

589
00:28:47,720 --> 00:28:45,030
exactly the same in the sea of destiny

590
00:28:50,180 --> 00:28:47,730
ok but but that means there's a link

591
00:28:52,400 --> 00:28:50,190
between your life and the stars yes it

592
00:28:55,130 --> 00:28:52,410
is as far as astrologers are concerned

593
00:28:56,900 --> 00:28:55,140
there is it's it's not a mundane science

594
00:29:00,080 --> 00:28:56,910
like some skeptics think it is it's

595
00:29:02,690 --> 00:29:00,090
basically in that and what the astrology

596
00:29:04,910 --> 00:29:02,700
is doing is putting the the stars or the

597
00:29:06,470 --> 00:29:04,920
planners into a pattern in their destiny

598
00:29:08,000 --> 00:29:06,480
and interpreting them and giving them an

599
00:29:10,250 --> 00:29:08,010
idea of their going on the right

600
00:29:12,050 --> 00:29:10,260
direction or not all right rajendra moon

601
00:29:13,550 --> 00:29:12,060
affects the tides is there any

602
00:29:16,910 --> 00:29:13,560
possibility of the Stars and the planets

603
00:29:18,470 --> 00:29:16,920
could affect us to a new degree in fact

604
00:29:21,650 --> 00:29:18,480
the camera you're looking at right now

605
00:29:23,930 --> 00:29:21,660
has far greater effect on you in any

606
00:29:25,640 --> 00:29:23,940
physical sense than all the planets

607
00:29:28,130 --> 00:29:25,650
combined but it's interesting this is

608
00:29:30,350 --> 00:29:28,140
the international year of astronomy so

609
00:29:33,040 --> 00:29:30,360
Milton it's time to put down your

610
00:29:35,510 --> 00:29:33,050
horoscope and pick up your telescope

611
00:29:37,880 --> 00:29:35,520
astronomy is astronomy shows us the

612
00:29:41,210 --> 00:29:37,890
universe of wonder of beauty and

613
00:29:44,240 --> 00:29:41,220

excitement far greater than any psychic

614
00:29:46,540 --> 00:29:44,250
or astrology fantasy well Richard I'll

615
00:29:48,800 --> 00:29:46,550
just explain I think the astronomers

616
00:29:50,750 --> 00:29:48,810
sincerely because if it wasn't for their

617
00:29:52,100 --> 00:29:50,760
ephemeris is that they put out

618
00:29:54,620 --> 00:29:52,110
astrologers would be out of business

619
00:29:56,450 --> 00:29:54,630
it's as simple as now astrologers would

620
00:29:57,180 --> 00:29:56,460
keep going no matter what we call them

621
00:29:59,070 --> 00:29:57,190
out

622
00:30:00,960 --> 00:29:59,080
we've got to basically know where the

623
00:30:03,000 --> 00:30:00,970
planets are and it's the astronomers

624
00:30:04,950 --> 00:30:03,010
that actually put the ephemeris out and

625
00:30:07,380 --> 00:30:04,960
tell us what position that planet is in

626
00:30:09,480 --> 00:30:07,390
at that time and that's important

627
00:30:11,010 --> 00:30:09,490
because if we don't know that we can't

628
00:30:13,740 --> 00:30:11,020
predict oh yes you can you could just

629
00:30:16,940 --> 00:30:13,750
make it up as you go along I wish we

630
00:30:19,890 --> 00:30:16,950
could but hang on but milind some of the

631
00:30:21,420 --> 00:30:19,900
beer the astrology predictions that you

632
00:30:24,150 --> 00:30:21,430
read in the paper and magazines just

633
00:30:26,670 --> 00:30:24,160
seem so general I could apply to anyone

634
00:30:29,460 --> 00:30:26,680
yes I agree with you entirely on that

635
00:30:31,470 --> 00:30:29,470
caution because look the magazines in

636
00:30:34,110 --> 00:30:31,480
the the papers are basically an

637
00:30:36,030 --> 00:30:34,120
entertainment type of situation and give

638
00:30:38,250 --> 00:30:36,040

you a guide on the Sun science for the

639
00:30:40,410 --> 00:30:38,260
day or the week but you've got to go to

640
00:30:42,000 --> 00:30:40,420
a professional astrologist sit down work

641
00:30:43,680 --> 00:30:42,010
out the time about the place of birth

642
00:30:46,350 --> 00:30:43,690
longitude and latitude where that person

643
00:30:47,940 --> 00:30:46,360
was born then the astrology gets down to

644
00:30:50,730 --> 00:30:47,950
the nitty-gritty and can tell you all

645
00:30:53,370 --> 00:30:50,740
about just okay all right we put you to

646
00:30:56,610 --> 00:30:53,380
the test we've given you Richards chart

647
00:30:58,830 --> 00:30:56,620
all the details and tell us what does it

648
00:31:00,960 --> 00:30:58,840
show well actually you haven't given me

649
00:31:02,880 --> 00:31:00,970
Richards chap at all what you've given

650
00:31:05,340 --> 00:31:02,890
me is Matt and dr. Martin bridgfords

651
00:31:06,720 --> 00:31:05,350
chart and this is what i did with

652
00:31:09,900 --> 00:31:06,730
mountains so i'm going to tell you about

653
00:31:11,730 --> 00:31:09,910
matt not Richard well of course Milton

654
00:31:13,470 --> 00:31:11,740
what uses that I mean you can say

655
00:31:15,450 --> 00:31:13,480
anything you like and who's he's not

656
00:31:17,970 --> 00:31:15,460
correct you know I didn't get you see I

657
00:31:20,460 --> 00:31:17,980
spent all last night doing the birth

658
00:31:23,100 --> 00:31:20,470
date of mountains horoscope and of

659
00:31:26,640 --> 00:31:23,110
course I got his correct time his date

660
00:31:29,190 --> 00:31:26,650
of birth and everything Milton you're

661
00:31:31,290 --> 00:31:29,200
also billed as Astros lijing leading

662
00:31:35,100 --> 00:31:31,300
psychic didn't you know it would be me

663
00:31:36,720 --> 00:31:35,110

today no that's that's not true the

664
00:31:39,660 --> 00:31:36,730
thing is you always thought you're not

665
00:31:41,730 --> 00:31:39,670
really psychic it says that on the oil

666
00:31:43,320 --> 00:31:41,740
sauna larger more of an astrologer and

667
00:31:45,960 --> 00:31:43,330
psychic guy's face I suppose they put

668
00:31:49,410 --> 00:31:45,970
the two together okay go straight what's

669
00:31:51,090 --> 00:31:49,420
your birthday who is martyred dr. Martin

670
00:31:52,980 --> 00:31:51,100
bridge stock is a leading skeptic from

671
00:31:55,320 --> 00:31:52,990
Queensland but he's not here how can he

672
00:31:56,910 --> 00:31:55,330
possibly confirm or deny anything that

673
00:31:59,160 --> 00:31:56,920
Milton comes up with well that's the

674
00:32:00,840 --> 00:31:59,170
birthday dog was given and I thought he

675
00:32:02,130 --> 00:32:00,850
was gonna be on this morning so I'm

676
00:32:03,240 --> 00:32:02,140
sorry about that was what your birthday

677
00:32:06,870 --> 00:32:03,250
didn't yell let's take it from the time

678
00:32:09,340 --> 00:32:06,880
I my birth date is the 28th 1165 the

679
00:32:12,940 --> 00:32:09,350
28th the November that makes me a what

680
00:32:16,060 --> 00:32:12,950
okay or it makes you a Sagittarian no it

681
00:32:19,150 --> 00:32:16,070
doesn't Milton that we where her son was

682
00:32:22,060 --> 00:32:19,160
at the moment I was born the son is

683
00:32:24,370 --> 00:32:22,070
clearly in the sign of scorpio how can

684
00:32:26,260 --> 00:32:24,380
you get it that right no it's you're a

685
00:32:28,360 --> 00:32:26,270
Sagittarian now he's got Scorpio on the

686
00:32:29,770 --> 00:32:28,370
ascendant that's what you've got at born

687
00:32:31,870 --> 00:32:29,780
it's what four o'clock in the morning

688
00:32:33,310 --> 00:32:31,880

how did you know that because that's the

689
00:32:35,740 --> 00:32:33,320
information I gave to the producers

690
00:32:38,289 --> 00:32:35,750
aren't there you go on that they

691
00:32:39,549 --> 00:32:38,299
eventually what you see with what you

692
00:32:41,620 --> 00:32:39,559
see with Richard is not what you really

693
00:32:44,200 --> 00:32:41,630
get because deep down is quite a

694
00:32:46,990 --> 00:32:44,210
secretive type of us now as a kid as a

695
00:32:49,149 --> 00:32:47,000
kid he actually drove his teachers his

696
00:32:50,440 --> 00:32:49,159
parents everybody crazy and the reason

697
00:32:52,299 --> 00:32:50,450
for this is because he's got an

698
00:32:54,250 --> 00:32:52,309
inquisitive mind now he's a very

699
00:32:56,080 --> 00:32:54,260
nostalgic guy he lives in the past a

700
00:32:58,899 --> 00:32:56,090
little bit but the fact is that's fine

701
00:33:01,240 --> 00:32:58,909
but he's basically a guy that always

702
00:33:02,830 --> 00:33:01,250
wants know very very curious but the

703
00:33:05,890 --> 00:33:02,840
travelers he's always looking for

704
00:33:08,440 --> 00:33:05,900
fingers kashi now if I rest met Richard

705
00:33:09,909 --> 00:33:08,450
saying about six years up the track and

706
00:33:11,590 --> 00:33:09,919
said hi Richard how you going he said

707
00:33:13,120 --> 00:33:11,600
fine thanks Bill have you found what

708
00:33:14,260 --> 00:33:13,130
you're looking for you this is no but

709
00:33:16,360 --> 00:33:14,270
i'm still looking around the corner here

710
00:33:18,399 --> 00:33:16,370
because he's always looking for

711
00:33:20,440 --> 00:33:18,409
something new to do and i think

712
00:33:23,590 --> 00:33:20,450
basically on that date he's got a good

713
00:33:25,720 --> 00:33:23,600

horoscope hear that but Milton if you're

714
00:33:27,789 --> 00:33:25,730
such a good astrologer why are you using

715
00:33:29,710 --> 00:33:27,799
cold reading and Barnum statements I

716
00:33:31,419 --> 00:33:29,720
mean the only magician can do that we've

717
00:33:33,360 --> 00:33:31,429
got books to teach it how to do exactly

718
00:33:35,590 --> 00:33:33,370
the statements you've just told me now

719
00:33:37,419 --> 00:33:35,600
actually Richard barn when you're a

720
00:33:39,130 --> 00:33:37,429
professional like me 40 years in the

721
00:33:40,960 --> 00:33:39,140
business you can come to these

722
00:33:42,580 --> 00:33:40,970
situations all right see all right

723
00:33:44,890 --> 00:33:42,590
listen Newton I'm going to challenge you

724
00:33:46,930 --> 00:33:44,900
directly we can give you the birth dates

725
00:33:48,909 --> 00:33:46,940
of six people six people who believe in

726
00:33:50,350 --> 00:33:48,919
astrology and we can see how accurate

727
00:33:52,090 --> 00:33:50,360
you are will you take me up on that

728
00:33:53,710 --> 00:33:52,100
challenge oh not not this morning not

729
00:33:55,690 --> 00:33:53,720
right because I'd have to sit down and

730
00:33:58,060 --> 00:33:55,700
do that you know there's a future in the

731
00:33:59,649 --> 00:33:58,070
future I'd be very happy everything in

732
00:34:01,390 --> 00:33:59,659
the future I hope you will take that

733
00:34:04,539 --> 00:34:01,400
later in the week or next week and see

734
00:34:05,770 --> 00:34:04,549
how you go all right guys well we'll

735
00:34:07,029 --> 00:34:05,780
check back with you then thanks for

736
00:34:08,919 --> 00:34:07,039
joining us this morning so you're

737
00:34:11,590 --> 00:34:08,929
welcome if you'd like more information

738
00:34:13,690 --> 00:34:11,600

on Milton's astrology or Australian

739
00:34:16,750 --> 00:34:13,700
skeptics or who on earth Martin is

740
00:34:18,669 --> 00:34:16,760
details are on our website I'm just as

741
00:34:33,000 --> 00:34:18,679
confused after nine on the morning shout

742
00:34:39,190 --> 00:34:35,890
from The Skeptical Society of similar

743
00:34:41,710 --> 00:34:39,200
lists on Saturday August the 22nd The

744
00:34:44,050 --> 00:34:41,720
Skeptical Society of San Luis will be

745
00:34:47,130 --> 00:34:44,060
holding the region's third skeptic camp

746
00:34:50,380 --> 00:34:47,140
at the ethical Society starting at 9am

747
00:34:53,940 --> 00:34:50,390
this year's event includes presentations

748
00:34:57,600 --> 00:34:53,950
on topics as diverse as anti-vaccination

749
00:35:01,180 --> 00:34:57,610
creationism urology climate change

750
00:35:04,440 --> 00:35:01,190
financial scepticism child psychology

751
00:35:07,090 --> 00:35:04,450
the Fukushima disaster incorporating

752
00:35:09,730 --> 00:35:07,100
skepticism and critical thinking into

753
00:35:13,060 --> 00:35:09,740
the classroom the psychology of magic

754
00:35:17,280 --> 00:35:13,070
solar energy stuff your massage

755
00:35:21,430 --> 00:35:17,290
therapist tells you anthropology

756
00:35:23,170 --> 00:35:21,440
nonprofit myths and more we will also be

757
00:35:25,210 --> 00:35:23,180
presenting a screening of the

758
00:35:28,540 --> 00:35:25,220
vaccination chronicles by Richard

759
00:35:31,120 --> 00:35:28,550
Saunders well that's me pizza will be

760
00:35:33,190 --> 00:35:31,130
available oh I'll repeat that pizza will

761
00:35:35,470 --> 00:35:33,200
be available for lunch and there will be

762
00:35:38,350 --> 00:35:35,480
skeptics in the pub following the event

763
00:35:41,580 --> 00:35:38,360

a silent auction for a signed copy of

764
00:35:44,830 --> 00:35:41,590
bill Nyes latest book undeniable and

765
00:35:46,830 --> 00:35:44,840
skeptical / scientific jewelry from

766
00:35:49,150 --> 00:35:46,840
ceramics will be available for purchase

767
00:35:51,520 --> 00:35:49,160
the auction and a portion of the

768
00:35:53,890 --> 00:35:51,530
proceedings from the jewelry will help

769
00:35:56,590 --> 00:35:53,900
the skeptical Society of st. Louis

770
00:35:59,230 --> 00:35:56,600
continue to promote science and critical

771
00:36:03,010 --> 00:35:59,240
thinking in the San Luis community the

772
00:36:04,660 --> 00:36:03,020
event is free and open to the public you

773
00:36:09,370 --> 00:36:04,670
can find more information about the

774
00:36:13,560 --> 00:36:09,380
event at the website wwc a pedicle stl

775
00:36:16,570 --> 00:36:13,570
calm / skeptic camp or by searching for

776
00:36:18,760 --> 00:36:16,580
skeptical Society of San Luis on

777
00:36:21,460 --> 00:36:18,770
facebook or meet up let's go for a big

778
00:36:38,600 --> 00:36:21,470
turnout on Saturday the twenty-second of

779
00:36:43,890 --> 00:36:41,100
thank you for listening to the skeptic

780
00:36:47,490 --> 00:36:43,900
zone this week a little bit of a mix and

781
00:36:49,050 --> 00:36:47,500
match episode next week the skeptic zone

782
00:36:51,240 --> 00:36:49,060
will come to you from the amazing

783
00:36:53,490 --> 00:36:51,250
meeting or just after or just before

784
00:36:55,800 --> 00:36:53,500
depending on time zones I'm not sure how

785
00:36:58,920 --> 00:36:55,810
it works sometimes I hope to interview

786
00:37:02,100 --> 00:36:58,930
all sorts of people at the amazing

787
00:37:05,040 --> 00:37:02,110
meeting from delegates to special guests

788
00:37:07,110 --> 00:37:05,050

the scientists to who knows who knows

789
00:37:08,490 --> 00:37:07,120
it's always a surprise and again if

790
00:37:09,900 --> 00:37:08,500
you're at the amazing meeting please

791
00:37:12,930 --> 00:37:09,910
come up and say hello there'll be a

792
00:37:15,000 --> 00:37:12,940
skeptic zone table which I hope to be at

793
00:37:18,330 --> 00:37:15,010
for a lot of the time when i'm not busy

794
00:37:20,880 --> 00:37:18,340
doing panels or workshops or whatever

795
00:37:23,550 --> 00:37:20,890
else and there'll be other australian

796
00:37:27,180 --> 00:37:23,560
skeptics for you to meet as well looking

797
00:37:29,070 --> 00:37:27,190
forward to it as i do every year but for

798
00:37:36,030 --> 00:37:29,080
now this is Richard Saunders signing off

799
00:37:37,650 --> 00:37:36,040
from the Bay Area San Francisco you've

800
00:37:41,220 --> 00:37:37,660
been listening to the skeptic zone

801
00:37:44,130 --> 00:37:41,230
podcast because of our website at wwc a

802
00:37:47,580 --> 00:37:44,140
petting zoo TV for contacts an archive

803
00:37:50,280 --> 00:37:47,590
of all episodes since 2008 and our

804
00:37:52,190 --> 00:37:50,290
online store please support the skeptic

805
00:37:55,350 --> 00:37:52,200
zone by following us on twitter at

806
00:37:58,980 --> 00:37:55,360
skeptic zone liking us on facebook and

807
00:38:01,170 --> 00:37:58,990
leaving a review on iTunes you can also

808
00:38:04,340 --> 00:38:01,180
show your support by subscribing via

809
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