

1
00:00:05,980 --> 00:00:13,679
welcome to the skeptic zone the podcast

2
00:00:09,099 --> 00:00:13,679
from Australia for science and reason

3
00:00:22,399 --> 00:00:31,379
hello and welcome to the skeptic zone

4
00:00:25,189 --> 00:00:35,070
episode number 249 249 for the 28th of

5
00:00:31,379 --> 00:00:38,009
July 2013 Richard Saunders here with you

6
00:00:35,070 --> 00:00:40,079
back again back again in Sydney

7
00:00:38,009 --> 00:00:42,268
Australia and what a wonderful time I

8
00:00:40,079 --> 00:00:45,238
had visiting the United States

9
00:00:42,268 --> 00:00:49,049
especially visiting the amazing meeting

10
00:00:45,238 --> 00:00:51,649
in Las Vegas are a busy time to be sure

11
00:00:49,049 --> 00:00:53,909
but lots of fun and so interesting and

12
00:00:51,649 --> 00:00:57,420
thank you to all those people who came

13
00:00:53,909 --> 00:00:59,819
up to say hello all those skeptics own

14
00:00:57,420 --> 00:01:02,789
fans I am I was so pleased and touched

15
00:00:59,820 --> 00:01:07,049
to to meet you all it was really great

16
00:01:02,789 --> 00:01:09,689
and yes more than one person commented

17
00:01:07,049 --> 00:01:11,429
on the fact that at the beginning of

18
00:01:09,689 --> 00:01:14,340
every episode of the skeptic sounded and

19
00:01:11,430 --> 00:01:17,280
I'm always racing downstairs to grab

20
00:01:14,340 --> 00:01:19,549
something to eat or drink I'm not really

21
00:01:17,280 --> 00:01:22,049
sure why that started but you know what

22
00:01:19,549 --> 00:01:26,189
we'll see if we can continue that

23
00:01:22,049 --> 00:01:28,200
tradition life life is like a box of

24
00:01:26,189 --> 00:01:30,269
chocolates somebody once said and that's

25
00:01:28,200 --> 00:01:33,750
what the skeptic zone is like this

26
00:01:30,269 --> 00:01:36,090
episode it's a bit of a mixture a mixed

27
00:01:33,750 --> 00:01:37,739
bag you never know what you're going to

28
00:01:36,090 --> 00:01:39,239
get well I'll tell you I'll tell you

29

00:01:37,739 --> 00:01:41,219
what you're getting on this episode of

30
00:01:39,239 --> 00:01:44,009
the skeptics and we're kicking off with

31
00:01:41,219 --> 00:01:45,899
our favorite doctor rachy reports dr.

32
00:01:44,009 --> 00:01:48,390
Reggie reports looks at some of the

33
00:01:45,899 --> 00:01:51,569
ramifications of that TV report and her

34
00:01:48,390 --> 00:01:55,560
efforts to get chiropractors to answer a

35
00:01:51,569 --> 00:01:57,659
very very simple question that's coming

36
00:01:55,560 --> 00:02:00,689
up at the top of the show after that we

37
00:01:57,659 --> 00:02:04,409
have a an interview concerning getting

38
00:02:00,689 --> 00:02:07,409
more science into the mainstream media

39
00:02:04,409 --> 00:02:13,348
what a worthwhile endeavor from the

40
00:02:07,409 --> 00:02:15,180
website www and in science com will find

41
00:02:13,348 --> 00:02:16,738
more about the petition the petition

42
00:02:15,180 --> 00:02:19,170
running to get more science into the

43
00:02:16,739 --> 00:02:22,349

media an interview with Rowan from end

44

00:02:19,169 --> 00:02:24,719

in science coming up a little bit later

45

00:02:22,348 --> 00:02:26,609

in the show and after that it's our good

46

00:02:24,719 --> 00:02:28,889

friend dr. Paul Willis from the Royal

47

00:02:26,610 --> 00:02:30,420

Institution of Australia with the

48

00:02:28,889 --> 00:02:32,339

fill-in segment all about what's

49

00:02:30,419 --> 00:02:34,559

happening in the world of science at the

50

00:02:32,340 --> 00:02:36,090

moment and the good

51

00:02:34,560 --> 00:02:37,739

news is what the better news because

52

00:02:36,090 --> 00:02:40,409

it's always good to have falls on the

53

00:02:37,739 --> 00:02:43,050

show the better news is of course next

54

00:02:40,409 --> 00:02:46,650

week the full blown week in science

55

00:02:43,050 --> 00:02:49,530

returns as if that wasn't enough folks

56

00:02:46,650 --> 00:02:52,670

as if that wasn't enough after that we

57

00:02:49,530 --> 00:02:55,979

have an interview with Ben Radford the

58
00:02:52,669 --> 00:02:57,598
paranormal investigator and joining been

59
00:02:55,979 --> 00:02:59,869
halfway through the interview is none

60
00:02:57,598 --> 00:03:02,539
other than Brian Dunning who sort of

61
00:02:59,870 --> 00:03:04,980
photobombed gatecrashed what's the word

62
00:03:02,539 --> 00:03:06,539
the interview I was having with Ben

63
00:03:04,979 --> 00:03:10,409
Radford but it was all in good fun we're

64
00:03:06,539 --> 00:03:12,568
having dinner in Hollywood been and I've

65
00:03:10,409 --> 00:03:14,129
step aside into a sort of a corridor and

66
00:03:12,568 --> 00:03:15,899
we're having a chat and suddenly Brian

67
00:03:14,129 --> 00:03:18,269
Dunning appeared and that's all coming

68
00:03:15,900 --> 00:03:20,370
up it's a wide-ranging sort of chat

69
00:03:18,269 --> 00:03:23,099
amongst friends I think he'll enjoy it

70
00:03:20,370 --> 00:03:24,930
and then to round off the show well what

71
00:03:23,098 --> 00:03:28,409
skeptical zone would be complete without

72
00:03:24,930 --> 00:03:30,450
maynard's spooky action and this is the

73
00:03:28,409 --> 00:03:32,400
first partner your little series we're

74
00:03:30,449 --> 00:03:36,119
running with Maynard where he talked to

75
00:03:32,400 --> 00:03:39,510
Marlo Cassetti the maloca said he was

76
00:03:36,120 --> 00:03:41,609
instrumental in the early days of NASA I

77
00:03:39,509 --> 00:03:44,250
don't know where Maynard gets these

78
00:03:41,609 --> 00:03:46,650
people from Andy's a skeptic good to

79
00:03:44,250 --> 00:03:49,139
know so in the first part of the

80
00:03:46,650 --> 00:03:52,920
interviews we learn about the early days

81
00:03:49,139 --> 00:03:55,559
of NASA and how accurate was I Dream of

82
00:03:52,919 --> 00:03:58,768
Jeannie only may not can ask these

83
00:03:55,560 --> 00:04:01,349
questions now some messages just before

84
00:03:58,769 --> 00:04:04,139
he get into the show Tony McCaffrey his

85
00:04:01,349 --> 00:04:10,108
daughter Dana sadly died from pertussis

86

00:04:04,139 --> 00:04:14,010
in that 2009 has launched a petition at

87
00:04:10,109 --> 00:04:17,100
change.org whooping cough booster make

88
00:04:14,009 --> 00:04:19,500
it clear make it easy make it affordable

89
00:04:17,100 --> 00:04:24,060
I'll put a link to the show notes but if

90
00:04:19,500 --> 00:04:26,788
you go to change.org and search for

91
00:04:24,060 --> 00:04:29,490
whooping cough booster you'll see that

92
00:04:26,788 --> 00:04:33,120
petition and I certainly I certainly

93
00:04:29,490 --> 00:04:35,100
urge you to support that and and just

94
00:04:33,120 --> 00:04:37,110
before we dive into the skeptic zone

95
00:04:35,100 --> 00:04:39,030
don't forget the Australian skeptics

96
00:04:37,110 --> 00:04:42,900
National Convention is coming up the

97
00:04:39,029 --> 00:04:46,559
22nd to the 24th of November the website

98
00:04:42,899 --> 00:04:48,870
to to run to straightaway straightaway

99
00:04:46,560 --> 00:04:51,990
is national skeptics

100
00:04:48,870 --> 00:04:54,750

convention dot org and don't forget

101

00:04:51,990 --> 00:04:57,870

we'll be announcing the winner of the

102

00:04:54,750 --> 00:05:00,329

Australian skeptics bent spoon award the

103

00:04:57,870 --> 00:05:02,850

National Convention in Canberra 22nd to

104

00:05:00,329 --> 00:05:04,709

the 24th of November and the Canberra

105

00:05:02,850 --> 00:05:07,379

people tell me there are still tickets

106

00:05:04,709 --> 00:05:08,879

left but please don't delay and it will

107

00:05:07,379 --> 00:05:12,870

be really great to see you there the

108

00:05:08,879 --> 00:05:16,139

theme is conspiracy theories well now

109

00:05:12,870 --> 00:05:19,410

it's time for me to run downstairs open

110

00:05:16,139 --> 00:05:22,740

the fridge get out that bottle of lemon

111

00:05:19,410 --> 00:05:25,410

lime and bitters hmm month it's quite

112

00:05:22,740 --> 00:05:27,960

refreshing yes why not lemon lime and

113

00:05:25,410 --> 00:05:32,480

bitters tonight folks while I'm enjoying

114

00:05:27,959 --> 00:05:32,479

that I hope you enjoy the skeptics

115
00:05:43,899 --> 00:05:51,038
now it's time for dr. Rachel reports

116
00:05:47,269 --> 00:05:51,038
with dr. Rachel Dunlop

117
00:05:51,418 --> 00:05:57,329
hello listeners and welcome to dr. HC

118
00:05:54,369 --> 00:05:59,919
reports well a few Thursday's ago

119
00:05:57,329 --> 00:06:01,778
chiropractors in Australia cop dibala

120
00:05:59,918 --> 00:06:05,109
King on the National Science program

121
00:06:01,778 --> 00:06:07,478
catalyst as dr. Mary Ann Damacy turned a

122
00:06:05,110 --> 00:06:10,270
spotlight on their profession and the

123
00:06:07,478 --> 00:06:12,758
wash-up wasn't pretty what resulted was

124
00:06:10,269 --> 00:06:15,459
examples of quackery infighting between

125
00:06:12,759 --> 00:06:17,080
professional bodies and the revelation

126
00:06:15,459 --> 00:06:19,209
that chiropractic does not have an

127
00:06:17,079 --> 00:06:21,278
adverse event reporting system in

128
00:06:19,209 --> 00:06:24,098
Australia now I want to emphasize that

129
00:06:21,278 --> 00:06:26,499
point because you can often hear the cry

130
00:06:24,098 --> 00:06:28,748
from chiropractors that their profession

131
00:06:26,499 --> 00:06:31,300
is overwhelmingly safe compared to

132
00:06:28,749 --> 00:06:33,729
science-based medicine and this is

133
00:06:31,300 --> 00:06:35,889
usually followed by some straw man about

134
00:06:33,728 --> 00:06:38,680
the numbers of iatrogenic deaths in

135
00:06:35,889 --> 00:06:40,538
science-based medicine but how do they

136
00:06:38,680 --> 00:06:42,968
know their profession is safe if they

137
00:06:40,538 --> 00:06:46,870
don't record adverse events or side

138
00:06:42,968 --> 00:06:48,668
effects well to be blunt they don't even

139
00:06:46,870 --> 00:06:51,249
before the program aired a few

140
00:06:48,668 --> 00:06:53,348
Thursday's ago many chiropractors had

141
00:06:51,249 --> 00:06:56,229
hit the catalyst Facebook page in a

142
00:06:53,348 --> 00:06:58,748
pre-programmed show of support and this

143

00:06:56,228 --> 00:07:00,338
perhaps may be a result of an email that

144
00:06:58,749 --> 00:07:02,889
had been sent by the chiropractic

145
00:07:00,338 --> 00:07:05,079
association of australia to all their

146
00:07:02,889 --> 00:07:07,899
members warning them about the impending

147
00:07:05,079 --> 00:07:09,609
criticism i decided to jump in too

148
00:07:07,899 --> 00:07:11,740
because i had a burning question that

149
00:07:09,610 --> 00:07:13,658
had been bugging me for weeks it

150
00:07:11,740 --> 00:07:16,329
concerns the vaccination status of

151
00:07:13,658 --> 00:07:17,709
pediatric chiropractors and occurred to

152
00:07:16,329 --> 00:07:19,598
me when I saw some pictures of

153
00:07:17,709 --> 00:07:21,728
chiropractors leaning over very young

154
00:07:19,598 --> 00:07:24,038
children to adjust them or whatever it

155
00:07:21,728 --> 00:07:27,098
is they do now this worries me for

156
00:07:24,038 --> 00:07:28,808
several reasons number one Australia has

157
00:07:27,098 --> 00:07:31,418

been in the grips of a Potosi said

158

00:07:28,809 --> 00:07:33,129

Emmett and kids have died number two

159

00:07:31,418 --> 00:07:34,990

it's thought that it is adults who are

160

00:07:33,129 --> 00:07:37,149

passing on the bacteria because their

161

00:07:34,990 --> 00:07:39,848

vaccination status for pertussis has

162

00:07:37,149 --> 00:07:42,218

worn off now the vaccine only lasts

163

00:07:39,848 --> 00:07:45,399

between about four and eight years so

164

00:07:42,218 --> 00:07:47,860

adults need to get boosters number three

165

00:07:45,399 --> 00:07:49,870

kids under the age of six months are

166

00:07:47,860 --> 00:07:52,300

most likely to suffer and die from

167

00:07:49,870 --> 00:07:54,668

infection with pertussis given that they

168

00:07:52,300 --> 00:07:56,978

are not fully vaccinated and thus are

169

00:07:54,668 --> 00:07:59,019

not protected also by way of background

170

00:07:56,978 --> 00:08:01,240

there are two professional bodies for

171

00:07:59,019 --> 00:08:02,740

chiropractors in Australia the

172
00:08:01,240 --> 00:08:04,900
chiropractic association of australia

173
00:08:02,740 --> 00:08:07,689
who i just mentioned before

174
00:08:04,899 --> 00:08:11,138
had no policy on vaccination but

175
00:08:07,689 --> 00:08:13,600
published one of sorts in May 2013 and

176
00:08:11,139 --> 00:08:16,569
in my opinion it's pretty wishy-washy it

177
00:08:13,600 --> 00:08:19,150
simply says chiropractors do not provide

178
00:08:16,569 --> 00:08:20,769
vaccination services chiropractors

179
00:08:19,149 --> 00:08:23,109
should encourage their patients to make

180
00:08:20,769 --> 00:08:25,508
informed healthcare decisions and to

181
00:08:23,110 --> 00:08:28,000
consult their GP in relation to the

182
00:08:25,509 --> 00:08:29,319
risks and benefits of vaccination the

183
00:08:28,000 --> 00:08:30,759
other professional body for

184
00:08:29,319 --> 00:08:33,038
chiropractors in Australia is the

185
00:08:30,759 --> 00:08:36,038
chiropractic and osteopathic College of

186
00:08:33,038 --> 00:08:39,490
Australia or coca who are quite clear

187
00:08:36,038 --> 00:08:42,098
about their stance on vaccinations they

188
00:08:39,490 --> 00:08:44,259
say Koko endorses the government of

189
00:08:42,099 --> 00:08:46,240
Australia's policy and position on

190
00:08:44,259 --> 00:08:48,338
immunisation as a simple safe and

191
00:08:46,240 --> 00:08:51,730
effective way of protecting people

192
00:08:48,339 --> 00:08:53,440
against harmful diseases so if this in

193
00:08:51,730 --> 00:08:56,350
mind I had a burning question for

194
00:08:53,440 --> 00:08:58,660
pediatric chiropractors concerning duty

195
00:08:56,350 --> 00:09:01,028
of care for babies and what steps they

196
00:08:58,659 --> 00:09:02,799
take to ensure that they're protected

197
00:09:01,028 --> 00:09:06,039
during manipulation of babies and

198
00:09:02,799 --> 00:09:07,990
children I ask this because my guess is

199
00:09:06,039 --> 00:09:09,969
if kairos themselves are

200

00:09:07,990 --> 00:09:12,039
anti-vaccination then it seems unlikely

201
00:09:09,970 --> 00:09:14,800
that they will be diligent about getting

202
00:09:12,039 --> 00:09:17,679
boosters for things like pertussis and I

203
00:09:14,799 --> 00:09:19,299
could be wrong and i hope i am now well

204
00:09:17,679 --> 00:09:20,859
known to regular listeners is the

205
00:09:19,299 --> 00:09:23,949
anti-vaccine pediatric chiropractor

206
00:09:20,860 --> 00:09:26,050
nimrod weiner who has published several

207
00:09:23,950 --> 00:09:27,640
pictures of himself leaning over babies

208
00:09:26,049 --> 00:09:30,129
while adjusting them on his facebook

209
00:09:27,639 --> 00:09:32,679
page now nimrod weiner declined to

210
00:09:30,129 --> 00:09:34,059
comment on the catalyst episode even

211
00:09:32,679 --> 00:09:36,099
though a complaint made about his

212
00:09:34,059 --> 00:09:38,769
anti-vaccine material was mentioned

213
00:09:36,100 --> 00:09:41,440
during the show so i started off by

214
00:09:38,769 --> 00:09:44,019

commenting on a post made by dr. tony

215

00:09:41,440 --> 00:09:46,750

croak chiropractor who says on his

216

00:09:44,019 --> 00:09:48,579

website that he is skilled in cranial

217

00:09:46,750 --> 00:09:51,879

adjusting techniques which are often

218

00:09:48,580 --> 00:09:54,190

very helpful for babies and children he

219

00:09:51,879 --> 00:09:57,159

has also previously been a professional

220

00:09:54,190 --> 00:09:58,800

member of the avian he's on the National

221

00:09:57,159 --> 00:10:01,509

Board of the chiropractic association

222

00:09:58,799 --> 00:10:03,579

who also approved a continuing

223

00:10:01,509 --> 00:10:06,250

professional development course by the

224

00:10:03,580 --> 00:10:09,430

notorious anti-vaccine chiropractor tim

225

00:10:06,250 --> 00:10:11,320

o'shea on a thread that Tony started on

226

00:10:09,429 --> 00:10:14,139

the catalyst page I commented with the

227

00:10:11,320 --> 00:10:15,610

following hi Tony thanks for commenting

228

00:10:14,139 --> 00:10:17,620

here there's a question that has been

229
00:10:15,610 --> 00:10:18,669
posed by myself and others on this page

230
00:10:17,620 --> 00:10:21,490
several times

231
00:10:18,669 --> 00:10:24,849
since yesterday afternoon perhaps you

232
00:10:21,490 --> 00:10:27,070
can answer it our pediatric I rose up to

233
00:10:24,850 --> 00:10:29,050
date with their vaccinations including

234
00:10:27,070 --> 00:10:31,480
boosters especially for pertussis which

235
00:10:29,049 --> 00:10:33,579
wears off I ask because as you probably

236
00:10:31,480 --> 00:10:36,490
know babies are at risk of attracting

237
00:10:33,580 --> 00:10:38,170
pertussis from unvaccinated adults hence

238
00:10:36,490 --> 00:10:39,879
there is good reason to be boosted for

239
00:10:38,169 --> 00:10:42,069
pertussis if you are around babies

240
00:10:39,879 --> 00:10:45,279
especially if you are in close contact

241
00:10:42,070 --> 00:10:47,530
with them during manipulations I am well

242
00:10:45,279 --> 00:10:49,959
aware of pediatric cairo dr weiners

243
00:10:47,529 --> 00:10:52,750
opinions on vaccinations having attended

244
00:10:49,960 --> 00:10:54,519
one of his seminars in 2010 where he

245
00:10:52,750 --> 00:10:56,710
spent two hours explaining how vaccines

246
00:10:54,519 --> 00:11:00,909
are at best unnecessary and it was

247
00:10:56,710 --> 00:11:02,769
harmful for this reason i wonder if he

248
00:11:00,909 --> 00:11:05,019
has had a pertussis booster and if not

249
00:11:02,769 --> 00:11:07,629
isn't he and others potentially putting

250
00:11:05,019 --> 00:11:09,129
kids at risk I understand you can't

251
00:11:07,629 --> 00:11:13,090
speak for him just using his

252
00:11:09,129 --> 00:11:14,830
anti-vaccine stance as an example when I

253
00:11:13,090 --> 00:11:16,600
attended his seminar is it the best

254
00:11:14,830 --> 00:11:18,730
thing you can do for a baby is get them

255
00:11:16,600 --> 00:11:22,210
to your chiropractor as soon as possible

256
00:11:18,730 --> 00:11:23,590
after they leave hospital so what

257

00:11:22,210 --> 00:11:26,200
mechanisms are in place to ensure

258
00:11:23,590 --> 00:11:28,600
pediatric kairos do not pass on vaccine

259
00:11:26,200 --> 00:11:30,460
preventable diseases this seems a

260
00:11:28,600 --> 00:11:33,250
particular concern if the chiro is

261
00:11:30,460 --> 00:11:35,320
anti-vaccine does your code of conduct

262
00:11:33,250 --> 00:11:37,960
say anything about this thanks in

263
00:11:35,320 --> 00:11:40,030
advance now this was posted on the

264
00:11:37,960 --> 00:11:47,290
facebook page on the twelfth of July at

265
00:11:40,029 --> 00:11:48,850
20 to 45 when by the following day it

266
00:11:47,289 --> 00:11:51,219
still hadn't been answered by any

267
00:11:48,850 --> 00:11:53,860
chiropractors let alone dr. Tony croak

268
00:11:51,220 --> 00:12:01,570
chiropractor I reposted it to the top of

269
00:11:53,860 --> 00:12:04,539
the page when still no chiropractors

270
00:12:01,570 --> 00:12:07,330
commented another 24 hours later my

271
00:12:04,539 --> 00:12:10,269

friend Annette had a go she posted the

272

00:12:07,330 --> 00:12:12,870

question can one just one chiropractor

273

00:12:10,269 --> 00:12:15,939

answer these questions so far no one has

274

00:12:12,870 --> 00:12:18,009

why as a professional body do you

275

00:12:15,940 --> 00:12:20,020

continue not to have an adverse events

276

00:12:18,009 --> 00:12:22,240

register have no position on

277

00:12:20,019 --> 00:12:24,399

vaccinations have non-approved

278

00:12:22,240 --> 00:12:27,039

literature promoting all kinds of health

279

00:12:24,399 --> 00:12:28,779

matters in your rooms allow members to

280

00:12:27,039 --> 00:12:31,120

do presentations to the general public

281

00:12:28,779 --> 00:12:32,490

with no mechanism of regulation to what

282

00:12:31,120 --> 00:12:35,039

is presented

283

00:12:32,490 --> 00:12:36,839

trying to present yourself as regulated

284

00:12:35,039 --> 00:12:38,849

is a joke while this type of practice is

285

00:12:36,839 --> 00:12:41,339

allowed if you want to be taken

286
00:12:38,850 --> 00:12:44,519
seriously you need transparency and

287
00:12:41,339 --> 00:12:46,260
regulation this is seriously lacking now

288
00:12:44,519 --> 00:12:48,240
eventually a chiropractor by the name of

289
00:12:46,259 --> 00:12:50,970
steel butcher jumped in with this

290
00:12:48,240 --> 00:12:54,110
comment there are two professional

291
00:12:50,970 --> 00:12:57,420
bodies for chiropractors coca and CAA

292
00:12:54,110 --> 00:13:00,629
coca is pro vaccination unfortunately

293
00:12:57,419 --> 00:13:02,519
the CAA has no official stance tighter

294
00:13:00,629 --> 00:13:04,649
regulations would be nice however

295
00:13:02,519 --> 00:13:07,740
practice is still definitely regulated

296
00:13:04,649 --> 00:13:11,429
as with many professions politics gets

297
00:13:07,740 --> 00:13:14,129
in the way so let me repeat that as with

298
00:13:11,429 --> 00:13:18,028
many professions politics gets in the

299
00:13:14,129 --> 00:13:20,820
way so politics gets in the way of duty

300
00:13:18,028 --> 00:13:22,708
of care to babies babies who cannot fend

301
00:13:20,820 --> 00:13:25,020
for themselves and are susceptible to

302
00:13:22,708 --> 00:13:27,899
vaccine preventable disease which could

303
00:13:25,019 --> 00:13:30,659
so easily be prevented if the CIA had

304
00:13:27,899 --> 00:13:33,299
the balls to tell their pediatric kairos

305
00:13:30,659 --> 00:13:35,819
to get boosted if they are not once

306
00:13:33,299 --> 00:13:38,370
again I hope I am wrong this was my

307
00:13:35,820 --> 00:13:40,440
response to steal politics gets in the

308
00:13:38,370 --> 00:13:41,879
way of being vaccinated against VP DS

309
00:13:40,440 --> 00:13:44,779
when you're treating babies who are

310
00:13:41,879 --> 00:13:47,759
either a not vaccinated at all or be

311
00:13:44,778 --> 00:13:50,278
incompletely vaccinated that's appalling

312
00:13:47,759 --> 00:13:52,220
I would expect that nothing would get in

313
00:13:50,278 --> 00:13:54,809
the way of duty of care to patients

314

00:13:52,220 --> 00:13:57,690
particularly when it comes to babies

315
00:13:54,809 --> 00:14:00,269
frankly I'm appalled now let me make

316
00:13:57,690 --> 00:14:02,610
this clear as possible I am not accusing

317
00:14:00,269 --> 00:14:05,069
anyone of infecting kids with pertussis

318
00:14:02,610 --> 00:14:07,200
I am seeking in answer to the question

319
00:14:05,070 --> 00:14:09,028
if you're working with kids are you

320
00:14:07,200 --> 00:14:12,360
considering their welfare by having a

321
00:14:09,028 --> 00:14:14,730
booster on the surface this seems like a

322
00:14:12,360 --> 00:14:16,860
simple question but over two weeks later

323
00:14:14,730 --> 00:14:21,259
it remains unanswered by any

324
00:14:16,860 --> 00:14:21,259
chiropractors and not for lack of trying

325
00:14:23,480 --> 00:14:28,620
so I have been to seminars given by

326
00:14:26,100 --> 00:14:30,540
pediatric chiropractors before in fact

327
00:14:28,620 --> 00:14:32,490
ones on the topic of vaccinations or

328
00:14:30,539 --> 00:14:34,349

I've listened to them tell parents to

329

00:14:32,490 --> 00:14:36,690

get their kids to a chiro as soon as

330

00:14:34,350 --> 00:14:40,320

possible after leaving hospital some

331

00:14:36,690 --> 00:14:42,839

advise within hours if possible but at

332

00:14:40,320 --> 00:14:44,850

what risk in medicine decisions about

333

00:14:42,839 --> 00:14:46,490

interventions are determined based on a

334

00:14:44,850 --> 00:14:49,170

risk versus benefit

335

00:14:46,490 --> 00:14:51,389

for example there was a risk in

336

00:14:49,169 --> 00:14:53,309

undergoing surgery but if the benefit of

337

00:14:51,389 --> 00:14:55,830

removing a tumor or whatever the problem

338

00:14:53,309 --> 00:14:58,829

may be outweighs the risks then people

339

00:14:55,830 --> 00:15:02,190

decide to do it but what about the risk

340

00:14:58,830 --> 00:15:03,930

for pediatric chiropractic well when the

341

00:15:02,190 --> 00:15:06,570

benefits are a bit better than placebo

342

00:15:03,929 --> 00:15:09,059

but the risks include sustaining an

343
00:15:06,570 --> 00:15:11,280
injury or worse a vaccine preventable

344
00:15:09,059 --> 00:15:14,729
disease that might kill you then it's

345
00:15:11,279 --> 00:15:16,470
clear avoid it like the plague if you'd

346
00:15:14,730 --> 00:15:18,509
like to read the transcript of this

347
00:15:16,470 --> 00:15:21,629
week's dr. Richie reports or follow any

348
00:15:18,509 --> 00:15:24,179
of the links or make a comment please go

349
00:15:21,629 --> 00:15:27,120
to skeptics book calm the official blog

350
00:15:24,179 --> 00:15:31,099
of the skeptic zone and until next time

351
00:15:27,120 --> 00:15:31,100
this has been dr. Rachel reports

352
00:15:38,500 --> 00:15:43,370
Rafiki have you heard the one about how

353
00:15:41,600 --> 00:15:45,050
the Illuminati in conjunction with the

354
00:15:43,370 --> 00:15:46,879
US government are hiding the existence

355
00:15:45,049 --> 00:15:48,979
of aliens in order to ensure the supply

356
00:15:46,879 --> 00:15:50,629
of helium is kept low or that the CIA

357
00:15:48,980 --> 00:15:52,399
the militant wing of the Freemasons are

358
00:15:50,629 --> 00:15:53,838
working with the elders of zion to take

359
00:15:52,399 --> 00:15:56,360
control of the population of the world

360
00:15:53,839 --> 00:15:58,130
through fluoridated chemtrails canberra

361
00:15:56,360 --> 00:15:59,600
skeptics incorporated on behalf of the

362
00:15:58,129 --> 00:16:01,309
shadow government will be massing an

363
00:15:59,600 --> 00:16:03,860
array of dark forces for the australian

364
00:16:01,309 --> 00:16:05,629
skeptics national convention 2013 this

365
00:16:03,860 --> 00:16:07,278
convention has conspired to coincide

366
00:16:05,629 --> 00:16:09,559
with the 50th anniversary of the

367
00:16:07,278 --> 00:16:11,179
assassination of John F Kennedy possibly

368
00:16:09,559 --> 00:16:13,250
the most famous conspiracy theory of all

369
00:16:11,179 --> 00:16:15,109
time if you've ever wanted to learn

370
00:16:13,250 --> 00:16:17,028
about the truth behind the death of JFK

371

00:16:15,110 --> 00:16:18,919
what makes for a good conspiracy theory

372
00:16:17,028 --> 00:16:20,929
and why they are so prevalent Canberra

373
00:16:18,919 --> 00:16:22,669
skeptics invites you to attend that is

374
00:16:20,929 --> 00:16:25,699
of course should you choose to accept it

375
00:16:22,669 --> 00:16:28,099
come to national skeptics convention org

376
00:16:25,700 --> 00:16:30,310
and just remember they will be watching

377
00:16:28,100 --> 00:16:30,310
you

378
00:16:35,889 --> 00:16:40,699
well as I mentioned at the top of the

379
00:16:38,330 --> 00:16:43,220
show anybody out there who's interested

380
00:16:40,700 --> 00:16:45,320
in getting more science on the media

381
00:16:43,220 --> 00:16:47,660
especially on to the radio should pay

382
00:16:45,320 --> 00:16:49,190
careful attention on the line I've got

383
00:16:47,659 --> 00:16:53,259
Rowand kabataan who's going to tell us

384
00:16:49,190 --> 00:16:56,570
more about an effort a push to get more

385
00:16:53,259 --> 00:16:58,939

science into the media especially on to

386

00:16:56,570 --> 00:17:02,570

radio Rowan hello how are you Richard

387

00:16:58,940 --> 00:17:04,160

I'm doing really well I've not been back

388

00:17:02,570 --> 00:17:06,380

in the country too long but it's good to

389

00:17:04,160 --> 00:17:08,180

be home good to be home and it's good to

390

00:17:06,380 --> 00:17:10,939

talk to someone about promoting science

391

00:17:08,180 --> 00:17:13,339

which at heart I guess is what the

392

00:17:10,939 --> 00:17:15,910

skeptic zone is all about tell us more

393

00:17:13,338 --> 00:17:18,740

and tell us what your motivations are

394

00:17:15,910 --> 00:17:21,319

yeah well so the end in science campaign

395

00:17:18,740 --> 00:17:23,990

is really just designed to get more

396

00:17:21,318 --> 00:17:25,849

science in the news media and to really

397

00:17:23,990 --> 00:17:28,609

just get this discussion out in the open

398

00:17:25,849 --> 00:17:30,469

about what we think news should really

399

00:17:28,609 --> 00:17:33,109

be four I mean it grew out of a general

400
00:17:30,470 --> 00:17:34,970
frustration for what qualifiers news i

401
00:17:33,109 --> 00:17:37,309
mean we hear so much sport we hear about

402
00:17:34,970 --> 00:17:39,319
so much petty crime and unfortunately so

403
00:17:37,309 --> 00:17:41,629
much tragedy that i really started to

404
00:17:39,319 --> 00:17:43,669
question why are we being told this

405
00:17:41,630 --> 00:17:45,470
what's the news for why do we listen and

406
00:17:43,670 --> 00:17:47,990
more importantly with regard to science

407
00:17:45,470 --> 00:17:49,309
what aren't we being told and in my

408
00:17:47,990 --> 00:17:50,960
opinion most of the time we're not

409
00:17:49,309 --> 00:17:53,119
hearing about science and when we do its

410
00:17:50,960 --> 00:17:55,039
infrequently done and often not done

411
00:17:53,119 --> 00:17:57,379
very well there's one of the criticisms

412
00:17:55,039 --> 00:18:00,470
we hear a lot actually is the science is

413
00:17:57,380 --> 00:18:02,630
either dumbed down for a lot of people

414
00:18:00,470 --> 00:18:05,660
to understand or it's made sensational

415
00:18:02,630 --> 00:18:07,940
or another bugbear of mine i must admit

416
00:18:05,660 --> 00:18:11,630
is the way that media will use the word

417
00:18:07,940 --> 00:18:13,660
breakthrough mmm i think that's that's

418
00:18:11,630 --> 00:18:15,890
kind of really risky because if we start

419
00:18:13,660 --> 00:18:18,380
training people particularly people who

420
00:18:15,890 --> 00:18:20,660
are not involved deeply involved in

421
00:18:18,380 --> 00:18:22,760
science to expect breakthroughs but then

422
00:18:20,660 --> 00:18:25,340
it never materializes five years down

423
00:18:22,759 --> 00:18:27,319
the track then when we've got our quack

424
00:18:25,339 --> 00:18:29,990
offering some solution right here right

425
00:18:27,319 --> 00:18:31,490
now it's very attractive I think and

426
00:18:29,990 --> 00:18:33,529
we're kind of really promoting the wrong

427
00:18:31,490 --> 00:18:34,789
message when talking about science if

428

00:18:33,529 --> 00:18:36,910
we're always talking about breakthroughs

429
00:18:34,789 --> 00:18:40,309
that are sensationalized and over high

430
00:18:36,910 --> 00:18:42,590
that's true and it's also it's not quite

431
00:18:40,309 --> 00:18:44,240
how science works so there periodically

432
00:18:42,589 --> 00:18:45,889
I guess there are things we could

433
00:18:44,240 --> 00:18:46,579
categorize as breakthroughs but they're

434
00:18:45,890 --> 00:18:48,860
pretty

435
00:18:46,579 --> 00:18:51,048
pretty rare and they only come normally

436
00:18:48,859 --> 00:18:53,418
after many many years of painstaking

437
00:18:51,048 --> 00:18:55,429
research sure yeah if you dig a little

438
00:18:53,419 --> 00:18:57,799
little bit deeper if you scratch the

439
00:18:55,429 --> 00:18:59,600
surface of you know the seven minutes of

440
00:18:57,798 --> 00:19:01,220
terror or the higgs boson there's

441
00:18:59,599 --> 00:19:02,509
decades of work behind that even though

442
00:19:01,220 --> 00:19:05,089

it seems like a breakthrough on the

443

00:19:02,509 --> 00:19:06,558

surface yeah it does as those people

444

00:19:05,089 --> 00:19:09,709

aren't too interested in the years of

445

00:19:06,558 --> 00:19:11,808

painstaking and methodical research and

446

00:19:09,710 --> 00:19:14,840

rather just hear about Oh does this work

447

00:19:11,808 --> 00:19:16,538

now and what does it do I guess yeah

448

00:19:14,839 --> 00:19:19,699

yeah how does it impact my everyday life

449

00:19:16,538 --> 00:19:22,069

yeah and they're told whether it's true

450

00:19:19,700 --> 00:19:24,590

or not yeah um but I but I think this

451

00:19:22,069 --> 00:19:26,269

this kind of campaigns like what I

452

00:19:24,589 --> 00:19:28,028

really think it's trying to do is what I

453

00:19:26,269 --> 00:19:30,409

what I'm really trying to do rather is

454

00:19:28,028 --> 00:19:32,599

hopefully to go some way towards solving

455

00:19:30,409 --> 00:19:35,149

some problems that have been long long

456

00:19:32,599 --> 00:19:36,408

standing in a skeptical community I mean

457
00:19:35,148 --> 00:19:39,259
I can go into a bit more detail for each

458
00:19:36,409 --> 00:19:41,330
of these but I mean I like every other

459
00:19:39,259 --> 00:19:43,429
skeptical out there lament the quality of

460
00:19:41,329 --> 00:19:45,528
science news reporting but I think a

461
00:19:43,429 --> 00:19:47,028
bigger issue is the fact it's not done

462
00:19:45,528 --> 00:19:49,599
often and I think that's one of the

463
00:19:47,028 --> 00:19:51,919
first issues we've got to solve I think

464
00:19:49,599 --> 00:19:53,599
also we're stamping out pseudoscience

465
00:19:51,919 --> 00:19:54,980
and misinformation which Australian

466
00:19:53,599 --> 00:19:56,959
skeptics are greater I mean we've got

467
00:19:54,980 --> 00:19:59,599
the avian on the back foot we totally

468
00:19:56,960 --> 00:20:02,990
destroyed the the balance the power

469
00:19:59,599 --> 00:20:04,250
balance people we need I think the first

470
00:20:02,990 --> 00:20:05,750
step we need to is drown out

471
00:20:04,250 --> 00:20:07,339
misinformation and pseudoscience with

472
00:20:05,750 --> 00:20:09,349
actual information we can do that by

473
00:20:07,339 --> 00:20:12,859
just putting more of it into into our

474
00:20:09,349 --> 00:20:14,329
news media and I think there's two more

475
00:20:12,859 --> 00:20:16,250
things we can benefit from I mean false

476
00:20:14,329 --> 00:20:18,109
balance is the thing we were we're

477
00:20:16,250 --> 00:20:20,419
always criticizing the media for if we

478
00:20:18,109 --> 00:20:22,548
had more science the balance would not

479
00:20:20,419 --> 00:20:24,350
be so false it would definitely erase

480
00:20:22,548 --> 00:20:26,210
any sensation that there's a false

481
00:20:24,349 --> 00:20:28,278
controversy and and science needs to

482
00:20:26,210 --> 00:20:30,440
reclaim some of the science scientific

483
00:20:28,278 --> 00:20:32,329
words you know we need to own the word

484
00:20:30,440 --> 00:20:33,980
theory we need to own the word energy

485

00:20:32,329 --> 00:20:37,189
and we need to claw those back to have a

486
00:20:33,980 --> 00:20:39,519
grounded meaning we do i I can't agree

487
00:20:37,190 --> 00:20:41,929
with you more it's quite often we have a

488
00:20:39,519 --> 00:20:45,230
battle on our hands just trying to tell

489
00:20:41,929 --> 00:20:46,850
people what the word energy means your

490
00:20:45,230 --> 00:20:49,130
people use the word energy without

491
00:20:46,849 --> 00:20:52,398
having a clue a clue what it means I

492
00:20:49,130 --> 00:20:55,880
think in my experience it boils down to

493
00:20:52,398 --> 00:20:58,849
a lot of people think that they need to

494
00:20:55,880 --> 00:20:59,740
change the word energy and feeling like

495
00:20:58,849 --> 00:21:01,779
yeah

496
00:20:59,740 --> 00:21:03,490
oh I've got a bad feeling about this

497
00:21:01,779 --> 00:21:05,170
they'll say all the energies are bad

498
00:21:03,490 --> 00:21:07,120
meaning the same thing that you know

499
00:21:05,170 --> 00:21:09,308

just they've got a slight hiccup in

500

00:21:07,119 --> 00:21:10,808

their emotional state yeah i mean i

501

00:21:09,308 --> 00:21:13,869

think the science scientists and

502

00:21:10,808 --> 00:21:16,990

skeptics of one if anyone invokes energy

503

00:21:13,869 --> 00:21:18,669

for any state and there that someone

504

00:21:16,990 --> 00:21:21,609

responds with arm kick into kinetic

505

00:21:18,670 --> 00:21:24,220

energy power a light bulb with one we've

506

00:21:21,609 --> 00:21:26,619

won at that point so well i mean you

507

00:21:24,220 --> 00:21:27,910

might you might hope we have but i don't

508

00:21:26,619 --> 00:21:31,119

think you've ever had a conversation

509

00:21:27,910 --> 00:21:34,029

with one of these people uh it goes

510

00:21:31,119 --> 00:21:37,389

nowhere fast and often it'll boil down

511

00:21:34,029 --> 00:21:39,250

to I'll put the question to question two

512

00:21:37,390 --> 00:21:41,740

people what do you think energy is and

513

00:21:39,250 --> 00:21:44,440

they'll often come back with well the

514
00:21:41,740 --> 00:21:48,099
universe is made out of energy and yeah

515
00:21:44,440 --> 00:21:51,120
that's really odd to try and bring them

516
00:21:48,099 --> 00:21:53,619
back around to a logical and meaningful

517
00:21:51,119 --> 00:21:55,209
dialogue you know when your premise is

518
00:21:53,619 --> 00:21:56,469
the universe it's kind of hard to bring

519
00:21:55,210 --> 00:21:58,299
it down to something to jest if I wasn't

520
00:21:56,470 --> 00:22:03,039
it yeah and how can you beat that

521
00:21:58,299 --> 00:22:04,539
skeptic I I think another thing that

522
00:22:03,039 --> 00:22:08,079
this campaign is really working on is

523
00:22:04,539 --> 00:22:08,889
you know because the wound practitioners

524
00:22:08,079 --> 00:22:11,169
that people have really don't know if

525
00:22:08,890 --> 00:22:14,440
there who are invoking things in a false

526
00:22:11,170 --> 00:22:16,300
way the signal-to-noise ratio is totally

527
00:22:14,440 --> 00:22:19,000
skewed in their favor you know if we had

528
00:22:16,299 --> 00:22:21,099
more news more science really pushing

529
00:22:19,000 --> 00:22:23,799
the ridicule fact out there we could

530
00:22:21,099 --> 00:22:25,149
drown out you know the noise the

531
00:22:23,799 --> 00:22:26,409
misinformation they're making and we

532
00:22:25,150 --> 00:22:28,240
could really just boost the signal of

533
00:22:26,410 --> 00:22:30,040
science and let it ring true and clear

534
00:22:28,240 --> 00:22:31,299
right through everyone's right through

535
00:22:30,039 --> 00:22:33,308
the norms of society right through our

536
00:22:31,299 --> 00:22:35,169
media I think that would also be a huge

537
00:22:33,308 --> 00:22:37,779
boost it's just how we understand the

538
00:22:35,170 --> 00:22:39,370
world around us it would yeah I totally

539
00:22:37,779 --> 00:22:42,579
agree it would be I think it's a noble

540
00:22:39,369 --> 00:22:46,479
ambition it's I think realistically it's

541
00:22:42,579 --> 00:22:49,569
it's a long-term strategy I mean it are

542

00:22:46,480 --> 00:22:51,400
you having very hard to the media are so

543
00:22:49,569 --> 00:22:53,678
used to operating in the way they do and

544
00:22:51,400 --> 00:22:56,769
a lot of the times as they need a story

545
00:22:53,679 --> 00:23:00,790
quickly and often don't have the time to

546
00:22:56,769 --> 00:23:04,420
dedicate to the proper research or again

547
00:23:00,789 --> 00:23:07,509
it's the old story with a cheap and easy

548
00:23:04,420 --> 00:23:09,910
story for the media many times is to

549
00:23:07,509 --> 00:23:11,500
simply get to opposing issues people

550
00:23:09,910 --> 00:23:12,019
from two opposing sides and put them

551
00:23:11,500 --> 00:23:15,140
together

552
00:23:12,019 --> 00:23:17,369
hmm and I think that you know that the

553
00:23:15,140 --> 00:23:18,750
normal skeptic the average guy on the

554
00:23:17,369 --> 00:23:21,689
street who considers themselves a

555
00:23:18,750 --> 00:23:24,150
skeptic kind of has it's a tricky it's a

556
00:23:21,690 --> 00:23:26,820

tricky line to tread because in my

557

00:23:24,150 --> 00:23:29,070

opinion if we were a bit more I mean the

558

00:23:26,819 --> 00:23:31,049

reporters reporting science are often

559

00:23:29,069 --> 00:23:32,849

not trained in science they're not

560

00:23:31,049 --> 00:23:34,829

actively trying to misrepresent

561

00:23:32,849 --> 00:23:36,929

scientists they're just trying to do the

562

00:23:34,829 --> 00:23:38,579

best they can do but sometimes we can

563

00:23:36,930 --> 00:23:41,039

come out and be a bit too vitriolic and

564

00:23:38,579 --> 00:23:43,079

then the news departments will respond

565

00:23:41,039 --> 00:23:44,519

by going well this this is just not

566

00:23:43,079 --> 00:23:46,409

popular this is creating too much

567

00:23:44,519 --> 00:23:49,139

controversy let's let's not do that

568

00:23:46,410 --> 00:23:51,240

again I think you know I personally feel

569

00:23:49,140 --> 00:23:52,350

and I would you know advocate this

570

00:23:51,240 --> 00:23:54,059

position to kind of be a bit more

571
00:23:52,349 --> 00:23:55,589
accepting or a softer approach to

572
00:23:54,059 --> 00:23:57,210
criticizing bad journalism and bad

573
00:23:55,589 --> 00:23:59,359
science journalism you know if we can

574
00:23:57,210 --> 00:24:01,710
get more of it in there and then kind of

575
00:23:59,359 --> 00:24:03,569
be more accepting of more of it being

576
00:24:01,710 --> 00:24:05,460
that even if it's not great we can deal

577
00:24:03,569 --> 00:24:07,470
with the quality problem six months from

578
00:24:05,460 --> 00:24:10,559
now a year from now at some point down

579
00:24:07,470 --> 00:24:13,680
the track when we've kind of really got

580
00:24:10,559 --> 00:24:17,190
a norm happening again I think it so

581
00:24:13,680 --> 00:24:19,680
it's a very worthwhile strategy and it's

582
00:24:17,190 --> 00:24:22,110
of course we should be setting how can

583
00:24:19,680 --> 00:24:24,870
people help what's the story now for the

584
00:24:22,109 --> 00:24:26,609
rest of us how can we really help well

585
00:24:24,869 --> 00:24:28,409
you know it's we've got a petition going

586
00:24:26,609 --> 00:24:29,639
it's on change.org we've actually just

587
00:24:28,410 --> 00:24:31,680
made the front page because we've been

588
00:24:29,640 --> 00:24:33,150
so popular in the last four days we've

589
00:24:31,680 --> 00:24:35,220
got over eleven hundred signatures and

590
00:24:33,150 --> 00:24:37,320
they're coming in all the time so you

591
00:24:35,220 --> 00:24:40,710
can find us a change.org or if it's easy

592
00:24:37,319 --> 00:24:42,240
to remember and in science com the links

593
00:24:40,710 --> 00:24:44,579
are there our petition statement there

594
00:24:42,240 --> 00:24:46,380
is our open letter to triple j is there

595
00:24:44,579 --> 00:24:47,879
and of course we're on twitter and

596
00:24:46,380 --> 00:24:49,740
facebook and as you know some lively

597
00:24:47,880 --> 00:24:52,140
discussions happening in those places as

598
00:24:49,740 --> 00:24:54,690
well that's the message folks also if

599

00:24:52,140 --> 00:24:57,600
you go to the skeptic zone homepage ww

600
00:24:54,690 --> 00:25:00,990
skeptics on TV in the show notes for

601
00:24:57,599 --> 00:25:03,569
this episode we'll have links to this

602
00:25:00,990 --> 00:25:05,309
petition I've signed it myself a couple

603
00:25:03,569 --> 00:25:08,730
of days ago and have been publicizing it

604
00:25:05,309 --> 00:25:11,069
so I hope in some small way the skeptic

605
00:25:08,730 --> 00:25:14,120
zone has already helped to get some

606
00:25:11,069 --> 00:25:17,700
attention to this website absolutely and

607
00:25:14,119 --> 00:25:20,069
well we will check up with you check in

608
00:25:17,700 --> 00:25:21,930
with you as it were down the track and

609
00:25:20,069 --> 00:25:23,409
see how this petitions going and see

610
00:25:21,930 --> 00:25:25,360
what progress has been made

611
00:25:23,410 --> 00:25:27,130
I look forward to everything Rowan

612
00:25:25,359 --> 00:25:29,379
thanks again for your time and folks

613
00:25:27,130 --> 00:25:39,940

there's the message get more science out

614

00:25:29,380 --> 00:25:43,780

there in the media morning's keto

615

00:25:39,940 --> 00:25:46,059

potties or afternoon evening night order

616

00:25:43,779 --> 00:25:48,789

we small hours and regardless of when

617

00:25:46,059 --> 00:25:50,649

you're listening hello dr. Willis from

618

00:25:48,789 --> 00:25:53,109

the Royal Institution of Australia here

619

00:25:50,650 --> 00:25:54,820

with the final of three podcast covering

620

00:25:53,109 --> 00:25:57,579

the production break of a week in

621

00:25:54,819 --> 00:26:00,189

science that vodcast will be back next

622

00:25:57,579 --> 00:26:02,769

week but what's been happening this week

623

00:26:00,190 --> 00:26:05,620

in the wonderful world of science well

624

00:26:02,769 --> 00:26:07,509

lots let's start with a confronting

625

00:26:05,619 --> 00:26:10,059

commentary that appeared in nature this

626

00:26:07,509 --> 00:26:12,279

week that claims the global cost of a

627

00:26:10,059 --> 00:26:15,869

warming Arctic could be around the same

628
00:26:12,279 --> 00:26:19,450
size as the total global economy for

629
00:26:15,869 --> 00:26:21,879
2012 written by several international

630
00:26:19,450 --> 00:26:23,559
experts the piece claims that while most

631
00:26:21,880 --> 00:26:26,080
discussions about the economic

632
00:26:23,559 --> 00:26:27,789
implications of a warming Arctic focus

633
00:26:26,079 --> 00:26:30,039
on the benefits to the region such as

634
00:26:27,789 --> 00:26:31,930
increased oil and gas drilling and the

635
00:26:30,039 --> 00:26:34,029
opening up of new shipping routes other

636
00:26:31,930 --> 00:26:37,000
effects such as the melting of

637
00:26:34,029 --> 00:26:39,329
permafrost will extract a heavy toll on

638
00:26:37,000 --> 00:26:44,079
the planetary hip pocket they're talking

639
00:26:39,329 --> 00:26:46,149
60 trillion dollars folks and also some

640
00:26:44,079 --> 00:26:49,389
disappointing news about the potential

641
00:26:46,150 --> 00:26:50,710
use of a particular kind of stem cell us

642
00:26:49,390 --> 00:26:52,780
scientists are questioning the

643
00:26:50,710 --> 00:26:56,319
usefulness of what are known as very

644
00:26:52,779 --> 00:26:59,200
small embryonic-like stem cells or vs

645
00:26:56,319 --> 00:27:01,659
ALS these cells can be isolated from

646
00:26:59,200 --> 00:27:03,759
blood or bone marrow rather than from

647
00:27:01,660 --> 00:27:05,890
embryos and thus circumventing some

648
00:27:03,759 --> 00:27:08,170
tricky ethical questions and they're

649
00:27:05,890 --> 00:27:10,810
thought to be an alternative source of

650
00:27:08,170 --> 00:27:13,029
stem cells for medicine however this

651
00:27:10,809 --> 00:27:15,369
research found they're not capable of

652
00:27:13,029 --> 00:27:17,859
turning into different cell types and

653
00:27:15,369 --> 00:27:21,759
thus will not be useful in regenerative

654
00:27:17,859 --> 00:27:23,589
medicine are you like me carrying a bit

655
00:27:21,759 --> 00:27:25,720
more weight than you ought to be then

656

00:27:23,589 --> 00:27:28,209
it's probably not a good idea for me to

657
00:27:25,720 --> 00:27:30,970
be reminding you a US study has shown

658
00:27:28,210 --> 00:27:33,130
that weight discrimination may in fact

659
00:27:30,970 --> 00:27:35,799
increase the risk of becoming obese

660
00:27:33,130 --> 00:27:37,210
rather than motivating individuals to

661
00:27:35,799 --> 00:27:39,308
lose weight sick

662
00:27:37,210 --> 00:27:43,298
thousand people were involved in the

663
00:27:39,308 --> 00:27:45,569
study in 2006 and 2010 those who

664
00:27:43,298 --> 00:27:49,319
experienced weight discrimination in

665
00:27:45,569 --> 00:27:52,629
2006 were more likely to remain obese in

666
00:27:49,319 --> 00:27:55,689
2010 than those who hadn't and now to

667
00:27:52,630 --> 00:27:57,760
bust two myths from nature firstly

668
00:27:55,690 --> 00:28:00,038
cheetahs don't abandon their humps

669
00:27:57,759 --> 00:28:02,140
because they become overheated South

670
00:28:00,038 --> 00:28:04,538

African researchers measured wild

671

00:28:02,140 --> 00:28:06,309

cheetahs whereas previous studies only

672

00:28:04,538 --> 00:28:08,440

looked at captive animals and found

673

00:28:06,308 --> 00:28:11,349

their body temperatures increased only

674

00:28:08,440 --> 00:28:13,870

after the hunt ends and only if they

675

00:28:11,349 --> 00:28:16,148

were successful they also give up about

676

00:28:13,869 --> 00:28:18,189

sixty percent of their chasers the

677

00:28:16,148 --> 00:28:20,469

second myth surrounds that old favorite

678

00:28:18,190 --> 00:28:23,558

of the skeptics the effects or lack

679

00:28:20,470 --> 00:28:25,990

thereof of the moon on people's behavior

680

00:28:23,558 --> 00:28:28,538

a Swiss study found that a bad night's

681

00:28:25,990 --> 00:28:30,849

sleep could be due to the geophysical

682

00:28:28,538 --> 00:28:33,009

rhythms of the moon study participants

683

00:28:30,849 --> 00:28:35,019

found they had poor asleep and

684

00:28:33,009 --> 00:28:37,990

diminished levels of the sleep hormone

685
00:28:35,019 --> 00:28:40,058
melatonin during a full moon which the

686
00:28:37,990 --> 00:28:41,890
authors say is the first reliable

687
00:28:40,058 --> 00:28:44,528
evidence that a lunar rhythm can

688
00:28:41,890 --> 00:28:46,720
modulate sleep structures in humans and

689
00:28:44,528 --> 00:28:48,819
let's finish off with a couple of future

690
00:28:46,720 --> 00:28:51,640
events that may be of interest to you if

691
00:28:48,819 --> 00:28:53,829
you are interested in questions nuclear

692
00:28:51,640 --> 00:28:56,320
particularly with the future of power

693
00:28:53,829 --> 00:28:58,269
generation in Australia then check out

694
00:28:56,319 --> 00:29:00,639
the traveling Roadshow of nuclear

695
00:28:58,269 --> 00:29:02,859
experts touring the country in August at

696
00:29:00,640 --> 00:29:04,659
see the Australian Academy of

697
00:29:02,859 --> 00:29:07,689
technological sciences and engineering

698
00:29:04,659 --> 00:29:10,149
is featuring a panel discussion at their

699
00:29:07,690 --> 00:29:12,159
annual conference and then members of

700
00:29:10,148 --> 00:29:14,889
that panel will be visiting major cities

701
00:29:12,159 --> 00:29:19,929
to hold further discussions check the at

702
00:29:14,890 --> 00:29:22,179
see that's 80 s website for details for

703
00:29:19,929 --> 00:29:25,210
those of you with a more creative bent

704
00:29:22,179 --> 00:29:27,788
arias will be running our annual psycho

705
00:29:25,210 --> 00:29:29,950
competition as part of our contribution

706
00:29:27,788 --> 00:29:33,308
to national science week based on the

707
00:29:29,950 --> 00:29:35,380
Japanese haiku poetry form psychos have

708
00:29:33,308 --> 00:29:37,298
a science theme and this year in

709
00:29:35,380 --> 00:29:39,460
recognition of the international year

710
00:29:37,298 --> 00:29:41,918
statistics and the International Year of

711
00:29:39,460 --> 00:29:44,308
mathematics of planet Earth we want you

712
00:29:41,919 --> 00:29:47,139
to create a suitably statistically

713

00:29:44,308 --> 00:29:50,410
mathematical global kind of psycho

714
00:29:47,138 --> 00:29:54,369
here's my entry when a bell curve

715
00:29:50,410 --> 00:29:57,190
ohs a normal distribution piece around

716
00:29:54,369 --> 00:29:59,859
the mean I know I know I've missed my

717
00:29:57,190 --> 00:30:01,870
vocation but don't you miss yours and

718
00:29:59,859 --> 00:30:07,119
find out more about our psycho

719
00:30:01,869 --> 00:30:09,369
competition at RI aus org dot a you we

720
00:30:07,119 --> 00:30:11,259
can also find more science news and more

721
00:30:09,369 --> 00:30:14,409
details on the store is presented here

722
00:30:11,259 --> 00:30:17,319
that's it from me next week back to

723
00:30:14,410 --> 00:30:23,110
regular programming dr. Willis signing

724
00:30:17,319 --> 00:30:25,269
off hi I'm Finn and I'm Rebecca and

725
00:30:23,109 --> 00:30:26,979
where the skipper Kwan's skipper Collins

726
00:30:25,269 --> 00:30:28,389
is an Irish podcast by the Dublin

727
00:30:26,980 --> 00:30:30,039

skeptics society it takes a

728

00:30:28,390 --> 00:30:31,810

conversational reverent look at science

729

00:30:30,039 --> 00:30:35,289

news and skeptical topics from an Irish

730

00:30:31,809 --> 00:30:38,339

perspective you can find us at WWDC

731

00:30:35,289 --> 00:30:38,339

afrikaans calm

732

00:30:38,349 --> 00:30:55,480

oh wow that's the wall of fame it's

733

00:30:53,829 --> 00:30:57,178

quite who do we have here we have got

734

00:30:55,480 --> 00:30:59,769

all these stars and celebrities

735

00:30:57,179 --> 00:31:01,600

autographed pictures on the wall here at

736

00:30:59,769 --> 00:31:03,940

this restaurant in Los Angeles were

737

00:31:01,599 --> 00:31:05,798

having dinner with Ben Redford hello Ben

738

00:31:03,940 --> 00:31:07,029

hello there Richard how are you I'm

739

00:31:05,798 --> 00:31:09,369

doing really well I've had a great time

740

00:31:07,029 --> 00:31:11,079

here with the members of the iig the

741

00:31:09,369 --> 00:31:12,849

local skeptical group we've had a big

742
00:31:11,079 --> 00:31:15,609
Italian dinner and we're just wandering

743
00:31:12,849 --> 00:31:17,829
down the wall of fame here because this

744
00:31:15,609 --> 00:31:19,928
is Hollywood isn't it it is it's Italian

745
00:31:17,829 --> 00:31:21,879
with their stars everywhere I was on the

746
00:31:19,929 --> 00:31:24,309
way in the door I stepped over a gold

747
00:31:21,880 --> 00:31:25,870
bar I'm pretty sure was pure solid gold

748
00:31:24,308 --> 00:31:28,329
because this is Hollywood it was

749
00:31:25,869 --> 00:31:30,939
remarkable you might be right anyway

750
00:31:28,329 --> 00:31:33,308
there's lots of lots of faces on the

751
00:31:30,940 --> 00:31:35,860
wall here photographs here Oh what Frank

752
00:31:33,308 --> 00:31:38,529
Sinatra keep kidding me really I know

753
00:31:35,859 --> 00:31:40,089
that is Frank Sinatra there's the to be

754
00:31:38,529 --> 00:31:42,250
honest most people here people I've

755
00:31:40,089 --> 00:31:44,439
never ever ever heard it you know what

756
00:31:42,250 --> 00:31:46,409
you're right I got really great many

757
00:31:44,440 --> 00:31:49,779
people put still the wall smothered with

758
00:31:46,409 --> 00:31:52,539
celebrity photographs now been what if

759
00:31:49,779 --> 00:31:55,149
some of your latest are skeptical

760
00:31:52,538 --> 00:31:57,369
investigation / adventures adventurous

761
00:31:55,150 --> 00:31:59,259
adventures well the most recent thing

762
00:31:57,369 --> 00:32:01,479
I've done was I did an article for

763
00:31:59,259 --> 00:32:04,509
skeptical inquire magazine on plagiarism

764
00:32:01,480 --> 00:32:07,360
in in a vampire encyclopedia by

765
00:32:04,509 --> 00:32:10,119
harpercollins lady jury subpoena vampire

766
00:32:07,359 --> 00:32:12,490
encyclopedia yes yes yes so it always

767
00:32:10,119 --> 00:32:13,869
sounds like the windup project hey thank

768
00:32:12,490 --> 00:32:17,319
you for coming Thank you Thank You

769
00:32:13,869 --> 00:32:20,349
Rachel my pleasure I others yeah so did

770

00:32:17,319 --> 00:32:22,359
the the I was doing some research and I

771
00:32:20,349 --> 00:32:26,139
discovered some rampant plagiarism in

772
00:32:22,359 --> 00:32:28,990
the reference book by a multiple-time

773
00:32:26,140 --> 00:32:31,120
author of HarperCollins the world's

774
00:32:28,990 --> 00:32:32,890
biggest publisher in the contacted them

775
00:32:31,119 --> 00:32:34,509
and I said you know you should be aware

776
00:32:32,890 --> 00:32:37,960
that that most of this book was written

777
00:32:34,509 --> 00:32:39,460
by other people hmm so that's my most

778
00:32:37,960 --> 00:32:41,710
recent thing I've I never gotten very

779
00:32:39,460 --> 00:32:44,230
good response from from readers because

780
00:32:41,710 --> 00:32:46,210
it's very um it's not just sort of

781
00:32:44,230 --> 00:32:48,160
another Bigfoot another

782
00:32:46,210 --> 00:32:51,190
ghost story it's it's sort of like more

783
00:32:48,160 --> 00:32:53,320
more consumer reports ik investigative

784
00:32:51,190 --> 00:32:54,910

journalism stuff yeah yeah so yeah so

785

00:32:53,319 --> 00:32:57,250

I'm working on that and then I've got

786

00:32:54,910 --> 00:33:00,210

another book coming out whew I have it's

787

00:32:57,250 --> 00:33:03,190

uh it's called mysterious new mexico

788

00:33:00,210 --> 00:33:04,930

mysterious New Mexico Nevada New Mexico

789

00:33:03,190 --> 00:33:07,180

well I live there you should come on

790

00:33:04,930 --> 00:33:08,500

since you live there it's quite nice the

791

00:33:07,180 --> 00:33:10,990

deserts and all sorts of things like

792

00:33:08,500 --> 00:33:13,690

that yeah and yeah because it'll be my

793

00:33:10,990 --> 00:33:16,450

seventh book Wow yeah it would be my

794

00:33:13,690 --> 00:33:18,730

seventh book and basically I realized

795

00:33:16,450 --> 00:33:20,740

that I had done investigations in a lot

796

00:33:18,730 --> 00:33:23,769

of parts of the world Europe South

797

00:33:20,740 --> 00:33:26,380

America elsewhere but I hadn't really

798

00:33:23,769 --> 00:33:28,150

done too many it or written them up in

799

00:33:26,380 --> 00:33:30,040
my backyard in New Mexico and so I

800

00:33:28,150 --> 00:33:31,990
figured why not I mean New Mexico's a

801

00:33:30,039 --> 00:33:34,089
weird place I live there that'll tell

802

00:33:31,990 --> 00:33:36,490
you something um where they make

803

00:33:34,089 --> 00:33:38,699
Breaking Bad that is that's exactly

804

00:33:36,490 --> 00:33:41,920
that's exactly what you would regret yes

805

00:33:38,700 --> 00:33:44,740
so yeah so so in addition we have you

806

00:33:41,920 --> 00:33:46,840
know monsters and miracles and weird

807

00:33:44,740 --> 00:33:49,599
things like that and so lots of ghost

808

00:33:46,839 --> 00:33:51,490
stories so that'll be coming out next

809

00:33:49,599 --> 00:33:54,719
year from the University of New Mexico

810

00:33:51,490 --> 00:33:57,430
press excellent and you still get

811

00:33:54,720 --> 00:34:00,279
feedback reaction from the chupacabra I

812

00:33:57,430 --> 00:34:01,990
do actually uh yeah it's you know the

813
00:34:00,279 --> 00:34:05,049
chupacabra book I did came out i think

814
00:34:01,990 --> 00:34:07,779
in twenty ten or so to chasing chuka

815
00:34:05,049 --> 00:34:09,909
cover tracking to portray tracking sorry

816
00:34:07,779 --> 00:34:11,829
tracking tracking chupacabra yeah you

817
00:34:09,909 --> 00:34:13,449
know it's interesting that's that sort

818
00:34:11,829 --> 00:34:15,869
of you know it's probably one of my

819
00:34:13,449 --> 00:34:18,460
highest profile investigations so far

820
00:34:15,869 --> 00:34:20,609
because you just so widely known it's

821
00:34:18,460 --> 00:34:23,050
you know it's known all around the world

822
00:34:20,610 --> 00:34:25,329
and it was funny the other day I was

823
00:34:23,050 --> 00:34:26,830
thinking about about you when someone

824
00:34:25,329 --> 00:34:29,529
writes my obituary when they gonna be

825
00:34:26,829 --> 00:34:31,690
talking about and someone you know when

826
00:34:29,530 --> 00:34:34,360
they say among my accomplishments

827

00:34:31,690 --> 00:34:36,190
however few or many it is it's going to

828
00:34:34,360 --> 00:34:38,800
be and by the way he solved this mystery

829
00:34:36,190 --> 00:34:40,450
of this weird vampire beast chupacabra

830
00:34:38,800 --> 00:34:42,100
yeah yeah I just sort of interesting

831
00:34:40,449 --> 00:34:43,779
just sort of and I'm okay I mean I'm

832
00:34:42,099 --> 00:34:46,089
happy with that I guess it just sort of

833
00:34:43,780 --> 00:34:47,230
an unusual things that was uh it was

834
00:34:46,090 --> 00:34:48,700
kind of you know

835
00:34:47,230 --> 00:34:50,679
think on my gravestone this is gonna be

836
00:34:48,699 --> 00:34:53,858
chiseled into power balance bracelet you

837
00:34:50,679 --> 00:34:56,349
oh yeah the amazing work on the power

838
00:34:53,858 --> 00:34:58,029
balance yeah and yeah it's good fun I'm

839
00:34:56,349 --> 00:34:59,500
wearing three of them as we speak from

840
00:34:58,030 --> 00:35:01,330
the amazing meeting you know it's good

841
00:34:59,500 --> 00:35:02,949

fun yeah yeah yeah yeah oh yeah I mean

842

00:35:01,329 --> 00:35:04,329

you've you've done so much i mean this

843

00:35:02,949 --> 00:35:05,799

this is the problem with trying to you

844

00:35:04,329 --> 00:35:07,299

know trying to keep what does Richard

845

00:35:05,800 --> 00:35:10,210

Saunders do it's like what doesn't he do

846

00:35:07,300 --> 00:35:12,070

you know so there's a that's one of the

847

00:35:10,210 --> 00:35:13,960

great things is that you're early a

848

00:35:12,070 --> 00:35:15,460

jack-of-all-trades there's someone well

849

00:35:13,960 --> 00:35:18,940

we all have to be done waiting to or

850

00:35:15,460 --> 00:35:21,309

respect yeah I mean skeptics like I mean

851

00:35:18,940 --> 00:35:24,309

we should specialize I guess but there's

852

00:35:21,309 --> 00:35:26,139

there is so much to skepticism isn't

853

00:35:24,309 --> 00:35:29,049

there may be on the Australian skeptics

854

00:35:26,139 --> 00:35:31,269

website I remember this a.m page I think

855

00:35:29,050 --> 00:35:34,090

it's still there which is an a to Zed

856
00:35:31,269 --> 00:35:36,250
this starts with abracadabra and ends

857
00:35:34,090 --> 00:35:38,289
with zombies and everything in between

858
00:35:36,250 --> 00:35:41,019
you know it's ridiculously a number of

859
00:35:38,289 --> 00:35:42,789
topics in skepticism right yeah there's

860
00:35:41,019 --> 00:35:43,900
they're such fertile ground I mean

861
00:35:42,789 --> 00:35:46,570
that's the thing is is that there's

862
00:35:43,900 --> 00:35:48,430
almost no area of human interest earned

863
00:35:46,570 --> 00:35:51,519
ever that doesn't have some woowoo

864
00:35:48,429 --> 00:35:56,679
that's true you know it with psychology

865
00:35:51,519 --> 00:35:57,849
physics geography geology medicine take

866
00:35:56,679 --> 00:36:00,309
your quick I mean there there's really

867
00:35:57,849 --> 00:36:03,759
nothing that isn't contaminated in some

868
00:36:00,309 --> 00:36:05,409
way by pseudoscience or and in

869
00:36:03,760 --> 00:36:06,850
some ways that's it's the sort of an

870
00:36:05,409 --> 00:36:08,199
overwhelming job because there's so much

871
00:36:06,849 --> 00:36:09,639
out there but that's what that's what

872
00:36:08,199 --> 00:36:11,259
makes it challenging that's what makes

873
00:36:09,639 --> 00:36:13,150
it fun you would you believe it that

874
00:36:11,260 --> 00:36:14,950
brian danny is making faces at us

875
00:36:13,150 --> 00:36:17,619
through the the look at look of this

876
00:36:14,949 --> 00:36:20,259
he's doing puppy dog face oh so adorable

877
00:36:17,619 --> 00:36:22,630
come on then let him in let it does i

878
00:36:20,260 --> 00:36:24,790
want to come on come on this aroma

879
00:36:22,630 --> 00:36:27,670
listen live interview folks this is what

880
00:36:24,789 --> 00:36:29,739
happens here in kind is it is that brian

881
00:36:27,670 --> 00:36:31,210
dunning he's looking G Brian a I don't I

882
00:36:29,739 --> 00:36:32,709
don't see that weird so you know any of

883
00:36:31,210 --> 00:36:34,840
these any of these celebrities on the

884

00:36:32,710 --> 00:36:37,090
wall yeah pop from Frank Sinatra oh well

885
00:36:34,840 --> 00:36:38,769
other than him well I of course I of

886
00:36:37,090 --> 00:36:40,980
course I recognize my own picture up

887
00:36:38,769 --> 00:36:40,980
there

888
00:36:41,650 --> 00:36:47,030
Michael Jackson the novellas there's

889
00:36:45,079 --> 00:36:48,920
there's Steve novella it was genno how

890
00:36:47,030 --> 00:36:50,960
about that but Steve novella I didn't

891
00:36:48,920 --> 00:36:53,360
see that I think there's a I think

892
00:36:50,960 --> 00:36:55,490
there's Ioni anderson very nice there's

893
00:36:53,360 --> 00:36:57,289
not ever there something there's Brian

894
00:36:55,489 --> 00:36:59,479
Dunning dressed up as Lonnie Andrews

895
00:36:57,289 --> 00:37:01,789
that's what it is I thought I recognized

896
00:36:59,480 --> 00:37:05,599
that full lipstick that's right yeah

897
00:37:01,789 --> 00:37:07,099
yeah that's a that's an event and I was

898
00:37:05,599 --> 00:37:08,900

just discussing how many topics there

899

00:37:07,099 --> 00:37:10,699

are in skepticism everything from a to

900

00:37:08,900 --> 00:37:13,250

Zed right yeah I think there's I think

901

00:37:10,699 --> 00:37:17,449

there's up to about 35 by now at least

902

00:37:13,250 --> 00:37:19,250

yeah at least 85 things it's kids it's

903

00:37:17,449 --> 00:37:22,309

I've had to do 10 episodes on every

904

00:37:19,250 --> 00:37:27,079

subject just to you you had to just

905

00:37:22,309 --> 00:37:28,820

repeat them yes and each time I just

906

00:37:27,079 --> 00:37:30,139

kind of juice it up a little AB some

907

00:37:28,820 --> 00:37:31,970

spice going to come up with some

908

00:37:30,139 --> 00:37:33,769

creative additions to the story keep the

909

00:37:31,969 --> 00:37:36,079

legend growing you know that's a diff

910

00:37:33,769 --> 00:37:38,269

you take out a few facts throw in some

911

00:37:36,079 --> 00:37:39,739

it's all good and I found I

912

00:37:38,269 --> 00:37:43,009

found a great new wealth and just

913
00:37:39,739 --> 00:37:45,889
inventing old newspaper articles haha

914
00:37:43,010 --> 00:37:48,950
find an old newspaper claimed that the

915
00:37:45,889 --> 00:37:50,750
November 1913 issue had a particular

916
00:37:48,949 --> 00:37:52,549
article if that you can give the right

917
00:37:50,750 --> 00:37:54,139
or a name yeah it's amazing and you can

918
00:37:52,550 --> 00:37:55,970
you can cite anything you know what

919
00:37:54,139 --> 00:37:57,859
happens in been read if it gets us and

920
00:37:55,969 --> 00:37:59,449
thinks they're real you could have to

921
00:37:57,860 --> 00:38:01,789
rewrite your books but I've wasted so

922
00:37:59,449 --> 00:38:04,759
much time tracking down Brian's putting

923
00:38:01,789 --> 00:38:06,289
the stories from 1930 newspaper well so

924
00:38:04,760 --> 00:38:07,970
I ask you yes he quoted here and I like

925
00:38:06,289 --> 00:38:10,639
hold on there was no Charleston observer

926
00:38:07,969 --> 00:38:12,829
have you done Chupacabra unknown skip

927
00:38:10,639 --> 00:38:15,319
toyed no I'm that's something that I

928
00:38:12,829 --> 00:38:19,250
don't think has been really merited a

929
00:38:15,320 --> 00:38:20,780
skeptical treatment so I haven't to know

930
00:38:19,250 --> 00:38:22,130
there's a two-episode I'm gonna get

931
00:38:20,780 --> 00:38:23,870
kicked in the night and I haven't done

932
00:38:22,130 --> 00:38:25,820
too Picabo obviously because that's been

933
00:38:23,869 --> 00:38:27,949
specialty and I haven't done the moon

934
00:38:25,820 --> 00:38:30,680
hoax because that's Phil Plait special

935
00:38:27,949 --> 00:38:32,449
to him I think eventually I'm just going

936
00:38:30,679 --> 00:38:34,519
to you do kind of watered-down episodes

937
00:38:32,449 --> 00:38:37,969
you could I don't with with you know I

938
00:38:34,519 --> 00:38:39,739
mean I yes it is Ben's done that and

939
00:38:37,969 --> 00:38:41,629
Phil's done the moon hoax but there is

940
00:38:39,739 --> 00:38:43,939
still topics and colored it's nothing

941

00:38:41,630 --> 00:38:45,980
aspects to it or you could do one just

942
00:38:43,940 --> 00:38:48,079
about Ben

943
00:38:45,980 --> 00:38:49,789
what can I say well the reason I

944
00:38:48,079 --> 00:38:51,829
actually the reason I mentioned the fake

945
00:38:49,789 --> 00:38:53,989
newspaper articles is because that was

946
00:38:51,829 --> 00:38:55,909
what I ran into this week when I was

947
00:38:53,989 --> 00:38:57,858
researching the currents cup-tied I

948
00:38:55,909 --> 00:39:01,339
won't say the name of the author but

949
00:38:57,858 --> 00:39:03,409
there was a 1950s author who wrote he

950
00:39:01,340 --> 00:39:05,829
basically made up a short story as a

951
00:39:03,409 --> 00:39:08,989
campfire tale and then in the 70s

952
00:39:05,829 --> 00:39:10,819
another author went back and tried to

953
00:39:08,989 --> 00:39:13,429
turn that into a real thing and he

954
00:39:10,820 --> 00:39:17,090
invented newspaper articles from the

955
00:39:13,429 --> 00:39:19,339

early 1900's to support it and Bailey

956

00:39:17,090 --> 00:39:21,710

shall converted a campfire story into a

957

00:39:19,340 --> 00:39:23,690

hole what's become sort of an urban

958

00:39:21,710 --> 00:39:25,970

legend oh my god I have to read this

959

00:39:23,690 --> 00:39:30,800

core can i find it this is his skipped

960

00:39:25,969 --> 00:39:32,239

or else kept ID com you see I I set that

961

00:39:30,800 --> 00:39:33,920

up those great oh you said that out yeah

962

00:39:32,239 --> 00:39:35,179

did I miss that but that's really that

963

00:39:33,920 --> 00:39:37,579

was very clever think that was very

964

00:39:35,179 --> 00:39:39,230

clever so um yeah I'm in the presence of

965

00:39:37,579 --> 00:39:41,779

some guys who were both written books I

966

00:39:39,230 --> 00:39:43,429

speak fact we both have is nice right so

967

00:39:41,780 --> 00:39:44,630

it was wrong reading books but you guys

968

00:39:43,429 --> 00:39:46,879

certainly have written books more

969

00:39:44,630 --> 00:39:48,858

recently than I have for books on skip

970
00:39:46,880 --> 00:39:50,510
down the minutes for yes I can't say I

971
00:39:48,858 --> 00:39:53,179
wrote them I kind of copy and pasted

972
00:39:50,510 --> 00:39:55,700
them really from your own work I guess

973
00:39:53,179 --> 00:39:57,710
you did write for there's actually six

974
00:39:55,699 --> 00:39:59,659
of them that are done but only four of

975
00:39:57,710 --> 00:40:02,630
them have made it as far as the

976
00:39:59,659 --> 00:40:04,940
formatting stage but yes tells me seven

977
00:40:02,630 --> 00:40:07,340
I've written seven books and actually a

978
00:40:04,940 --> 00:40:09,650
not to brag but I was looking at it oh

979
00:40:07,340 --> 00:40:12,170
right well if you include books that I

980
00:40:09,650 --> 00:40:15,880
have have either written or contributed

981
00:40:12,170 --> 00:40:18,470
chapters to or co-authored it's a few 20

982
00:40:15,880 --> 00:40:19,820
I'm just I'm just I'm just just saying

983
00:40:18,469 --> 00:40:22,219
I'm just saying I understand just what I

984
00:40:19,820 --> 00:40:24,109
yeah yeah just in passing well just

985
00:40:22,219 --> 00:40:26,989
you know it's in some cases you know

986
00:40:24,108 --> 00:40:30,710
just a little minor chapter usually

987
00:40:26,989 --> 00:40:34,219
talking about brian is it's like the

988
00:40:30,710 --> 00:40:35,960
first the first real skeptical book that

989
00:40:34,219 --> 00:40:38,569
i bought was at the first tam that i

990
00:40:35,960 --> 00:40:41,510
went to and that was your Lake Monsters

991
00:40:38,570 --> 00:40:43,460
book well by Ben Radford and joe nickell

992
00:40:41,510 --> 00:40:44,930
right well then I use that on as

993
00:40:43,460 --> 00:40:46,220
reference on a couple of episodes I

994
00:40:44,929 --> 00:40:48,969
think well thank you glad you liked it

995
00:40:46,219 --> 00:40:52,519
so what's what would be the ideal

996
00:40:48,969 --> 00:40:54,409
adventure / mystery / investigation for

997
00:40:52,519 --> 00:40:56,059
you what if someone came and gave you a

998

00:40:54,409 --> 00:40:58,460
blank check and said please investigate

999
00:40:56,059 --> 00:40:58,759
the mystery of your choice what would it

1000
00:40:58,460 --> 00:41:02,210
be

1001
00:40:58,760 --> 00:41:03,260
mmm you know up until very recently my

1002
00:41:02,210 --> 00:41:05,449
answer would have been the beasts of

1003
00:41:03,260 --> 00:41:08,710
Javad on which is the this this

1004
00:41:05,449 --> 00:41:11,629
mysterious thing that that killed

1005
00:41:08,710 --> 00:41:15,380
peasants in seventeen hundreds france

1006
00:41:11,630 --> 00:41:19,550
southern france and it was very strange

1007
00:41:15,380 --> 00:41:21,740
case Brian knows about it that for many

1008
00:41:19,550 --> 00:41:25,220
years that was my that was my sort of

1009
00:41:21,739 --> 00:41:28,369
wish list investigation unfortunately or

1010
00:41:25,219 --> 00:41:31,909
rather fortunately before I could get to

1011
00:41:28,369 --> 00:41:33,679
it another author j smith i believe is

1012
00:41:31,909 --> 00:41:34,969

his name wrote an excellent what i

1013

00:41:33,679 --> 00:41:37,969
considered be the definitive book

1014

00:41:34,969 --> 00:41:39,529
solving that mystery yeah the the book

1015

00:41:37,969 --> 00:41:43,159
is called the monsters of the vivid on

1016

00:41:39,530 --> 00:41:44,690
and it's a brilliant book I just very

1017

00:41:43,159 --> 00:41:48,529
well done well researched and he

1018

00:41:44,690 --> 00:41:50,090
basically solved the mystery and so we

1019

00:41:48,530 --> 00:41:51,620
actually interviewed him on a monster

1020

00:41:50,090 --> 00:41:53,000
talk show and I was kind of please could

1021

00:41:51,619 --> 00:41:55,039
you actually read my super copper book

1022

00:41:53,000 --> 00:41:57,349
this phase like I read your book I read

1023

00:41:55,039 --> 00:41:59,170
your book dude this is cool does a lot

1024

00:41:57,349 --> 00:42:02,509
of visual tickled n Avenue has been

1025

00:41:59,170 --> 00:42:07,579
closed off yes yes oh yeah also be

1026

00:42:02,510 --> 00:42:09,560
sickening the second one would be ah you

1027
00:42:07,579 --> 00:42:13,940
know there's so many great mysteries out

1028
00:42:09,559 --> 00:42:17,090
there oh you know God um lost

1029
00:42:13,940 --> 00:42:18,409
civilizations yeah I mean maybe I'm

1030
00:42:17,090 --> 00:42:19,760
trying to think is something that you

1031
00:42:18,409 --> 00:42:21,379
know I try to do mysteries that haven't

1032
00:42:19,760 --> 00:42:23,360
been done to death you know that's

1033
00:42:21,380 --> 00:42:24,920
pretty tough well it is you sort of cope

1034
00:42:23,360 --> 00:42:30,170
with new stuff because I was just

1035
00:42:24,920 --> 00:42:32,869
retreading the same old yeah um to

1036
00:42:30,170 --> 00:42:35,000
be honest you know so here's your chance

1037
00:42:32,869 --> 00:42:37,190
to write to Ben Radford yeah give me a

1038
00:42:35,000 --> 00:42:38,659
suggestion we didn't to suggestion yeah

1039
00:42:37,190 --> 00:42:40,610
I you know there there's this there's

1040
00:42:38,659 --> 00:42:44,179
something you probably I would tackle

1041
00:42:40,610 --> 00:42:46,070
some of the old ghost photos Blake Smith

1042
00:42:44,179 --> 00:42:48,139
and I have done that on occasion we'll

1043
00:42:46,070 --> 00:42:49,910
tackle some classic ghost photos Blake

1044
00:42:48,139 --> 00:42:51,859
to the excellent piece on what's the

1045
00:42:49,909 --> 00:42:53,719
ones of the two faces and the in the in

1046
00:42:51,860 --> 00:42:56,240
the ocean yeah yeah that you think yeah

1047
00:42:53,719 --> 00:42:58,039
okay I'm sure listen is dead that one

1048
00:42:56,239 --> 00:42:59,869
too yeah yeah I know that was sailors

1049
00:42:58,039 --> 00:43:01,309
lost to Jay is our yeah and he did a

1050
00:42:59,869 --> 00:43:02,329
great job on that one and he and I have

1051
00:43:01,309 --> 00:43:04,489
collaborate on a couple other ones so

1052
00:43:02,329 --> 00:43:06,429
probably the answer your question is I

1053
00:43:04,489 --> 00:43:09,750
would go back to look at some of the

1054
00:43:06,429 --> 00:43:12,179
some of the unsolved

1055

00:43:09,750 --> 00:43:14,880
classic ghost photographs raynham hall

1056
00:43:12,179 --> 00:43:15,869
things like that I mean there's been not

1057
00:43:14,880 --> 00:43:17,430
that they're told you unsolved there's

1058
00:43:15,869 --> 00:43:18,960
been explanations but sometimes it's

1059
00:43:17,429 --> 00:43:22,049
good sort of take it a fresh pair of

1060
00:43:18,960 --> 00:43:25,380
eyes if you had both of you sow the

1061
00:43:22,050 --> 00:43:28,350
event if you had a time machine and the

1062
00:43:25,380 --> 00:43:31,680
idea was that you could go back and be

1063
00:43:28,349 --> 00:43:33,630
like the Invisible holograph not

1064
00:43:31,679 --> 00:43:37,279
interfering but a witness to an event in

1065
00:43:33,630 --> 00:43:40,500
history what would you like to see I

1066
00:43:37,280 --> 00:43:42,210
would like to see uh would it be a

1067
00:43:40,500 --> 00:43:44,840
mystery would it be a famous historical

1068
00:43:42,210 --> 00:43:47,480
I would like to see Sir Richard Burton

1069
00:43:44,840 --> 00:43:49,530

looking for the source of the Nile hmm

1070

00:43:47,480 --> 00:43:51,210

searching for the Nile add the source of

1071

00:43:49,530 --> 00:43:54,090

the Nile yeah the sources that I've

1072

00:43:51,210 --> 00:43:57,420

always been a big admirer of some of the

1073

00:43:54,090 --> 00:43:59,250

Victorian era explorers and Sir Richard

1074

00:43:57,420 --> 00:44:02,639

Burton has always been a personal hero

1075

00:43:59,250 --> 00:44:04,019

of mine and just the dig this actually

1076

00:44:02,639 --> 00:44:06,690

did it with joy hanning speke and all

1077

00:44:04,019 --> 00:44:10,259

that so I thought you'd say I'd want to

1078

00:44:06,690 --> 00:44:12,269

be there on the grassy in the hole no no

1079

00:44:10,260 --> 00:44:14,820

you know honestly I think it all ties in

1080

00:44:12,269 --> 00:44:17,009

with me because I the the common thread

1081

00:44:14,820 --> 00:44:19,019

to me is exploration and the gaining of

1082

00:44:17,010 --> 00:44:22,200

knowledge and so whether it's like a

1083

00:44:19,019 --> 00:44:23,550

conspiracy thing or just you learning

1084
00:44:22,199 --> 00:44:25,859
something that nobody's figured out

1085
00:44:23,550 --> 00:44:27,630
before so that's that's probably what I

1086
00:44:25,860 --> 00:44:28,860
would do what about you mr. Dunning well

1087
00:44:27,630 --> 00:44:30,539
you know it's interesting you mentioned

1088
00:44:28,860 --> 00:44:32,880
the grassy knoll because you know you

1089
00:44:30,539 --> 00:44:34,590
kind of jumped to thinking what are some

1090
00:44:32,880 --> 00:44:36,570
of these great sort of skeptical

1091
00:44:34,590 --> 00:44:39,120
mysteries yeah yeah yeah skeptical

1092
00:44:36,570 --> 00:44:40,740
topics and the thing is that nothing

1093
00:44:39,119 --> 00:44:42,029
really happened at anything it's like if

1094
00:44:40,739 --> 00:44:43,619
you go to a hotel that's supposed to be

1095
00:44:42,030 --> 00:44:46,170
haunted with your video camera what are

1096
00:44:43,619 --> 00:44:48,599
you gonna get video nothing yeah so I i

1097
00:44:46,170 --> 00:44:49,950
think what what's something that's

1098
00:44:48,599 --> 00:44:52,860
always fascinated me that i know is a

1099
00:44:49,949 --> 00:44:56,159
real event that i'd like to see was in

1100
00:44:52,860 --> 00:44:57,900
the very early days of the formation of

1101
00:44:56,159 --> 00:44:59,579
the earth and i think we're talking

1102
00:44:57,900 --> 00:45:03,570
about somewhere about halfway through

1103
00:44:59,579 --> 00:45:06,389
its history when the tides were at their

1104
00:45:03,570 --> 00:45:09,120
highest when the moon was at its closest

1105
00:45:06,389 --> 00:45:11,639
orbiting the fastest yeah and we had

1106
00:45:09,119 --> 00:45:14,400
oceans and the tides were the highest

1107
00:45:11,639 --> 00:45:16,589
that they've ever been and i've heard

1108
00:45:14,400 --> 00:45:17,910
varying reports that these tides might

1109
00:45:16,590 --> 00:45:20,910
have been in the hundreds of feet

1110
00:45:17,909 --> 00:45:22,098
possibly even thousands of feet huge

1111
00:45:20,909 --> 00:45:24,139
walls of white

1112

00:45:22,099 --> 00:45:27,140
water crashing across continents and

1113
00:45:24,139 --> 00:45:29,960
things and I'd like to see whatever the

1114
00:45:27,139 --> 00:45:32,719
height of that actually was and see what

1115
00:45:29,960 --> 00:45:34,159
that actually looked like for real well

1116
00:45:32,719 --> 00:45:35,738
if Brian's gonna come with that good

1117
00:45:34,159 --> 00:45:38,838
answer then I'm going to change mine

1118
00:45:35,739 --> 00:45:40,548
mine Tom gusta how about his business no

1119
00:45:38,838 --> 00:45:43,489
no I know I know I would want to be

1120
00:45:40,548 --> 00:45:47,059
there for the 1967 patterson-gimlin we

1121
00:45:43,489 --> 00:45:50,088
put film yeah I want to be there when

1122
00:45:47,059 --> 00:45:51,769
Roger Patterson Bob Gimlin get off their

1123
00:45:50,088 --> 00:45:54,409
get off their horses in bluff creek

1124
00:45:51,768 --> 00:45:55,969
california of the suit and i just want

1125
00:45:54,409 --> 00:45:58,699
to sit there in the back and say all

1126
00:45:55,969 --> 00:46:00,919

right let's see who's in the suit what

1127

00:45:58,699 --> 00:46:03,348

does he do to that would be my answer is

1128

00:46:00,920 --> 00:46:07,548

the out why do I want to be there for

1129

00:46:03,349 --> 00:46:09,528

the 1967 patterson-gimlin Bigfoot film

1130

00:46:07,548 --> 00:46:12,528

just because it's so it's so

1131

00:46:09,528 --> 00:46:14,539

controversial and heels to the eating to

1132

00:46:12,528 --> 00:46:17,420

this day and it's I mean it's pretty

1133

00:46:14,539 --> 00:46:19,430

clearly a hoax but but it's one of the

1134

00:46:17,420 --> 00:46:20,869

things for nailing the conclusive

1135

00:46:19,429 --> 00:46:23,088

evidence for it it's so difficult

1136

00:46:20,869 --> 00:46:25,099

because it's been so long and and so I

1137

00:46:23,088 --> 00:46:26,389

out that's that would be my other answer

1138

00:46:25,099 --> 00:46:28,489

would be I don't want to be there just

1139

00:46:26,389 --> 00:46:31,159

to just to sit back and just see this

1140

00:46:28,489 --> 00:46:32,869

whole thing unfold say right you know

1141
00:46:31,159 --> 00:46:34,699
what I what I love about that answer is

1142
00:46:32,869 --> 00:46:37,430
because I I've said this before so I

1143
00:46:34,699 --> 00:46:39,018
don't care if i sell if it's sounds of

1144
00:46:37,429 --> 00:46:40,368
embarrassing right you just just be

1145
00:46:39,018 --> 00:46:41,959
clear brian has never been afraid to

1146
00:46:40,369 --> 00:46:44,568
embarrass himself no that's something

1147
00:46:41,960 --> 00:46:47,690
that I appreciate about him I've always

1148
00:46:44,568 --> 00:46:51,619
said that the patterson-gimlin Bigfoot

1149
00:46:47,690 --> 00:46:53,659
film looks very real and I think the

1150
00:46:51,619 --> 00:46:54,979
historical evidence is clear that it's a

1151
00:46:53,659 --> 00:46:56,899
hoax yeah I think there's any question

1152
00:46:54,978 --> 00:46:59,568
about that but I think it's one of the

1153
00:46:56,900 --> 00:47:01,400
most brilliantly effective hoaxes ever

1154
00:46:59,568 --> 00:47:03,889
because to me that looks like a real

1155
00:47:01,400 --> 00:47:06,170
animal yeah yeah I've inverse

1156
00:47:03,889 --> 00:47:08,358
correlation between the the quality of

1157
00:47:06,170 --> 00:47:10,759
the film and how convincing it is he you

1158
00:47:08,358 --> 00:47:13,460
see the same thing with with UFO videos

1159
00:47:10,759 --> 00:47:16,309
where the clearer it is the the more

1160
00:47:13,460 --> 00:47:18,079
obvious it is not UFO well there you got

1161
00:47:16,309 --> 00:47:19,670
now folks at home what would you go back

1162
00:47:18,079 --> 00:47:21,380
if you had a time machine and you could

1163
00:47:19,670 --> 00:47:23,568
witness something would you go back to

1164
00:47:21,380 --> 00:47:25,249
Israel and see a certain young magician

1165
00:47:23,568 --> 00:47:28,579
learn his trade I wonder would that be

1166
00:47:25,248 --> 00:47:30,409
the way to do it would you would you go

1167
00:47:28,579 --> 00:47:32,600
and see one of Harry Houdini zacks i

1168
00:47:30,409 --> 00:47:33,829
would i would ya

1169

00:47:32,599 --> 00:47:35,650
that's until that's the good of this

1170
00:47:33,829 --> 00:47:38,569
that's not a good even though that's not

1171
00:47:35,650 --> 00:47:40,940
strictly nobody but it's part of our

1172
00:47:38,570 --> 00:47:42,710
history yeah we are so good he said and

1173
00:47:40,940 --> 00:47:45,139
yah oh yah would love to I would love to

1174
00:47:42,710 --> 00:47:47,570
be in one of those in one of those

1175
00:47:45,139 --> 00:47:49,519
seance rooms when Houdini bossed us oh

1176
00:47:47,570 --> 00:47:52,780
yeah that would because just so they're

1177
00:47:49,519 --> 00:47:55,730
just watch watch the master magician

1178
00:47:52,780 --> 00:47:58,310
Yalies yeah that's just zeroing in on

1179
00:47:55,730 --> 00:48:00,260
these on these these cheap tricks and

1180
00:47:58,309 --> 00:48:02,029
Buster and bust them that would be so

1181
00:48:00,260 --> 00:48:03,320
that would be so great oh maybe our

1182
00:48:02,030 --> 00:48:04,670
listeners would like to come here and

1183
00:48:03,320 --> 00:48:06,440

join us for this dinner we're having

1184

00:48:04,670 --> 00:48:08,630

tonight because when they hear this this

1185

00:48:06,440 --> 00:48:10,190

will be in the past yes that's true no I

1186

00:48:08,630 --> 00:48:13,070

don't see it even I'm sure they're here

1187

00:48:10,190 --> 00:48:15,019

in spirit Ben Radford thank you Brian

1188

00:48:13,070 --> 00:48:17,059

Dunning thank you why don't we join the

1189

00:48:15,019 --> 00:48:27,409

rest of our body in the finish I had

1190

00:48:17,059 --> 00:48:29,570

dinner let's do something it never ends

1191

00:48:27,409 --> 00:48:31,639

a friend starts talking about his new

1192

00:48:29,570 --> 00:48:34,309

reiki master and someone else just

1193

00:48:31,639 --> 00:48:36,139

posted about another all-natural cancer

1194

00:48:34,309 --> 00:48:36,739

cure that they don't want you to know

1195

00:48:36,139 --> 00:48:38,690

about

1196

00:48:36,739 --> 00:48:40,459

as skeptics we spend a lot of time

1197

00:48:38,690 --> 00:48:42,500

trying to educate and protect those

1198
00:48:40,460 --> 00:48:44,900
around us but there is a way that you

1199
00:48:42,500 --> 00:48:47,480
can reach millions guerrilla skepticism

1200
00:48:44,900 --> 00:48:49,280
on Wikipedia is a group working to keep

1201
00:48:47,480 --> 00:48:52,340
the best skeptical information in

1202
00:48:49,280 --> 00:48:56,000
everyone's fingertips join us we need

1203
00:48:52,340 --> 00:48:59,329
writers editors translators we need you

1204
00:48:56,000 --> 00:49:01,489
you join us or find out more send a

1205
00:48:59,329 --> 00:49:05,139
facebook friend request to Susan Berbick

1206
00:49:01,489 --> 00:49:09,129
that's ger be icy guerrilla skepticism

1207
00:49:05,139 --> 00:49:09,129
the time is now

1208
00:49:11,739 --> 00:49:19,169
here's my not spooky action at the

1209
00:49:16,690 --> 00:49:19,170
distance

1210
00:49:22,900 --> 00:49:27,318
on the phone I have someone who

1211
00:49:25,099 --> 00:49:29,630
contacted me saying hey Maynard you must

1212
00:49:27,318 --> 00:49:32,298
be into Aeronautics and you'll certainly

1213
00:49:29,630 --> 00:49:34,160
into Aeronautics out llamarlo yes I am

1214
00:49:32,298 --> 00:49:37,489
and what did you contact me in the first

1215
00:49:34,159 --> 00:49:39,318
place well um I'm interested in

1216
00:49:37,489 --> 00:49:43,909
aeronautics I was in the space program

1217
00:49:39,318 --> 00:49:46,880
for the majority of my career and I'm a

1218
00:49:43,909 --> 00:49:50,389
skeptic you certainly are in fact you're

1219
00:49:46,880 --> 00:49:52,369
really into helping retired people that

1220
00:49:50,389 --> 00:49:56,298
expand their critical thinking skills

1221
00:49:52,369 --> 00:50:00,499
that what are you into yes I am and but

1222
00:49:56,298 --> 00:50:02,719
also to young people as well and malo

1223
00:50:00,498 --> 00:50:04,308
actually what will you how long will you

1224
00:50:02,719 --> 00:50:07,458
at NASA and what were you involved in I

1225
00:50:04,309 --> 00:50:09,680
believe you were involved in Apollo yes

1226

00:50:07,458 --> 00:50:12,348
it were actually I date back to the

1227
00:50:09,679 --> 00:50:14,808
original man in space program project

1228
00:50:12,349 --> 00:50:18,499
mercury mercury that means you're also

1229
00:50:14,809 --> 00:50:22,099
involved in Gemini as well yes I was had

1230
00:50:18,498 --> 00:50:24,439
major responsibilities in Gemini was it

1231
00:50:22,099 --> 00:50:26,209
exactly like Larry Hagman and I Dream of

1232
00:50:24,440 --> 00:50:28,849
Jeannie is that exactly what it was like

1233
00:50:26,208 --> 00:50:32,618
at NASA during that time I don't think

1234
00:50:28,849 --> 00:50:36,890
so i think that was a total

1235
00:50:32,619 --> 00:50:39,108
misrepresentation starting off with we

1236
00:50:36,889 --> 00:50:43,098
had a number of military officers

1237
00:50:39,108 --> 00:50:45,798
working with us the original seven

1238
00:50:43,099 --> 00:50:49,278
mercury astronauts were all military

1239
00:50:45,798 --> 00:50:52,009
officers I never saw them once in their

1240
00:50:49,278 --> 00:50:54,588

military uniforms was the culture of

1241

00:50:52,009 --> 00:50:56,208

being an astronaut a little bit like the

1242

00:50:54,588 --> 00:50:58,009

Larry Hagman thinking that they had the

1243

00:50:56,208 --> 00:51:02,568

big convertible car and they were very

1244

00:50:58,009 --> 00:51:06,039

very extroverted people yes that part is

1245

00:51:02,568 --> 00:51:09,079

pretty good representation of the

1246

00:51:06,039 --> 00:51:11,449

original astronauts at plus the second

1247

00:51:09,079 --> 00:51:13,818

group and and further because I imagine

1248

00:51:11,449 --> 00:51:17,028

it would have been a very technically

1249

00:51:13,818 --> 00:51:19,818

intense time but was it a relaxed

1250

00:51:17,028 --> 00:51:21,259

culture or was it a fairly regimented

1251

00:51:19,818 --> 00:51:22,969

culture because you really had this

1252

00:51:21,259 --> 00:51:25,789

important job to do and you are on the

1253

00:51:22,969 --> 00:51:27,798

edge of engineering at that time I think

1254

00:51:25,789 --> 00:51:32,359

it was more of the latter because we

1255
00:51:27,798 --> 00:51:32,929
were in a head-to-head race with the

1256
00:51:32,358 --> 00:51:36,259
Soviet

1257
00:51:32,929 --> 00:51:41,108
Union and you also have to remember the

1258
00:51:36,260 --> 00:51:46,780
culture in the in the 50s and 60s was

1259
00:51:41,108 --> 00:51:50,869
difficult time engineering-wise with the

1260
00:51:46,780 --> 00:51:53,119
arms race yeah there was some relaxed

1261
00:51:50,869 --> 00:51:55,550
culture but it was a pretty intense time

1262
00:51:53,119 --> 00:51:57,710
I guess it is easy to forget this

1263
00:51:55,550 --> 00:52:00,170
distance from the Cold War what the

1264
00:51:57,710 --> 00:52:02,210
threat was thought to be at the time and

1265
00:52:00,170 --> 00:52:06,409
what area were you working in at NASA

1266
00:52:02,210 --> 00:52:09,559
malo well I started off actually with

1267
00:52:06,409 --> 00:52:12,769
the predecessor to NASA an organization

1268
00:52:09,559 --> 00:52:16,430
called naca national advisory committee

1269
00:52:12,769 --> 00:52:21,159
for aeronautics NACA if you know anybody

1270
00:52:16,429 --> 00:52:24,409
in aviation NACA was the premier auto

1271
00:52:21,159 --> 00:52:27,980
aeronautical research organization and

1272
00:52:24,409 --> 00:52:31,279
then after the launch of Sputnik which

1273
00:52:27,980 --> 00:52:34,369
happened in President Eisenhower's

1274
00:52:31,280 --> 00:52:36,440
administration he enacted something

1275
00:52:34,369 --> 00:52:41,180
called the National Space Act in the

1276
00:52:36,440 --> 00:52:44,929
United States which formed NASA and the

1277
00:52:41,179 --> 00:52:50,480
organization that I was working for NACA

1278
00:52:44,929 --> 00:52:53,899
in in Virginia became the core group for

1279
00:52:50,480 --> 00:52:56,298
NASA and manned spaceflight because a

1280
00:52:53,900 --> 00:52:58,789
great deal is made about how America

1281
00:52:56,298 --> 00:53:01,280
felt when Sputnik was launched it was a

1282
00:52:58,789 --> 00:53:03,019
feeling of shame or a feeling of we've

1283

00:53:01,280 --> 00:53:06,170
really got to catch up fast what was the

1284
00:53:03,019 --> 00:53:08,869
exact emotion I think it was some of

1285
00:53:06,170 --> 00:53:12,139
that and also terror we always thought

1286
00:53:08,869 --> 00:53:16,640
the Soviet Union was behind us in terms

1287
00:53:12,139 --> 00:53:20,389
of technological superiority launching

1288
00:53:16,639 --> 00:53:23,568
sputnik was not only a psychological

1289
00:53:20,389 --> 00:53:27,108
downer for us but it really showed the

1290
00:53:23,568 --> 00:53:30,558
rest of the world the developing world

1291
00:53:27,108 --> 00:53:32,630
that hey maybe the communist system of

1292
00:53:30,559 --> 00:53:35,359
government is better than the capitalist

1293
00:53:32,630 --> 00:53:37,430
and as far as critical thinking guys and

1294
00:53:35,358 --> 00:53:40,608
skepticism that they think that goes

1295
00:53:37,429 --> 00:53:42,019
hand in hand with being an engineer and

1296
00:53:40,608 --> 00:53:44,119
to have that training or do you think

1297
00:53:42,019 --> 00:53:46,759

they still engineers still have that

1298

00:53:44,119 --> 00:53:48,470

little bit of luck and a bit of crushed

1299

00:53:46,760 --> 00:53:50,090

fingers kind of thing that goes on with

1300

00:53:48,469 --> 00:53:51,739

some things there is a little bit of

1301

00:53:50,090 --> 00:53:54,620

whoo that can creep in from time to time

1302

00:53:51,739 --> 00:53:57,889

do you think I never saw you happening

1303

00:53:54,619 --> 00:54:00,380

you know i'll give you the get asked you

1304

00:53:57,889 --> 00:54:03,859

the question would you get on an

1305

00:54:00,380 --> 00:54:07,329

airplane as a commercial airliner that

1306

00:54:03,860 --> 00:54:11,870

wasn't designed and developed using

1307

00:54:07,329 --> 00:54:14,750

critical well researched engineering

1308

00:54:11,869 --> 00:54:18,289

principles or would you want to have

1309

00:54:14,750 --> 00:54:21,199

something that had has the psychic

1310

00:54:18,289 --> 00:54:23,300

hotline involved in it that's a very

1311

00:54:21,199 --> 00:54:29,019

good question marlo and the answer is i

1312
00:54:23,300 --> 00:54:31,010
don't think so right and with all the

1313
00:54:29,019 --> 00:54:32,690
projects you're involved in of course

1314
00:54:31,010 --> 00:54:35,480
you mentioned mercury and then there was

1315
00:54:32,690 --> 00:54:37,220
gemini and apollo to just recently I

1316
00:54:35,480 --> 00:54:40,070
seem to been very fascinated with the

1317
00:54:37,219 --> 00:54:41,539
Apollo 7 mission which was the last one

1318
00:54:40,070 --> 00:54:43,640
around the earth where they were testing

1319
00:54:41,539 --> 00:54:45,949
a lot of things before Apollo 8 went and

1320
00:54:43,639 --> 00:54:47,989
circuited the moon and i found that

1321
00:54:45,949 --> 00:54:50,569
mission very interesting because two of

1322
00:54:47,989 --> 00:54:51,919
the astronauts on that during their few

1323
00:54:50,570 --> 00:54:53,900
days that they were up there got very

1324
00:54:51,920 --> 00:54:56,269
snippy with master control and never

1325
00:54:53,900 --> 00:54:57,619
uses astronauts again and I think they

1326
00:54:56,269 --> 00:55:00,079
learned a lot in that mission and that

1327
00:54:57,619 --> 00:55:01,730
mission tends to be forgotten uh that's

1328
00:55:00,079 --> 00:55:05,299
that's a good point you're making

1329
00:55:01,730 --> 00:55:08,300
there's another thing that we learned we

1330
00:55:05,300 --> 00:55:13,280
ran into a medical problem that we never

1331
00:55:08,300 --> 00:55:16,460
had before in mercury and Gemini is that

1332
00:55:13,280 --> 00:55:19,820
mercury was a tiny tiny capsule that you

1333
00:55:16,460 --> 00:55:22,760
had a shoehorn the astronaut in Gemini

1334
00:55:19,820 --> 00:55:26,210
was not really much better it was able

1335
00:55:22,760 --> 00:55:29,030
to fold two astronauts but they too were

1336
00:55:26,210 --> 00:55:32,449
in rather cramped space but in Apollo

1337
00:55:29,030 --> 00:55:36,800
you've got this spacious big spaceship

1338
00:55:32,449 --> 00:55:40,069
and lo and behold we found out that they

1339
00:55:36,800 --> 00:55:43,370
had something they called SAS space

1340

00:55:40,070 --> 00:55:46,039
adaptation syndrome which is the same

1341
00:55:43,369 --> 00:55:48,049
thing as seasickness now is this

1342
00:55:46,039 --> 00:55:50,059
particularly because the inner ear

1343
00:55:48,050 --> 00:55:51,950
because it's got this area to roam

1344
00:55:50,059 --> 00:55:54,400
around in it can't work out what's up

1345
00:55:51,949 --> 00:55:57,829
and down and that causes a confusion I

1346
00:55:54,400 --> 00:56:00,139
believe that it is one of the ideas that

1347
00:55:57,829 --> 00:56:02,840
they they've uh

1348
00:56:00,139 --> 00:56:07,699
too but again I don't think the science

1349
00:56:02,840 --> 00:56:09,410
has really been well investigated but it

1350
00:56:07,699 --> 00:56:12,799
seemed like we didn't have this problem

1351
00:56:09,409 --> 00:56:16,129
for many hours of spaceflight on the two

1352
00:56:12,800 --> 00:56:19,820
previous programs but Apollo especially

1353
00:56:16,130 --> 00:56:22,880
Apollo 7 and and someone on Apollo 8 and

1354
00:56:19,820 --> 00:56:25,970

the other thing that gets confused in

1355

00:56:22,880 --> 00:56:28,670

all this is the astronauts really want

1356

00:56:25,969 --> 00:56:32,659

to believe they're super human and so

1357

00:56:28,670 --> 00:56:36,110

when they start getting ill or or air

1358

00:56:32,659 --> 00:56:38,480

sick or what if your artistic um they're

1359

00:56:36,110 --> 00:56:42,710

not too forthcoming and saying hey guys

1360

00:56:38,480 --> 00:56:46,369

I'm I'm sick today don't have me do

1361

00:56:42,710 --> 00:56:48,530

anything this is a typical of test

1362

00:56:46,369 --> 00:56:51,440

pilots and astronauts do you think by

1363

00:56:48,530 --> 00:56:53,480

drawing from scientists rather than test

1364

00:56:51,440 --> 00:56:55,250

pilots and a few of the astronauts that

1365

00:56:53,480 --> 00:56:56,869

went to the moon where actual scientists

1366

00:56:55,250 --> 00:56:58,690

rather than that it's a different type

1367

00:56:56,869 --> 00:57:02,809

of person you get a different result

1368

00:56:58,690 --> 00:57:05,030

well um no I don't think that's been our

1369
00:57:02,809 --> 00:57:08,960
experience for example the worst case of

1370
00:57:05,030 --> 00:57:12,530
this was on the Apollo mission that

1371
00:57:08,960 --> 00:57:15,170
rusty Schweickart blue he got violently

1372
00:57:12,530 --> 00:57:20,690
ill he was basically out of commission

1373
00:57:15,170 --> 00:57:23,690
for a over a day instead and he was just

1374
00:57:20,690 --> 00:57:28,190
really terrible sickness and it was from

1375
00:57:23,690 --> 00:57:29,570
vertigo like sensation inner ear and so

1376
00:57:28,190 --> 00:57:31,820
forth Emma's it was that because he

1377
00:57:29,570 --> 00:57:35,000
didn't have a background as a pilot as

1378
00:57:31,820 --> 00:57:37,760
much as that was was I I don't know

1379
00:57:35,000 --> 00:57:42,070
whether we can attribute that to to his

1380
00:57:37,760 --> 00:57:46,520
problem or not I was not really in the

1381
00:57:42,070 --> 00:57:50,000
arrow medicine just you know sitting in

1382
00:57:46,519 --> 00:57:52,460
meetings and and being concerned about

1383
00:57:50,000 --> 00:57:54,949
it for the flight operations part of it

1384
00:57:52,460 --> 00:57:58,670
yes what actual area of the program were

1385
00:57:54,949 --> 00:58:02,569
you working in okay I started off in

1386
00:57:58,670 --> 00:58:04,730
mercury being assigned to the Atlas

1387
00:58:02,570 --> 00:58:08,000
launch vehicle that was pushing them

1388
00:58:04,730 --> 00:58:11,210
into Earth orbit I did the calculations

1389
00:58:08,000 --> 00:58:13,849
on the performance of the Atlas vs.

1390
00:58:11,210 --> 00:58:16,369
pushing up the spacecraft weed

1391
00:58:13,849 --> 00:58:19,670
into orbit and it really becomes quite a

1392
00:58:16,369 --> 00:58:22,460
probability game and I would brief the

1393
00:58:19,670 --> 00:58:26,630
crews and and management before each

1394
00:58:22,460 --> 00:58:30,099
mercury Floyd also we would give I was

1395
00:58:26,630 --> 00:58:33,349
served Eleison between ourselves and

1396
00:58:30,099 --> 00:58:36,259
NASA and the Air Force who had the Atlas

1397

00:58:33,349 --> 00:58:38,569
rocket so they were responsible for that

1398
00:58:36,260 --> 00:58:42,410
and I was responsible for tying it all

1399
00:58:38,570 --> 00:58:44,750
together and I was in my 20s when all

1400
00:58:42,409 --> 00:58:48,109
this was going on there must have been

1401
00:58:44,750 --> 00:58:51,940
so exciting it was it indeed it was

1402
00:58:48,110 --> 00:58:56,000
really was in amongst all this the

1403
00:58:51,940 --> 00:58:59,329
announcement of President Kennedy that

1404
00:58:56,000 --> 00:59:01,699
we were going to the moon was another

1405
00:58:59,329 --> 00:59:04,429
excitement on top of it and I found out

1406
00:59:01,699 --> 00:59:07,159
after I transferred over from the

1407
00:59:04,429 --> 00:59:08,659
Aeronautics side to the space side that

1408
00:59:07,159 --> 00:59:12,049
we were going to go to a new Space

1409
00:59:08,659 --> 00:59:14,059
Center and I just I have to ask you

1410
00:59:12,050 --> 00:59:16,640
something that Marlo Cassetti with your

1411
00:59:14,059 --> 00:59:18,349

experience at NASA when President

1412

00:59:16,639 --> 00:59:20,089

Kennedy made that announcement I've

1413

00:59:18,349 --> 00:59:21,829

watched that piece of footage a number

1414

00:59:20,090 --> 00:59:23,600

of times have all seen it on various sir

1415

00:59:21,829 --> 00:59:26,809

and he made that speech more than once

1416

00:59:23,599 --> 00:59:28,309

there is one that a very fairly public

1417

00:59:26,809 --> 00:59:30,230

speech and if you look behind him and

1418

00:59:28,309 --> 00:59:33,710

just to the right there's Vice President

1419

00:59:30,230 --> 00:59:35,179

Johnson & Johnson's got his hand against

1420

00:59:33,710 --> 00:59:38,539

the side of his head and you can almost

1421

00:59:35,179 --> 00:59:40,909

see him saying here we go again Jack's

1422

00:59:38,539 --> 00:59:42,800

coming up with one of these weird plans

1423

00:59:40,909 --> 00:59:45,920

it's he's got that look on his face like

1424

00:59:42,800 --> 00:59:47,870

what is he getting us into and I urge

1425

00:59:45,920 --> 00:59:49,610

people to have a look at that whatever

1426
00:59:47,869 --> 00:59:51,019
you see Kennedy giving the speech just

1427
00:59:49,610 --> 00:59:52,820
to the ride have a look at John's and he

1428
00:59:51,019 --> 00:59:54,860
looks like a boy this is going to cost a

1429
00:59:52,820 --> 00:59:56,300
lot of money well the interesting thing

1430
00:59:54,860 --> 00:59:58,039
about that I know that I know the

1431
00:59:56,300 --> 01:00:01,120
footage you're talking about it i've

1432
00:59:58,039 --> 01:00:03,889
i've gotten a laugh out of that too but

1433
01:00:01,119 --> 01:00:06,349
from all accounts of the Kennedy

1434
01:00:03,889 --> 01:00:08,779
administration Vice President Johnson

1435
01:00:06,349 --> 01:00:11,630
was kind of shuffled off to the side he

1436
01:00:08,780 --> 01:00:16,580
wasn't involved in the in the Bay of

1437
01:00:11,630 --> 01:00:19,640
Pigs fiasco or the Cuban Missile Crisis

1438
01:00:16,579 --> 01:00:22,219
and so forth and so on but he was

1439
01:00:19,639 --> 01:00:25,129
appointed by President Kennedy to be

1440
01:00:22,219 --> 01:00:28,009
head of the president's base Council so

1441
01:00:25,130 --> 01:00:30,710
when the decision to

1442
01:00:28,010 --> 01:00:32,750
to go to a new Space Center to build a

1443
01:00:30,710 --> 01:00:35,510
brand-new Space Center to handle the

1444
01:00:32,750 --> 01:00:37,250
Apollo program and all the innova

1445
01:00:35,510 --> 01:00:39,620
missions leading up to the all the

1446
01:00:37,250 --> 01:00:42,550
programs leading up to it he was

1447
01:00:39,619 --> 01:00:45,409
presented with the top three candidate

1448
01:00:42,550 --> 01:00:48,830
number one was berkeley california

1449
01:00:45,409 --> 01:00:51,319
number two was tampa florida and number

1450
01:00:48,829 --> 01:00:54,139
three was houston texas no this is

1451
01:00:51,320 --> 01:00:56,840
rumored I I can't tell you this is what

1452
01:00:54,139 --> 01:00:59,599
really happened but when the site

1453
01:00:56,840 --> 01:01:02,900
selection committee briefed him on their

1454

01:00:59,599 --> 01:01:06,049
their recommendations he looked at the

1455
01:01:02,900 --> 01:01:09,680
leader of the group and said we're in

1456
01:01:06,050 --> 01:01:12,800
Texas is exactly in Texas is Berkeley

1457
01:01:09,679 --> 01:01:15,799
sexy and of course there's no such thing

1458
01:01:12,800 --> 01:01:17,690
as Berkeley Texas so he went down the

1459
01:01:15,800 --> 01:01:21,500
list and picked Houston well he was a

1460
01:01:17,690 --> 01:01:24,079
proud Texan oil man he was indeed a

1461
01:01:21,500 --> 01:01:28,610
shrewd politician we've probably never

1462
01:01:24,079 --> 01:01:30,860
had as good a political expert is Lyndon

1463
01:01:28,610 --> 01:01:33,530
Johnson for president he could work with

1464
01:01:30,860 --> 01:01:36,079
Congress and the Supreme Court and

1465
01:01:33,530 --> 01:01:39,530
everything else like an expert he could

1466
01:01:36,079 --> 01:01:41,150
play them like a fiddle yeah I I enjoy

1467
01:01:39,530 --> 01:01:42,410
hearing those White House tapes that

1468
01:01:41,150 --> 01:01:44,300

have since been released of his

1469

01:01:42,409 --> 01:01:46,309
conversations but well with the with the

1470

01:01:44,300 --> 01:01:49,070
Kennedys and with some of the civil

1471

01:01:46,309 --> 01:01:50,900
rights people and like yeah he was and

1472

01:01:49,070 --> 01:01:52,550
he he also had a reputation of being a

1473

01:01:50,900 --> 01:01:55,369
bit bit blue with some of the press

1474

01:01:52,550 --> 01:01:58,670
conferences he did as well you bet you

1475

01:01:55,369 --> 01:02:01,730
bet he was he was your typical Texan and

1476

01:01:58,670 --> 01:02:05,050
people don't you gotta live in Texas for

1477

01:02:01,730 --> 01:02:10,360
26 years like I did you really

1478

01:02:05,050 --> 01:02:10,360
appreciate what what Texas is all about

1479

01:02:20,000 --> 01:02:27,710
hey Kenny oh hi Tom I stay at this park

1480

01:02:23,969 --> 01:02:30,119
yeah yes great weather oh look a unicorn

1481

01:02:27,710 --> 01:02:33,300
unicorn there are no such things as

1482

01:02:30,119 --> 01:02:35,489
unicorns silly yes there is no there

1483
01:02:33,300 --> 01:02:37,760
isn't hey guys what are you arguing

1484
01:02:35,489 --> 01:02:40,769
about tom thinks unicorns are real

1485
01:02:37,760 --> 01:02:43,860
thanks so r let's look this up in the

1486
01:02:40,769 --> 01:02:45,630
skeptics dictionary the what how can we

1487
01:02:43,860 --> 01:02:47,309
do this in this park there is no

1488
01:02:45,630 --> 01:02:49,019
computer here you guys probably don't

1489
01:02:47,309 --> 01:02:52,079
know about the skeptics dictionary app

1490
01:02:49,019 --> 01:02:56,009
available now for iPhone iPad and iPod

1491
01:02:52,079 --> 01:02:57,569
touch in the app store Wow cool the app

1492
01:02:56,010 --> 01:02:59,790
lets you access all of the great

1493
01:02:57,570 --> 01:03:02,370
skeptics dictionary articles when you're

1494
01:02:59,789 --> 01:03:05,070
on the go here let me look up unicorns

1495
01:03:02,369 --> 01:03:07,619
now cool Kenny prepare to be proven

1496
01:03:05,070 --> 01:03:11,760
wrong it says here the Unicorn is a

1497
01:03:07,619 --> 01:03:13,019
creature from fables aha actually I see

1498
01:03:11,760 --> 01:03:15,600
now that someone just dumped their ice

1499
01:03:13,019 --> 01:03:19,699
cream cone on that horse's head thanks

1500
01:03:15,599 --> 01:03:19,699
skeptics dictionary iphone app

1501
01:03:20,269 --> 01:03:22,329
you

1502
01:03:29,269 --> 01:03:34,259
thank you for listening to the skeptic

1503
01:03:31,559 --> 01:03:37,199
Sonnen what a mixed bag the skeptic zone

1504
01:03:34,260 --> 01:03:38,910
was today it's one of the things I like

1505
01:03:37,199 --> 01:03:40,919
about the skeptics own you never know

1506
01:03:38,909 --> 01:03:43,049
what you're going to get I never know

1507
01:03:40,920 --> 01:03:45,180
what what you're going to get week to

1508
01:03:43,050 --> 01:03:46,830
week it's a bit of a surprise to me but

1509
01:03:45,179 --> 01:03:49,289
I can tell you one thing coming up in

1510
01:03:46,829 --> 01:03:51,719
the next few weeks more interviews from

1511

01:03:49,289 --> 01:03:53,389
the amazing meeting more information

1512
01:03:51,719 --> 01:03:56,039
about the upcoming Australian skeptics

1513
01:03:53,389 --> 01:03:59,219
National Convention more main ardmore

1514
01:03:56,039 --> 01:04:00,929
dr. Aichi what more could you want and

1515
01:03:59,219 --> 01:04:03,929
again thank you to all those people who

1516
01:04:00,929 --> 01:04:07,769
came up and say hello to me and Joe

1517
01:04:03,929 --> 01:04:09,739
Benna mu at the amazing meeting in Las

1518
01:04:07,769 --> 01:04:11,909
Vegas what a lot of fun that was and

1519
01:04:09,739 --> 01:04:14,869
thank you to the James Randi Educational

1520
01:04:11,909 --> 01:04:17,099
Foundation and especially to DJ Grothe

1521
01:04:14,869 --> 01:04:20,940
always a pleasure to work with you DJ

1522
01:04:17,099 --> 01:04:25,549
and until next week this is Richard

1523
01:04:20,940 --> 01:04:25,550
sona's signing off from Sydney Australia

1524
01:04:27,710 --> 01:04:35,130
you've been listening to the skeptic

1525
01:04:30,119 --> 01:04:38,880

zone visit our website at www.skeptics

1526

01:04:35,130 --> 01:04:41,840

on TV for comments contacts and extra

1527

01:04:38,880 --> 01:04:41,840

video reports

1528

01:04:44,750 --> 01:04:46,780

Oh