

The Skeptic Zone

Show 249 - 28 July 2013



And in
Science

1
00:00:22,390 --> 00:00:09,090
welcome to the skeptic zone the podcast

2
00:00:31,370 --> 00:00:25,179
hello and welcome to the skeptic zone

3
00:00:35,060 --> 00:00:31,380
episode number 249 249 for the 28th of

4
00:00:38,000 --> 00:00:35,070
July 2013 Richard Saunders here with you

5
00:00:40,070 --> 00:00:38,010
back again back again in Sydney

6
00:00:42,259 --> 00:00:40,080
Australia and what a wonderful time I

7
00:00:45,229 --> 00:00:42,269
had visiting the United States

8
00:00:49,040 --> 00:00:45,239
especially visiting the amazing meeting

9
00:00:51,640 --> 00:00:49,050
in Las Vegas are a busy time to be sure

10
00:00:53,900 --> 00:00:51,650
but lots of fun and so interesting and

11
00:00:57,410 --> 00:00:53,910
thank you to all those people who came

12
00:00:59,810 --> 00:00:57,420
up to say hello all those skeptics own

13
00:01:02,779 --> 00:00:59,820

fans I am I was so pleased and touched

14

00:01:07,040 --> 00:01:02,789

to to meet you all it was really great

15

00:01:09,680 --> 00:01:07,050

and yes more than one person commented

16

00:01:11,420 --> 00:01:09,690

on the fact that at the beginning of

17

00:01:14,330 --> 00:01:11,430

every episode of the skeptic sounded and

18

00:01:17,270 --> 00:01:14,340

I'm always racing downstairs to grab

19

00:01:19,540 --> 00:01:17,280

something to eat or drink I'm not really

20

00:01:22,040 --> 00:01:19,550

sure why that started but you know what

21

00:01:26,180 --> 00:01:22,050

we'll see if we can continue that

22

00:01:28,190 --> 00:01:26,190

tradition life life is like a box of

23

00:01:30,260 --> 00:01:28,200

chocolates somebody once said and that's

24

00:01:33,740 --> 00:01:30,270

what the skeptic zone is like this

25

00:01:36,080 --> 00:01:33,750

episode it's a bit of a mixture a mixed

26
00:01:37,729 --> 00:01:36,090
bag you never know what you're going to

27
00:01:39,229 --> 00:01:37,739
get well I'll tell you I'll tell you

28
00:01:41,210 --> 00:01:39,239
what you're getting on this episode of

29
00:01:43,999 --> 00:01:41,220
the skeptics and we're kicking off with

30
00:01:45,889 --> 00:01:44,009
our favorite doctor rachy reports dr.

31
00:01:48,380 --> 00:01:45,899
Reggie reports looks at some of the

32
00:01:51,559 --> 00:01:48,390
ramifications of that TV report and her

33
00:01:55,550 --> 00:01:51,569
efforts to get chiropractors to answer a

34
00:01:57,650 --> 00:01:55,560
very very simple question that's coming

35
00:02:00,680 --> 00:01:57,660
up at the top of the show after that we

36
00:02:04,400 --> 00:02:00,690
have a an interview concerning getting

37
00:02:07,400 --> 00:02:04,410
more science into the mainstream media

38
00:02:13,339 --> 00:02:07,410

what a worthwhile endeavor from the

39

00:02:15,170 --> 00:02:13,349

website www and in science com will find

40

00:02:16,729 --> 00:02:15,180

more about the petition the petition

41

00:02:19,160 --> 00:02:16,739

running to get more science into the

42

00:02:22,339 --> 00:02:19,170

media an interview with Rowan from end

43

00:02:24,710 --> 00:02:22,349

in science coming up a little bit later

44

00:02:26,600 --> 00:02:24,720

in the show and after that it's our good

45

00:02:28,880 --> 00:02:26,610

friend dr. Paul Willis from the Royal

46

00:02:30,410 --> 00:02:28,890

Institution of Australia with the

47

00:02:32,330 --> 00:02:30,420

fill-in segment all about what's

48

00:02:34,550 --> 00:02:32,340

happening in the world of science at the

49

00:02:36,080 --> 00:02:34,560

moment and the good

50

00:02:37,729 --> 00:02:36,090

news is what the better news because

51
00:02:40,400 --> 00:02:37,739
it's always good to have falls on the

52
00:02:43,040 --> 00:02:40,410
show the better news is of course next

53
00:02:46,640 --> 00:02:43,050
week the full blown week in science

54
00:02:49,520 --> 00:02:46,650
returns as if that wasn't enough folks

55
00:02:52,660 --> 00:02:49,530
as if that wasn't enough after that we

56
00:02:55,970 --> 00:02:52,670
have an interview with Ben Radford the

57
00:02:57,589 --> 00:02:55,980
paranormal investigator and joining been

58
00:02:59,860 --> 00:02:57,599
halfway through the interview is none

59
00:03:02,530 --> 00:02:59,870
other than Brian Dunning who sort of

60
00:03:04,970 --> 00:03:02,540
photobombed gatecrashed what's the word

61
00:03:06,530 --> 00:03:04,980
the interview I was having with Ben

62
00:03:10,400 --> 00:03:06,540
Radford but it was all in good fun we're

63
00:03:12,559 --> 00:03:10,410

having dinner in Hollywood been and I've

64

00:03:14,120 --> 00:03:12,569

step aside into a sort of a corridor and

65

00:03:15,890 --> 00:03:14,130

we're having a chat and suddenly Brian

66

00:03:18,259 --> 00:03:15,900

Dunning appeared and that's all coming

67

00:03:20,360 --> 00:03:18,269

up it's a wide-ranging sort of chat

68

00:03:23,089 --> 00:03:20,370

amongst friends I think he'll enjoy it

69

00:03:24,920 --> 00:03:23,099

and then to round off the show well what

70

00:03:28,400 --> 00:03:24,930

skeptic zone would be complete without

71

00:03:30,440 --> 00:03:28,410

maynard's spooky action and this is the

72

00:03:32,390 --> 00:03:30,450

first partner your little series we're

73

00:03:36,110 --> 00:03:32,400

running with Maynard where he talked to

74

00:03:39,500 --> 00:03:36,120

Marlo Cassetti the maloca said he was

75

00:03:41,599 --> 00:03:39,510

instrumental in the early days of NASA I

76

00:03:44,240 --> 00:03:41,609

don't know where Maynard gets these

77

00:03:46,640 --> 00:03:44,250

people from Andy's a skeptic good to

78

00:03:49,130 --> 00:03:46,650

know so in the first part of the

79

00:03:52,910 --> 00:03:49,140

interviews we learn about the early days

80

00:03:55,550 --> 00:03:52,920

of NASA and how accurate was I Dream of

81

00:03:58,759 --> 00:03:55,560

Jeannie only may not can ask these

82

00:04:01,340 --> 00:03:58,769

questions now some messages just before

83

00:04:04,129 --> 00:04:01,350

he get into the show Tony McCaffrey his

84

00:04:10,099 --> 00:04:04,139

daughter Dana sadly died from pertussis

85

00:04:14,000 --> 00:04:10,109

in that 2009 has launched a petition at

86

00:04:17,090 --> 00:04:14,010

change.org whooping cough booster make

87

00:04:19,490 --> 00:04:17,100

it clear make it easy make it affordable

88

00:04:24,050 --> 00:04:19,500

I'll put a link to the show notes but if

89

00:04:26,779 --> 00:04:24,060

you go to change.org and search for

90

00:04:29,480 --> 00:04:26,789

whooping cough booster you'll see that

91

00:04:33,110 --> 00:04:29,490

petition and I certainly I certainly

92

00:04:35,090 --> 00:04:33,120

urge you to support that and and just

93

00:04:37,100 --> 00:04:35,100

before we dive into the skeptic zone

94

00:04:39,020 --> 00:04:37,110

don't forget the Australian skeptics

95

00:04:42,890 --> 00:04:39,030

National Convention is coming up the

96

00:04:46,550 --> 00:04:42,900

22nd to the 24th of November the website

97

00:04:48,860 --> 00:04:46,560

to to run to straightaway straightaway

98

00:04:51,980 --> 00:04:48,870

is national skeptics

99

00:04:54,740 --> 00:04:51,990

convention dot org and don't forget

100

00:04:57,860 --> 00:04:54,750

we'll be announcing the winner of the

101
00:05:00,320 --> 00:04:57,870
Australian skeptics bent spoon award the

102
00:05:02,840 --> 00:05:00,330
National Convention in Canberra 22nd to

103
00:05:04,700 --> 00:05:02,850
the 24th of November and the Canberra

104
00:05:07,370 --> 00:05:04,710
people tell me there are still tickets

105
00:05:08,870 --> 00:05:07,380
left but please don't delay and it will

106
00:05:12,860 --> 00:05:08,880
be really great to see you there the

107
00:05:16,130 --> 00:05:12,870
theme is conspiracy theories well now

108
00:05:19,400 --> 00:05:16,140
it's time for me to run downstairs open

109
00:05:22,730 --> 00:05:19,410
the fridge get out that bottle of lemon

110
00:05:25,400 --> 00:05:22,740
lime and bitters hmm month it's quite

111
00:05:27,950 --> 00:05:25,410
refreshing yes why not lemon lime and

112
00:05:43,890 --> 00:05:27,960
bitters tonight folks while I'm enjoying

113
00:05:51,409 --> 00:05:47,260

now it's time for dr. Rachel reports

114

00:05:57,320 --> 00:05:54,359

hello listeners and welcome to dr. HC

115

00:05:59,909 --> 00:05:57,330

reports well a few Thursday's ago

116

00:06:01,769 --> 00:05:59,919

chiropractors in Australia cop dibala

117

00:06:05,100 --> 00:06:01,779

King on the National Science program

118

00:06:07,469 --> 00:06:05,110

catalyst as dr. Mary Ann Damacy turned a

119

00:06:10,260 --> 00:06:07,479

spotlight on their profession and the

120

00:06:12,749 --> 00:06:10,270

wash-up wasn't pretty what resulted was

121

00:06:15,450 --> 00:06:12,759

examples of quackery infighting between

122

00:06:17,070 --> 00:06:15,460

professional bodies and the revelation

123

00:06:19,200 --> 00:06:17,080

that chiropractic does not have an

124

00:06:21,269 --> 00:06:19,210

adverse event reporting system in

125

00:06:24,089 --> 00:06:21,279

Australia now I want to emphasize that

126
00:06:26,489 --> 00:06:24,099
point because you can often hear the cry

127
00:06:28,739 --> 00:06:26,499
from chiropractors that their profession

128
00:06:31,290 --> 00:06:28,749
is overwhelmingly safe compared to

129
00:06:33,719 --> 00:06:31,300
science-based medicine and this is

130
00:06:35,879 --> 00:06:33,729
usually followed by some straw man about

131
00:06:38,670 --> 00:06:35,889
the numbers of iatrogenic deaths in

132
00:06:40,529 --> 00:06:38,680
science-based medicine but how do they

133
00:06:42,959 --> 00:06:40,539
know their profession is safe if they

134
00:06:46,860 --> 00:06:42,969
don't record adverse events or side

135
00:06:48,659 --> 00:06:46,870
effects well to be blunt they don't even

136
00:06:51,239 --> 00:06:48,669
before the program aired a few

137
00:06:53,339 --> 00:06:51,249
Thursday's ago many chiropractors had

138
00:06:56,219 --> 00:06:53,349

hit the catalyst Facebook page in a

139

00:06:58,739 --> 00:06:56,229

pre-programmed show of support and this

140

00:07:00,329 --> 00:06:58,749

perhaps may be a result of an email that

141

00:07:02,879 --> 00:07:00,339

had been sent by the chiropractic

142

00:07:05,070 --> 00:07:02,889

association of australia to all their

143

00:07:07,889 --> 00:07:05,080

members warning them about the impending

144

00:07:09,600 --> 00:07:07,899

criticism i decided to jump in too

145

00:07:11,730 --> 00:07:09,610

because i had a burning question that

146

00:07:13,649 --> 00:07:11,740

had been bugging me for weeks it

147

00:07:16,320 --> 00:07:13,659

concerns the vaccination status of

148

00:07:17,699 --> 00:07:16,330

pediatric chiropractors and occurred to

149

00:07:19,589 --> 00:07:17,709

me when I saw some pictures of

150

00:07:21,719 --> 00:07:19,599

chiropractors leaning over very young

151
00:07:24,029 --> 00:07:21,729
children to adjust them or whatever it

152
00:07:27,089 --> 00:07:24,039
is they do now this worries me for

153
00:07:28,799 --> 00:07:27,099
several reasons number one Australia has

154
00:07:31,409 --> 00:07:28,809
been in the grips of a Potosi said

155
00:07:33,119 --> 00:07:31,419
Emmett and kids have died number two

156
00:07:34,980 --> 00:07:33,129
it's thought that it is adults who are

157
00:07:37,139 --> 00:07:34,990
passing on the bacteria because their

158
00:07:39,839 --> 00:07:37,149
vaccination status for pertussis has

159
00:07:42,209 --> 00:07:39,849
worn off now the vaccine only lasts

160
00:07:45,389 --> 00:07:42,219
between about four and eight years so

161
00:07:47,850 --> 00:07:45,399
adults need to get boosters number three

162
00:07:49,860 --> 00:07:47,860
kids under the age of six months are

163
00:07:52,290 --> 00:07:49,870

most likely to suffer and die from

164

00:07:54,659 --> 00:07:52,300

infection with pertussis given that they

165

00:07:56,969 --> 00:07:54,669

are not fully vaccinated and thus are

166

00:07:59,009 --> 00:07:56,979

not protected also by way of background

167

00:08:01,230 --> 00:07:59,019

there are two professional bodies for

168

00:08:02,730 --> 00:08:01,240

chiropractors in Australia the

169

00:08:04,890 --> 00:08:02,740

chiropractic association of australia

170

00:08:07,680 --> 00:08:04,900

who i just mentioned before

171

00:08:11,129 --> 00:08:07,690

had no policy on vaccination but

172

00:08:13,590 --> 00:08:11,139

published one of sorts in May 2013 and

173

00:08:16,560 --> 00:08:13,600

in my opinion it's pretty wishy-washy it

174

00:08:19,140 --> 00:08:16,570

simply says chiropractors do not provide

175

00:08:20,760 --> 00:08:19,150

vaccination services chiropractors

176
00:08:23,100 --> 00:08:20,770
should encourage their patients to make

177
00:08:25,499 --> 00:08:23,110
informed healthcare decisions and to

178
00:08:27,990 --> 00:08:25,509
consult their GP in relation to the

179
00:08:29,310 --> 00:08:28,000
risks and benefits of vaccination the

180
00:08:30,749 --> 00:08:29,320
other professional body for

181
00:08:33,029 --> 00:08:30,759
chiropractors in Australia is the

182
00:08:36,029 --> 00:08:33,039
chiropractic and osteopathic College of

183
00:08:39,480 --> 00:08:36,039
Australia or coca who are quite clear

184
00:08:42,089 --> 00:08:39,490
about their stance on vaccinations they

185
00:08:44,250 --> 00:08:42,099
say Koko endorses the government of

186
00:08:46,230 --> 00:08:44,260
Australia's policy and position on

187
00:08:48,329 --> 00:08:46,240
immunisation as a simple safe and

188
00:08:51,720 --> 00:08:48,339

effective way of protecting people

189

00:08:53,430 --> 00:08:51,730

against harmful diseases so if this in

190

00:08:56,340 --> 00:08:53,440

mind I had a burning question for

191

00:08:58,650 --> 00:08:56,350

pediatric chiropractors concerning duty

192

00:09:01,019 --> 00:08:58,660

of care for babies and what steps they

193

00:09:02,790 --> 00:09:01,029

take to ensure that they're protected

194

00:09:06,030 --> 00:09:02,800

during manipulation of babies and

195

00:09:07,980 --> 00:09:06,040

children I ask this because my guess is

196

00:09:09,960 --> 00:09:07,990

if kairos themselves are

197

00:09:12,030 --> 00:09:09,970

anti-vaccination then it seems unlikely

198

00:09:14,790 --> 00:09:12,040

that they will be diligent about getting

199

00:09:17,670 --> 00:09:14,800

boosters for things like pertussis and I

200

00:09:19,290 --> 00:09:17,680

could be wrong and i hope i am now well

201
00:09:20,850 --> 00:09:19,300
known to regular listeners is the

202
00:09:23,940 --> 00:09:20,860
anti-vaccine pediatric chiropractor

203
00:09:26,040 --> 00:09:23,950
nimrod weiner who has published several

204
00:09:27,630 --> 00:09:26,050
pictures of himself leaning over babies

205
00:09:30,120 --> 00:09:27,640
while adjusting them on his facebook

206
00:09:32,670 --> 00:09:30,130
page now nimrod weiner declined to

207
00:09:34,050 --> 00:09:32,680
comment on the catalyst episode even

208
00:09:36,090 --> 00:09:34,060
though a complaint made about his

209
00:09:38,760 --> 00:09:36,100
anti-vaccine material was mentioned

210
00:09:41,430 --> 00:09:38,770
during the show so i started off by

211
00:09:44,010 --> 00:09:41,440
commenting on a post made by dr. tony

212
00:09:46,740 --> 00:09:44,020
croak chiropractor who says on his

213
00:09:48,570 --> 00:09:46,750

website that he is skilled in cranial

214

00:09:51,870 --> 00:09:48,580

adjusting techniques which are often

215

00:09:54,180 --> 00:09:51,880

very helpful for babies and children he

216

00:09:57,150 --> 00:09:54,190

has also previously been a professional

217

00:09:58,790 --> 00:09:57,160

member of the avian he's on the National

218

00:10:01,500 --> 00:09:58,800

Board of the chiropractic association

219

00:10:03,570 --> 00:10:01,510

who also approved a continuing

220

00:10:06,240 --> 00:10:03,580

professional development course by the

221

00:10:09,420 --> 00:10:06,250

notorious anti-vaccine chiropractor tim

222

00:10:11,310 --> 00:10:09,430

o'shea on a thread that Tony started on

223

00:10:14,130 --> 00:10:11,320

the catalyst page I commented with the

224

00:10:15,600 --> 00:10:14,140

following hi Tony thanks for commenting

225

00:10:17,610 --> 00:10:15,610

here there's a question that has been

226

00:10:18,660 --> 00:10:17,620

posed by myself and others on this page

227

00:10:21,480 --> 00:10:18,670

several times

228

00:10:24,840 --> 00:10:21,490

since yesterday afternoon perhaps you

229

00:10:27,060 --> 00:10:24,850

can answer it our pediatric I rose up to

230

00:10:29,040 --> 00:10:27,070

date with their vaccinations including

231

00:10:31,470 --> 00:10:29,050

boosters especially for pertussis which

232

00:10:33,570 --> 00:10:31,480

wears off I ask because as you probably

233

00:10:36,480 --> 00:10:33,580

know babies are at risk of attracting

234

00:10:38,160 --> 00:10:36,490

pertussis from unvaccinated adults hence

235

00:10:39,870 --> 00:10:38,170

there is good reason to be boosted for

236

00:10:42,060 --> 00:10:39,880

pertussis if you are around babies

237

00:10:45,270 --> 00:10:42,070

especially if you are in close contact

238

00:10:47,520 --> 00:10:45,280

with them during manipulations I am well

239

00:10:49,950 --> 00:10:47,530

aware of pediatric cairo dr weiners

240

00:10:52,740 --> 00:10:49,960

opinions on vaccinations having attended

241

00:10:54,510 --> 00:10:52,750

one of his seminars in 2010 where he

242

00:10:56,700 --> 00:10:54,520

spent two hours explaining how vaccines

243

00:11:00,900 --> 00:10:56,710

are at best unnecessary and it was

244

00:11:02,760 --> 00:11:00,910

harmful for this reason i wonder if he

245

00:11:05,010 --> 00:11:02,770

has had a pertussis booster and if not

246

00:11:07,620 --> 00:11:05,020

isn't he and others potentially putting

247

00:11:09,120 --> 00:11:07,630

kids at risk I understand you can't

248

00:11:13,080 --> 00:11:09,130

speak for him just using his

249

00:11:14,820 --> 00:11:13,090

anti-vaccine stance as an example when I

250

00:11:16,590 --> 00:11:14,830

attended his seminar is it the best

251
00:11:18,720 --> 00:11:16,600
thing you can do for a baby is get them

252
00:11:22,200 --> 00:11:18,730
to your chiropractor as soon as possible

253
00:11:23,580 --> 00:11:22,210
after they leave hospital so what

254
00:11:26,190 --> 00:11:23,590
mechanisms are in place to ensure

255
00:11:28,590 --> 00:11:26,200
pediatric kairos do not pass on vaccine

256
00:11:30,450 --> 00:11:28,600
preventable diseases this seems a

257
00:11:33,240 --> 00:11:30,460
particular concern if the chiro is

258
00:11:35,310 --> 00:11:33,250
anti-vaccine does your code of conduct

259
00:11:37,950 --> 00:11:35,320
say anything about this thanks in

260
00:11:40,020 --> 00:11:37,960
advance now this was posted on the

261
00:11:47,280 --> 00:11:40,030
facebook page on the twelfth of July at

262
00:11:48,840 --> 00:11:47,290
20 to 45 when by the following day it

263
00:11:51,210 --> 00:11:48,850

still hadn't been answered by any

264

00:11:53,850 --> 00:11:51,220

chiropractors let alone dr. Tony croak

265

00:12:01,560 --> 00:11:53,860

chiropractor I reposted it to the top of

266

00:12:04,530 --> 00:12:01,570

the page when still no chiropractors

267

00:12:07,320 --> 00:12:04,540

commented another 24 hours later my

268

00:12:10,260 --> 00:12:07,330

friend Annette had a go she posted the

269

00:12:12,860 --> 00:12:10,270

question can one just one chiropractor

270

00:12:15,930 --> 00:12:12,870

answer these questions so far no one has

271

00:12:18,000 --> 00:12:15,940

why as a professional body do you

272

00:12:20,010 --> 00:12:18,010

continue not to have an adverse events

273

00:12:22,230 --> 00:12:20,020

register have no position on

274

00:12:24,390 --> 00:12:22,240

vaccinations have non-approved

275

00:12:27,030 --> 00:12:24,400

literature promoting all kinds of health

276

00:12:28,770 --> 00:12:27,040

matters in your rooms allow members to

277

00:12:31,110 --> 00:12:28,780

do presentations to the general public

278

00:12:32,480 --> 00:12:31,120

with no mechanism of regulation to what

279

00:12:35,030 --> 00:12:32,490

is presented

280

00:12:36,829 --> 00:12:35,040

trying to present yourself as regulated

281

00:12:38,840 --> 00:12:36,839

is a joke while this type of practice is

282

00:12:41,329 --> 00:12:38,850

allowed if you want to be taken

283

00:12:44,510 --> 00:12:41,339

seriously you need transparency and

284

00:12:46,250 --> 00:12:44,520

regulation this is seriously lacking now

285

00:12:48,230 --> 00:12:46,260

eventually a chiropractor by the name of

286

00:12:50,960 --> 00:12:48,240

steel butcher jumped in with this

287

00:12:54,100 --> 00:12:50,970

comment there are two professional

288

00:12:57,410 --> 00:12:54,110

bodies for chiropractors coca and CAA

289

00:13:00,620 --> 00:12:57,420

coca is pro vaccination unfortunately

290

00:13:02,510 --> 00:13:00,630

the CAA has no official stance tighter

291

00:13:04,639 --> 00:13:02,520

regulations would be nice however

292

00:13:07,730 --> 00:13:04,649

practice is still definitely regulated

293

00:13:11,420 --> 00:13:07,740

as with many professions politics gets

294

00:13:14,120 --> 00:13:11,430

in the way so let me repeat that as with

295

00:13:18,019 --> 00:13:14,130

many professions politics gets in the

296

00:13:20,810 --> 00:13:18,029

way so politics gets in the way of duty

297

00:13:22,699 --> 00:13:20,820

of care to babies babies who cannot fend

298

00:13:25,010 --> 00:13:22,709

for themselves and are susceptible to

299

00:13:27,889 --> 00:13:25,020

vaccine preventable disease which could

300

00:13:30,650 --> 00:13:27,899

so easily be prevented if the CIA had

301

00:13:33,290 --> 00:13:30,660

the balls to tell their pediatric kairos

302

00:13:35,810 --> 00:13:33,300

to get boosted if they are not once

303

00:13:38,360 --> 00:13:35,820

again I hope I am wrong this was my

304

00:13:40,430 --> 00:13:38,370

response to steal politics gets in the

305

00:13:41,870 --> 00:13:40,440

way of being vaccinated against VP DS

306

00:13:44,769 --> 00:13:41,880

when you're treating babies who are

307

00:13:47,750 --> 00:13:44,779

either a not vaccinated at all or be

308

00:13:50,269 --> 00:13:47,760

incompletely vaccinated that's appalling

309

00:13:52,210 --> 00:13:50,279

I would expect that nothing would get in

310

00:13:54,800 --> 00:13:52,220

the way of duty of care to patients

311

00:13:57,680 --> 00:13:54,810

particularly when it comes to babies

312

00:14:00,260 --> 00:13:57,690

frankly I'm appalled now let me make

313

00:14:02,600 --> 00:14:00,270

this clear as possible I am not accusing

314

00:14:05,060 --> 00:14:02,610

anyone of infecting kids with pertussis

315

00:14:07,190 --> 00:14:05,070

I am seeking in answer to the question

316

00:14:09,019 --> 00:14:07,200

if you're working with kids are you

317

00:14:12,350 --> 00:14:09,029

considering their welfare by having a

318

00:14:14,720 --> 00:14:12,360

booster on the surface this seems like a

319

00:14:16,850 --> 00:14:14,730

simple question but over two weeks later

320

00:14:23,470 --> 00:14:16,860

it remains unanswered by any

321

00:14:28,610 --> 00:14:26,090

so I have been to seminars given by

322

00:14:30,530 --> 00:14:28,620

pediatric chiropractors before in fact

323

00:14:32,480 --> 00:14:30,540

ones on the topic of vaccinations or

324

00:14:34,340 --> 00:14:32,490

I've listened to them tell parents to

325

00:14:36,680 --> 00:14:34,350

get their kids to a chiro as soon as

326

00:14:40,310 --> 00:14:36,690

possible after leaving hospital some

327

00:14:42,829 --> 00:14:40,320

advise within hours if possible but at

328

00:14:44,840 --> 00:14:42,839

what risk in medicine decisions about

329

00:14:46,480 --> 00:14:44,850

interventions are determined based on a

330

00:14:49,160 --> 00:14:46,490

risk versus benefit

331

00:14:51,380 --> 00:14:49,170

for example there was a risk in

332

00:14:53,300 --> 00:14:51,390

undergoing surgery but if the benefit of

333

00:14:55,820 --> 00:14:53,310

removing a tumor or whatever the problem

334

00:14:58,820 --> 00:14:55,830

may be outweighs the risks then people

335

00:15:02,180 --> 00:14:58,830

decide to do it but what about the risk

336

00:15:03,920 --> 00:15:02,190

for pediatric chiropractic well when the

337

00:15:06,560 --> 00:15:03,930

benefits are a bit better than placebo

338

00:15:09,050 --> 00:15:06,570

but the risks include sustaining an

339

00:15:11,270 --> 00:15:09,060

injury or worse a vaccine preventable

340

00:15:14,720 --> 00:15:11,280

disease that might kill you then it's

341

00:15:16,460 --> 00:15:14,730

clear avoid it like the plague if you'd

342

00:15:18,500 --> 00:15:16,470

like to read the transcript of this

343

00:15:21,620 --> 00:15:18,510

week's dr. Richie reports or follow any

344

00:15:24,170 --> 00:15:21,630

of the links or make a comment please go

345

00:15:27,110 --> 00:15:24,180

to skeptics book calm the official blog

346

00:15:38,490 --> 00:15:27,120

of the skeptic zone and until next time

347

00:15:43,360 --> 00:15:41,590

Rafiki have you heard the one about how

348

00:15:45,040 --> 00:15:43,370

the Illuminati in conjunction with the

349

00:15:46,870 --> 00:15:45,050

US government are hiding the existence

350

00:15:48,970 --> 00:15:46,880

of aliens in order to ensure the supply

351

00:15:50,620 --> 00:15:48,980

of helium is kept low or that the CIA

352

00:15:52,389 --> 00:15:50,630

the militant wing of the Freemasons are

353

00:15:53,829 --> 00:15:52,399

working with the elders of zion to take

354

00:15:56,350 --> 00:15:53,839

control of the population of the world

355

00:15:58,120 --> 00:15:56,360

through fluoridated chemtrails canberra

356

00:15:59,590 --> 00:15:58,130

skeptics incorporated on behalf of the

357

00:16:01,300 --> 00:15:59,600

shadow government will be massing an

358

00:16:03,850 --> 00:16:01,310

array of dark forces for the australian

359

00:16:05,620 --> 00:16:03,860

skeptics national convention 2013 this

360

00:16:07,269 --> 00:16:05,630

convention has conspired to coincide

361

00:16:09,550 --> 00:16:07,279

with the 50th anniversary of the

362

00:16:11,170 --> 00:16:09,560

assassination of John F Kennedy possibly

363

00:16:13,240 --> 00:16:11,180

the most famous conspiracy theory of all

364

00:16:15,100 --> 00:16:13,250

time if you've ever wanted to learn

365

00:16:17,019 --> 00:16:15,110

about the truth behind the death of JFK

366

00:16:18,910 --> 00:16:17,029

what makes for a good conspiracy theory

367

00:16:20,920 --> 00:16:18,920

and why they are so prevalent Canberra

368

00:16:22,660 --> 00:16:20,930

skeptics invites you to attend that is

369

00:16:25,690 --> 00:16:22,670

of course should you choose to accept it

370

00:16:28,090 --> 00:16:25,700

come to national skeptics convention org

371

00:16:35,880 --> 00:16:28,100

and just remember they will be watching

372

00:16:40,690 --> 00:16:38,320

well as I mentioned at the top of the

373

00:16:43,210 --> 00:16:40,700

show anybody out there who's interested

374

00:16:45,310 --> 00:16:43,220

in getting more science on the media

375

00:16:47,650 --> 00:16:45,320

especially on to the radio should pay

376

00:16:49,180 --> 00:16:47,660

careful attention on the line I've got

377

00:16:53,250 --> 00:16:49,190

Rowand kabataan who's going to tell us

378

00:16:56,560 --> 00:16:53,260

more about an effort a push to get more

379

00:16:58,930 --> 00:16:56,570

science into the media especially on to

380

00:17:02,560 --> 00:16:58,940

radio Rowan hello how are you Richard

381

00:17:04,150 --> 00:17:02,570

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

382

00:17:06,370 --> 00:17:04,160

in the country too long but it's good to

383

00:17:08,170 --> 00:17:06,380

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

384

00:17:10,929 --> 00:17:08,180

talk to someone about promoting science

385

00:17:13,329 --> 00:17:10,939

which at heart I guess is what the

386

00:17:15,900 --> 00:17:13,339

skeptic zone is all about tell us more

387

00:17:18,730 --> 00:17:15,910

and tell us what your motivations are

388

00:17:21,309 --> 00:17:18,740

yeah well so the end in science campaign

389

00:17:23,980 --> 00:17:21,319

is really just designed to get more

390

00:17:25,840 --> 00:17:23,990

science in the news media and to really

391

00:17:28,600 --> 00:17:25,850

just get this discussion out in the open

392

00:17:30,460 --> 00:17:28,610

about what we think news should really

393

00:17:33,100 --> 00:17:30,470

be four I mean it grew out of a general

394

00:17:34,960 --> 00:17:33,110

frustration for what qualifiers news i

395

00:17:37,300 --> 00:17:34,970

mean we hear so much sport we hear about

396

00:17:39,310 --> 00:17:37,310

so much petty crime and unfortunately so

397

00:17:41,620 --> 00:17:39,320

much tragedy that i really started to

398

00:17:43,660 --> 00:17:41,630

question why are we being told this

399

00:17:45,460 --> 00:17:43,670

what's the news for why do we listen and

400

00:17:47,980 --> 00:17:45,470

more importantly with regard to science

401

00:17:49,300 --> 00:17:47,990

what aren't we being told and in my

402

00:17:50,950 --> 00:17:49,310

opinion most of the time we're not

403

00:17:53,110 --> 00:17:50,960

hearing about science and when we do its

404

00:17:55,030 --> 00:17:53,120

infrequently done and often not done

405

00:17:57,370 --> 00:17:55,040

very well there's one of the criticisms

406

00:18:00,460 --> 00:17:57,380

we hear a lot actually is the science is

407

00:18:02,620 --> 00:18:00,470

either dumbed down for a lot of people

408

00:18:05,650 --> 00:18:02,630

to understand or it's made sensational

409

00:18:07,930 --> 00:18:05,660

or another bugbear of mine i must admit

410

00:18:11,620 --> 00:18:07,940

is the way that media will use the word

411

00:18:13,650 --> 00:18:11,630

breakthrough mmm i think that's that's

412

00:18:15,880 --> 00:18:13,660

kind of really risky because if we start

413

00:18:18,370 --> 00:18:15,890

training people particularly people who

414

00:18:20,650 --> 00:18:18,380

are not involved deeply involved in

415

00:18:22,750 --> 00:18:20,660

science to expect breakthroughs but then

416

00:18:25,330 --> 00:18:22,760

it never materializes five years down

417

00:18:27,310 --> 00:18:25,340

the track then when we've got our quack

418

00:18:29,980 --> 00:18:27,320

offering some solution right here right

419

00:18:31,480 --> 00:18:29,990

now it's very attractive I think and

420

00:18:33,520 --> 00:18:31,490

we're kind of really promoting the wrong

421

00:18:34,780 --> 00:18:33,530

message when talking about science if

422

00:18:36,900 --> 00:18:34,790

we're always talking about breakthroughs

423

00:18:40,300 --> 00:18:36,910

that are sensationalized and over high

424

00:18:42,580 --> 00:18:40,310

that's true and it's also it's not quite

425

00:18:44,230 --> 00:18:42,590

how science works so there periodically

426

00:18:45,880 --> 00:18:44,240

I guess there are things we could

427

00:18:46,570 --> 00:18:45,890

categorize as breakthroughs but they're

428

00:18:51,039 --> 00:18:46,580

pretty

429

00:18:53,409 --> 00:18:51,049

after many many years of painstaking

430

00:18:55,419 --> 00:18:53,419

research sure yeah if you dig a little

431

00:18:57,789 --> 00:18:55,429

little bit deeper if you scratch the

432

00:18:59,590 --> 00:18:57,799

surface of you know the seven minutes of

433

00:19:01,210 --> 00:18:59,600

terror or the higgs boson there's

434

00:19:02,500 --> 00:19:01,220

decades of work behind that even though

435

00:19:05,080 --> 00:19:02,510

it seems like a breakthrough on the

436

00:19:06,549 --> 00:19:05,090

surface yeah it does as those people

437

00:19:09,700 --> 00:19:06,559

aren't too interested in the years of

438

00:19:11,799 --> 00:19:09,710

painstaking and methodical research and

439

00:19:14,830 --> 00:19:11,809

rather just hear about Oh does this work

440

00:19:16,529 --> 00:19:14,840

now and what does it do I guess yeah

441

00:19:19,690 --> 00:19:16,539

yeah how does it impact my everyday life

442

00:19:22,060 --> 00:19:19,700

yeah and they're told whether it's true

443

00:19:24,580 --> 00:19:22,070

or not yeah um but I but I think this

444

00:19:26,259 --> 00:19:24,590

this kind of campaigns like what I

445

00:19:28,019 --> 00:19:26,269

really think it's trying to do is what I

446

00:19:30,399 --> 00:19:28,029

what I'm really trying to do rather is

447

00:19:32,590 --> 00:19:30,409

hopefully to go some way towards solving

448

00:19:35,139 --> 00:19:32,600

some problems that have been long long

449

00:19:36,399 --> 00:19:35,149

standing in a skeptical community I mean

450

00:19:39,250 --> 00:19:36,409

I can go into a bit more detail for each

451
00:19:41,320 --> 00:19:39,260
of these but I mean I like every other

452
00:19:43,419 --> 00:19:41,330
skeptic out there lament the quality of

453
00:19:45,519 --> 00:19:43,429
science news reporting but I think a

454
00:19:47,019 --> 00:19:45,529
bigger issue is the fact it's not done

455
00:19:49,590 --> 00:19:47,029
often and I think that's one of the

456
00:19:51,909 --> 00:19:49,600
first issues we've got to solve I think

457
00:19:53,590 --> 00:19:51,919
also we're stamping out pseudoscience

458
00:19:54,970 --> 00:19:53,600
and misinformation which Australian

459
00:19:56,950 --> 00:19:54,980
skeptics are greater I mean we've got

460
00:19:59,590 --> 00:19:56,960
the avian on the back foot we totally

461
00:20:02,980 --> 00:19:59,600
destroyed the the balance the power

462
00:20:04,240 --> 00:20:02,990
balance people we need I think the first

463
00:20:05,740 --> 00:20:04,250

step we need to is drown out

464

00:20:07,330 --> 00:20:05,750

misinformation and pseudoscience with

465

00:20:09,340 --> 00:20:07,340

actual information we can do that by

466

00:20:12,850 --> 00:20:09,350

just putting more of it into into our

467

00:20:14,320 --> 00:20:12,860

news media and I think there's two more

468

00:20:16,240 --> 00:20:14,330

things we can benefit from I mean false

469

00:20:18,100 --> 00:20:16,250

balance is the thing we were we're

470

00:20:20,409 --> 00:20:18,110

always criticizing the media for if we

471

00:20:22,539 --> 00:20:20,419

had more science the balance would not

472

00:20:24,340 --> 00:20:22,549

be so false it would definitely erase

473

00:20:26,200 --> 00:20:24,350

any sensation that there's a false

474

00:20:28,269 --> 00:20:26,210

controversy and and science needs to

475

00:20:30,430 --> 00:20:28,279

reclaim some of the science scientific

476
00:20:32,320 --> 00:20:30,440
words you know we need to own the word

477
00:20:33,970 --> 00:20:32,330
theory we need to own the word energy

478
00:20:37,180 --> 00:20:33,980
and we need to claw those back to have a

479
00:20:39,509 --> 00:20:37,190
grounded meaning we do i I can't agree

480
00:20:41,919 --> 00:20:39,519
with you more it's quite often we have a

481
00:20:45,220 --> 00:20:41,929
battle on our hands just trying to tell

482
00:20:46,840 --> 00:20:45,230
people what the word energy means your

483
00:20:49,120 --> 00:20:46,850
people use the word energy without

484
00:20:52,389 --> 00:20:49,130
having a clue a clue what it means I

485
00:20:55,870 --> 00:20:52,399
think in my experience it boils down to

486
00:20:58,840 --> 00:20:55,880
a lot of people think that they need to

487
00:20:59,730 --> 00:20:58,850
change the word energy and feeling like

488
00:21:01,770 --> 00:20:59,740

yeah

489

00:21:03,480 --> 00:21:01,780

oh I've got a bad feeling about this

490

00:21:05,160 --> 00:21:03,490

they'll say all the energies are bad

491

00:21:07,110 --> 00:21:05,170

meaning the same thing that you know

492

00:21:09,299 --> 00:21:07,120

just they've got a slight hiccup in

493

00:21:10,799 --> 00:21:09,309

their emotional state yeah i mean i

494

00:21:13,860 --> 00:21:10,809

think the science scientists and

495

00:21:16,980 --> 00:21:13,870

skeptics of one if anyone invokes energy

496

00:21:18,660 --> 00:21:16,990

for any state and there that someone

497

00:21:21,600 --> 00:21:18,670

responds with arm kick into kinetic

498

00:21:24,210 --> 00:21:21,610

energy power a light bulb with one we've

499

00:21:26,610 --> 00:21:24,220

won at that point so well i mean you

500

00:21:27,900 --> 00:21:26,620

might you might hope we have but i don't

501
00:21:31,110 --> 00:21:27,910
think you've ever had a conversation

502
00:21:34,020 --> 00:21:31,120
with one of these people uh it goes

503
00:21:37,380 --> 00:21:34,030
nowhere fast and often it'll boil down

504
00:21:39,240 --> 00:21:37,390
to I'll put the question to question two

505
00:21:41,730 --> 00:21:39,250
people what do you think energy is and

506
00:21:44,430 --> 00:21:41,740
they'll often come back with well the

507
00:21:48,090 --> 00:21:44,440
universe is made out of energy and yeah

508
00:21:51,110 --> 00:21:48,100
that's really odd to try and bring them

509
00:21:53,610 --> 00:21:51,120
back around to a logical and meaningful

510
00:21:55,200 --> 00:21:53,620
dialogue you know when your premise is

511
00:21:56,460 --> 00:21:55,210
the universe it's kind of hard to bring

512
00:21:58,290 --> 00:21:56,470
it down to something to jest if I wasn't

513
00:22:03,030 --> 00:21:58,300

it yeah and how can you beat that

514

00:22:04,530 --> 00:22:03,040

skeptic I I think another thing that

515

00:22:08,070 --> 00:22:04,540

this campaign is really working on is

516

00:22:08,880 --> 00:22:08,080

you know because the wound practitioners

517

00:22:11,160 --> 00:22:08,890

that people have really don't know if

518

00:22:14,430 --> 00:22:11,170

there who are invoking things in a false

519

00:22:16,290 --> 00:22:14,440

way the signal-to-noise ratio is totally

520

00:22:18,990 --> 00:22:16,300

skewed in their favor you know if we had

521

00:22:21,090 --> 00:22:19,000

more news more science really pushing

522

00:22:23,790 --> 00:22:21,100

the ridicule fact out there we could

523

00:22:25,140 --> 00:22:23,800

drown out you know the noise the

524

00:22:26,400 --> 00:22:25,150

misinformation they're making and we

525

00:22:28,230 --> 00:22:26,410

could really just boost the signal of

526

00:22:30,030 --> 00:22:28,240

science and let it ring true and clear

527

00:22:31,290 --> 00:22:30,040

right through everyone's right through

528

00:22:33,299 --> 00:22:31,300

the norms of society right through our

529

00:22:35,160 --> 00:22:33,309

media I think that would also be a huge

530

00:22:37,770 --> 00:22:35,170

boost it's just how we understand the

531

00:22:39,360 --> 00:22:37,780

world around us it would yeah I totally

532

00:22:42,570 --> 00:22:39,370

agree it would be I think it's a noble

533

00:22:46,470 --> 00:22:42,580

ambition it's I think realistically it's

534

00:22:49,560 --> 00:22:46,480

it's a long-term strategy I mean it are

535

00:22:51,390 --> 00:22:49,570

you having very hard to the media are so

536

00:22:53,669 --> 00:22:51,400

used to operating in the way they do and

537

00:22:56,760 --> 00:22:53,679

a lot of the times as they need a story

538

00:23:00,780 --> 00:22:56,770

quickly and often don't have the time to

539

00:23:04,410 --> 00:23:00,790

dedicate to the proper research or again

540

00:23:07,500 --> 00:23:04,420

it's the old story with a cheap and easy

541

00:23:09,900 --> 00:23:07,510

story for the media many times is to

542

00:23:11,490 --> 00:23:09,910

simply get to opposing issues people

543

00:23:12,010 --> 00:23:11,500

from two opposing sides and put them

544

00:23:15,130 --> 00:23:12,020

together

545

00:23:17,360 --> 00:23:15,140

hmm and I think that you know that the

546

00:23:18,740 --> 00:23:17,370

normal skeptic the average guy on the

547

00:23:21,680 --> 00:23:18,750

street who considers themselves a

548

00:23:24,140 --> 00:23:21,690

skeptic kind of has it's a tricky it's a

549

00:23:26,810 --> 00:23:24,150

tricky line to tread because in my

550

00:23:29,060 --> 00:23:26,820

opinion if we were a bit more I mean the

551
00:23:31,040 --> 00:23:29,070
reporters reporting science are often

552
00:23:32,840 --> 00:23:31,050
not trained in science they're not

553
00:23:34,820 --> 00:23:32,850
actively trying to misrepresent

554
00:23:36,920 --> 00:23:34,830
scientists they're just trying to do the

555
00:23:38,570 --> 00:23:36,930
best they can do but sometimes we can

556
00:23:41,030 --> 00:23:38,580
come out and be a bit too vitriolic and

557
00:23:43,070 --> 00:23:41,040
then the news departments will respond

558
00:23:44,510 --> 00:23:43,080
by going well this this is just not

559
00:23:46,400 --> 00:23:44,520
popular this is creating too much

560
00:23:49,130 --> 00:23:46,410
controversy let's let's not do that

561
00:23:51,230 --> 00:23:49,140
again I think you know I personally feel

562
00:23:52,340 --> 00:23:51,240
and I would you know advocate this

563
00:23:54,050 --> 00:23:52,350

position to kind of be a bit more

564

00:23:55,580 --> 00:23:54,060

accepting or a softer approach to

565

00:23:57,200 --> 00:23:55,590

criticizing bad journalism and bad

566

00:23:59,350 --> 00:23:57,210

science journalism you know if we can

567

00:24:01,700 --> 00:23:59,360

get more of it in there and then kind of

568

00:24:03,560 --> 00:24:01,710

be more accepting of more of it being

569

00:24:05,450 --> 00:24:03,570

that even if it's not great we can deal

570

00:24:07,460 --> 00:24:05,460

with the quality problem six months from

571

00:24:10,550 --> 00:24:07,470

now a year from now at some point down

572

00:24:13,670 --> 00:24:10,560

the track when we've kind of really got

573

00:24:17,180 --> 00:24:13,680

a norm happening again I think it so

574

00:24:19,670 --> 00:24:17,190

it's a very worthwhile strategy and it's

575

00:24:22,100 --> 00:24:19,680

of course we should be setting how can

576

00:24:24,860 --> 00:24:22,110

people help what's the story now for the

577

00:24:26,600 --> 00:24:24,870

rest of us how can we really help well

578

00:24:28,400 --> 00:24:26,610

you know it's we've got a petition going

579

00:24:29,630 --> 00:24:28,410

it's on change.org we've actually just

580

00:24:31,670 --> 00:24:29,640

made the front page because we've been

581

00:24:33,140 --> 00:24:31,680

so popular in the last four days we've

582

00:24:35,210 --> 00:24:33,150

got over eleven hundred signatures and

583

00:24:37,310 --> 00:24:35,220

they're coming in all the time so you

584

00:24:40,700 --> 00:24:37,320

can find us a change.org or if it's easy

585

00:24:42,230 --> 00:24:40,710

to remember and in science com the links

586

00:24:44,570 --> 00:24:42,240

are there our petition statement there

587

00:24:46,370 --> 00:24:44,580

is our open letter to triple j is there

588

00:24:47,870 --> 00:24:46,380

and of course we're on twitter and

589

00:24:49,730 --> 00:24:47,880

facebook and as you know some lively

590

00:24:52,130 --> 00:24:49,740

discussions happening in those places as

591

00:24:54,680 --> 00:24:52,140

well that's the message folks also if

592

00:24:57,590 --> 00:24:54,690

you go to the skeptic zone homepage ww

593

00:25:00,980 --> 00:24:57,600

skeptics on TV in the show notes for

594

00:25:03,560 --> 00:25:00,990

this episode we'll have links to this

595

00:25:05,300 --> 00:25:03,570

petition I've signed it myself a couple

596

00:25:08,720 --> 00:25:05,310

of days ago and have been publicizing it

597

00:25:11,060 --> 00:25:08,730

so I hope in some small way the skeptic

598

00:25:14,110 --> 00:25:11,070

zone has already helped to get some

599

00:25:17,690 --> 00:25:14,120

attention to this website absolutely and

600

00:25:20,060 --> 00:25:17,700

well we will check up with you check in

601
00:25:21,920 --> 00:25:20,070
with you as it were down the track and

602
00:25:23,400 --> 00:25:21,930
see how this petitions going and see

603
00:25:25,350 --> 00:25:23,410
what progress has been made

604
00:25:27,120 --> 00:25:25,360
I look forward to everything Rowan

605
00:25:29,370 --> 00:25:27,130
thanks again for your time and folks

606
00:25:39,930 --> 00:25:29,380
there's the message get more science out

607
00:25:43,770 --> 00:25:39,940
there in the media morning's keto

608
00:25:46,050 --> 00:25:43,780
potties or afternoon evening night order

609
00:25:48,780 --> 00:25:46,060
we small hours and regardless of when

610
00:25:50,640 --> 00:25:48,790
you're listening hello dr. Willis from

611
00:25:53,100 --> 00:25:50,650
the Royal Institution of Australia here

612
00:25:54,810 --> 00:25:53,110
with the final of three podcast covering

613
00:25:57,570 --> 00:25:54,820

the production break of a week in

614

00:26:00,180 --> 00:25:57,580

science that vodcast will be back next

615

00:26:02,760 --> 00:26:00,190

week but what's been happening this week

616

00:26:05,610 --> 00:26:02,770

in the wonderful world of science well

617

00:26:07,500 --> 00:26:05,620

lots let's start with a confronting

618

00:26:10,050 --> 00:26:07,510

commentary that appeared in nature this

619

00:26:12,270 --> 00:26:10,060

week that claims the global cost of a

620

00:26:15,860 --> 00:26:12,280

warming Arctic could be around the same

621

00:26:19,440 --> 00:26:15,870

size as the total global economy for

622

00:26:21,870 --> 00:26:19,450

2012 written by several international

623

00:26:23,550 --> 00:26:21,880

experts the piece claims that while most

624

00:26:26,070 --> 00:26:23,560

discussions about the economic

625

00:26:27,780 --> 00:26:26,080

implications of a warming Arctic focus

626

00:26:30,030 --> 00:26:27,790

on the benefits to the region such as

627

00:26:31,920 --> 00:26:30,040

increased oil and gas drilling and the

628

00:26:34,020 --> 00:26:31,930

opening up of new shipping routes other

629

00:26:36,990 --> 00:26:34,030

effects such as the melting of

630

00:26:39,320 --> 00:26:37,000

permafrost will extract a heavy toll on

631

00:26:44,070 --> 00:26:39,330

the planetary hip pocket they're talking

632

00:26:46,140 --> 00:26:44,080

60 trillion dollars folks and also some

633

00:26:49,380 --> 00:26:46,150

disappointing news about the potential

634

00:26:50,700 --> 00:26:49,390

use of a particular kind of stem cell us

635

00:26:52,770 --> 00:26:50,710

scientists are questioning the

636

00:26:56,310 --> 00:26:52,780

usefulness of what are known as very

637

00:26:59,190 --> 00:26:56,320

small embryonic-like stem cells or vs

638

00:27:01,650 --> 00:26:59,200

ALS these cells can be isolated from

639

00:27:03,750 --> 00:27:01,660

blood or bone marrow rather than from

640

00:27:05,880 --> 00:27:03,760

embryos and thus circumventing some

641

00:27:08,160 --> 00:27:05,890

tricky ethical questions and they're

642

00:27:10,800 --> 00:27:08,170

thought to be an alternative source of

643

00:27:13,020 --> 00:27:10,810

stem cells for medicine however this

644

00:27:15,360 --> 00:27:13,030

research found they're not capable of

645

00:27:17,850 --> 00:27:15,370

turning into different cell types and

646

00:27:21,750 --> 00:27:17,860

thus will not be useful in regenerative

647

00:27:23,580 --> 00:27:21,760

medicine are you like me carrying a bit

648

00:27:25,710 --> 00:27:23,590

more weight than you ought to be then

649

00:27:28,200 --> 00:27:25,720

it's probably not a good idea for me to

650

00:27:30,960 --> 00:27:28,210

be reminding you a US study has shown

651
00:27:33,120 --> 00:27:30,970
that weight discrimination may in fact

652
00:27:35,790 --> 00:27:33,130
increase the risk of becoming obese

653
00:27:37,200 --> 00:27:35,800
rather than motivating individuals to

654
00:27:39,299 --> 00:27:37,210
lose weight sick

655
00:27:43,289 --> 00:27:39,309
thousand people were involved in the

656
00:27:45,560 --> 00:27:43,299
study in 2006 and 2010 those who

657
00:27:49,310 --> 00:27:45,570
experienced weight discrimination in

658
00:27:52,620 --> 00:27:49,320
2006 were more likely to remain obese in

659
00:27:55,680 --> 00:27:52,630
2010 than those who hadn't and now to

660
00:27:57,750 --> 00:27:55,690
bust two myths from nature firstly

661
00:28:00,029 --> 00:27:57,760
cheetahs don't abandon their humps

662
00:28:02,130 --> 00:28:00,039
because they become overheated South

663
00:28:04,529 --> 00:28:02,140

African researchers measured wild

664

00:28:06,299 --> 00:28:04,539

cheetahs whereas previous studies only

665

00:28:08,430 --> 00:28:06,309

looked at captive animals and found

666

00:28:11,340 --> 00:28:08,440

their body temperatures increased only

667

00:28:13,860 --> 00:28:11,350

after the hunt ends and only if they

668

00:28:16,139 --> 00:28:13,870

were successful they also give up about

669

00:28:18,180 --> 00:28:16,149

sixty percent of their chasers the

670

00:28:20,460 --> 00:28:18,190

second myth surrounds that old favorite

671

00:28:23,549 --> 00:28:20,470

of the skeptics the effects or lack

672

00:28:25,980 --> 00:28:23,559

thereof of the moon on people's behavior

673

00:28:28,529 --> 00:28:25,990

a Swiss study found that a bad night's

674

00:28:30,840 --> 00:28:28,539

sleep could be due to the geophysical

675

00:28:33,000 --> 00:28:30,850

rhythms of the moon study participants

676

00:28:35,010 --> 00:28:33,010

found they had poor asleep and

677

00:28:37,980 --> 00:28:35,020

diminished levels of the sleep hormone

678

00:28:40,049 --> 00:28:37,990

melatonin during a full moon which the

679

00:28:41,880 --> 00:28:40,059

authors say is the first reliable

680

00:28:44,519 --> 00:28:41,890

evidence that a lunar rhythm can

681

00:28:46,710 --> 00:28:44,529

modulate sleep structures in humans and

682

00:28:48,810 --> 00:28:46,720

let's finish off with a couple of future

683

00:28:51,630 --> 00:28:48,820

events that may be of interest to you if

684

00:28:53,820 --> 00:28:51,640

you are interested in questions nuclear

685

00:28:56,310 --> 00:28:53,830

particularly with the future of power

686

00:28:58,260 --> 00:28:56,320

generation in Australia then check out

687

00:29:00,630 --> 00:28:58,270

the traveling Roadshow of nuclear

688

00:29:02,850 --> 00:29:00,640

experts touring the country in August at

689

00:29:04,649 --> 00:29:02,860

see the Australian Academy of

690

00:29:07,680 --> 00:29:04,659

technological sciences and engineering

691

00:29:10,139 --> 00:29:07,690

is featuring a panel discussion at their

692

00:29:12,149 --> 00:29:10,149

annual conference and then members of

693

00:29:14,880 --> 00:29:12,159

that panel will be visiting major cities

694

00:29:19,919 --> 00:29:14,890

to hold further discussions check the at

695

00:29:22,169 --> 00:29:19,929

see that's 80 s website for details for

696

00:29:25,200 --> 00:29:22,179

those of you with a more creative bent

697

00:29:27,779 --> 00:29:25,210

arias will be running our annual psycho

698

00:29:29,940 --> 00:29:27,789

competition as part of our contribution

699

00:29:33,299 --> 00:29:29,950

to national science week based on the

700

00:29:35,370 --> 00:29:33,309

Japanese haiku poetry form psychos have

701
00:29:37,289 --> 00:29:35,380
a science theme and this year in

702
00:29:39,450 --> 00:29:37,299
recognition of the international year

703
00:29:41,909 --> 00:29:39,460
statistics and the International Year of

704
00:29:44,299 --> 00:29:41,919
mathematics of planet Earth we want you

705
00:29:47,129 --> 00:29:44,309
to create a suitably statistically

706
00:29:50,400 --> 00:29:47,139
mathematical global kind of psycho

707
00:29:54,360 --> 00:29:50,410
here's my entry when a bell curve

708
00:29:57,180 --> 00:29:54,370
ohs a normal distribution piece around

709
00:29:59,850 --> 00:29:57,190
the mean I know I know I've missed my

710
00:30:01,860 --> 00:29:59,860
vocation but don't you miss yours and

711
00:30:07,110 --> 00:30:01,870
find out more about our psycho

712
00:30:09,360 --> 00:30:07,120
competition at RI aus org dot a you we

713
00:30:11,250 --> 00:30:09,370

can also find more science news and more

714

00:30:14,400 --> 00:30:11,260

details on the store is presented here

715

00:30:17,310 --> 00:30:14,410

that's it from me next week back to

716

00:30:23,100 --> 00:30:17,320

regular programming dr. Willis signing

717

00:30:25,260 --> 00:30:23,110

off hi I'm Finn and I'm Rebecca and

718

00:30:26,970 --> 00:30:25,270

where the skipper Kwan's skipper Collins

719

00:30:28,380 --> 00:30:26,980

is an Irish podcast by the Dublin

720

00:30:30,030 --> 00:30:28,390

skeptics society it takes a

721

00:30:31,800 --> 00:30:30,040

conversational reverent look at science

722

00:30:35,280 --> 00:30:31,810

news and skeptical topics from an Irish

723

00:30:38,340 --> 00:30:35,290

perspective you can find us at WWDC

724

00:30:38,340 --> 00:30:38,350

afrikaans calm

725

00:30:55,470 --> 00:30:53,820

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

726

00:30:57,169 --> 00:30:55,480

quite who do we have here we have got

727

00:30:59,760 --> 00:30:57,179

all these stars and celebrities

728

00:31:01,590 --> 00:30:59,770

autographed pictures on the wall here at

729

00:31:03,930 --> 00:31:01,600

this restaurant in Los Angeles were

730

00:31:05,789 --> 00:31:03,940

having dinner with Ben Redford hello Ben

731

00:31:07,020 --> 00:31:05,799

hello there Richard how are you I'm

732

00:31:09,360 --> 00:31:07,030

doing really well I've had a great time

733

00:31:11,070 --> 00:31:09,370

here with the members of the iig the

734

00:31:12,840 --> 00:31:11,080

local skeptical group we've had a big

735

00:31:15,600 --> 00:31:12,850

Italian dinner and we're just wandering

736

00:31:17,820 --> 00:31:15,610

down the wall of fame here because this

737

00:31:19,919 --> 00:31:17,830

is Hollywood isn't it it is it's Italian

738

00:31:21,870 --> 00:31:19,929

with their stars everywhere I was on the

739

00:31:24,299 --> 00:31:21,880

way in the door I stepped over a gold

740

00:31:25,860 --> 00:31:24,309

bar I'm pretty sure was pure solid gold

741

00:31:28,320 --> 00:31:25,870

because this is Hollywood it was

742

00:31:30,930 --> 00:31:28,330

remarkable you might be right anyway

743

00:31:33,299 --> 00:31:30,940

there's lots of lots of faces on the

744

00:31:35,850 --> 00:31:33,309

wall here photographs here Oh what Frank

745

00:31:38,520 --> 00:31:35,860

Sinatra keep kidding me really I know

746

00:31:40,080 --> 00:31:38,530

that is Frank Sinatra there's the to be

747

00:31:42,240 --> 00:31:40,090

honest most people here people I've

748

00:31:44,430 --> 00:31:42,250

never ever ever heard it you know what

749

00:31:46,399 --> 00:31:44,440

you're right I got really great many

750

00:31:49,770 --> 00:31:46,409

people put still the wall smothered with

751
00:31:52,529 --> 00:31:49,780
celebrity photographs now been what if

752
00:31:55,140 --> 00:31:52,539
some of your latest are skeptical

753
00:31:57,360 --> 00:31:55,150
investigation / adventures adventurous

754
00:31:59,250 --> 00:31:57,370
adventures well the most recent thing

755
00:32:01,470 --> 00:31:59,260
I've done was I did an article for

756
00:32:04,500 --> 00:32:01,480
skeptical inquire magazine on plagiarism

757
00:32:07,350 --> 00:32:04,510
in in a vampire encyclopedia by

758
00:32:10,110 --> 00:32:07,360
harpercollins lady jury subpoena vampire

759
00:32:12,480 --> 00:32:10,120
encyclopedia yes yes yes so it always

760
00:32:13,860 --> 00:32:12,490
sounds like the windup project hey thank

761
00:32:17,310 --> 00:32:13,870
you for coming Thank you Thank You

762
00:32:20,340 --> 00:32:17,320
Rachel my pleasure I others yeah so did

763
00:32:22,350 --> 00:32:20,350

the the I was doing some research and I

764

00:32:26,130 --> 00:32:22,360

discovered some rampant plagiarism in

765

00:32:28,980 --> 00:32:26,140

the reference book by a multiple-time

766

00:32:31,110 --> 00:32:28,990

author of HarperCollins the world's

767

00:32:32,880 --> 00:32:31,120

biggest publisher in the contacted them

768

00:32:34,500 --> 00:32:32,890

and I said you know you should be aware

769

00:32:37,950 --> 00:32:34,510

that that most of this book was written

770

00:32:39,450 --> 00:32:37,960

by other people hmm so that's my most

771

00:32:41,700 --> 00:32:39,460

recent thing I've I never gotten very

772

00:32:44,220 --> 00:32:41,710

good response from from readers because

773

00:32:46,200 --> 00:32:44,230

it's very um it's not just sort of

774

00:32:48,150 --> 00:32:46,210

another Bigfoot another

775

00:32:51,180 --> 00:32:48,160

ghost story it's it's sort of like more

776

00:32:53,310 --> 00:32:51,190

more consumer reports ik investigative

777

00:32:54,900 --> 00:32:53,320

journalism stuff yeah yeah so yeah so

778

00:32:57,240 --> 00:32:54,910

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

779

00:33:00,200 --> 00:32:57,250

another book coming out whew I have it's

780

00:33:03,180 --> 00:33:00,210

uh it's called mysterious new mexico

781

00:33:04,920 --> 00:33:03,190

mysterious New Mexico Nevada New Mexico

782

00:33:07,170 --> 00:33:04,930

well I live there you should come on

783

00:33:08,490 --> 00:33:07,180

since you live there it's quite nice the

784

00:33:10,980 --> 00:33:08,500

deserts and all sorts of things like

785

00:33:13,680 --> 00:33:10,990

that yeah and yeah because it'll be my

786

00:33:16,440 --> 00:33:13,690

seventh book Wow yeah it would be my

787

00:33:18,720 --> 00:33:16,450

seventh book and basically I realized

788

00:33:20,730 --> 00:33:18,730

that I had done investigations in a lot

789

00:33:23,760 --> 00:33:20,740

of parts of the world Europe South

790

00:33:26,370 --> 00:33:23,770

America elsewhere but I hadn't really

791

00:33:28,140 --> 00:33:26,380

done too many it or written them up in

792

00:33:30,030 --> 00:33:28,150

my backyard in New Mexico and so I

793

00:33:31,980 --> 00:33:30,040

figured why not I mean New Mexico's a

794

00:33:34,080 --> 00:33:31,990

weird place I live there that'll tell

795

00:33:36,480 --> 00:33:34,090

you something um where they make

796

00:33:38,690 --> 00:33:36,490

Breaking Bad that is that's exactly

797

00:33:41,910 --> 00:33:38,700

that's exactly what you would regret yes

798

00:33:44,730 --> 00:33:41,920

so yeah so so in addition we have you

799

00:33:46,830 --> 00:33:44,740

know monsters and miracles and weird

800

00:33:49,590 --> 00:33:46,840

things like that and so lots of ghost

801
00:33:51,480 --> 00:33:49,600
stories so that'll be coming out next

802
00:33:54,710 --> 00:33:51,490
year from the University of New Mexico

803
00:33:57,420 --> 00:33:54,720
press excellent and you still get

804
00:34:00,270 --> 00:33:57,430
feedback reaction from the chupacabra I

805
00:34:01,980 --> 00:34:00,280
do actually uh yeah it's you know the

806
00:34:05,040 --> 00:34:01,990
chupacabra book I did came out i think

807
00:34:07,770 --> 00:34:05,050
in twenty ten or so to chasing chuka

808
00:34:09,900 --> 00:34:07,780
cover tracking to portray tracking sorry

809
00:34:11,820 --> 00:34:09,910
tracking tracking chupacabra yeah you

810
00:34:13,440 --> 00:34:11,830
know it's interesting that's that sort

811
00:34:15,860 --> 00:34:13,450
of you know it's probably one of my

812
00:34:18,450 --> 00:34:15,870
highest profile investigations so far

813
00:34:20,600 --> 00:34:18,460

because you just so widely known it's

814

00:34:23,040 --> 00:34:20,610

you know it's known all around the world

815

00:34:25,320 --> 00:34:23,050

and it was funny the other day I was

816

00:34:26,820 --> 00:34:25,330

thinking about about you when someone

817

00:34:29,520 --> 00:34:26,830

writes my obituary when they gonna be

818

00:34:31,680 --> 00:34:29,530

talking about and someone you know when

819

00:34:34,350 --> 00:34:31,690

they say among my accomplishments

820

00:34:36,180 --> 00:34:34,360

however few or many it is it's going to

821

00:34:38,790 --> 00:34:36,190

be and by the way he solved this mystery

822

00:34:40,440 --> 00:34:38,800

of this weird vampire beast chupacabra

823

00:34:42,090 --> 00:34:40,450

yeah yeah I just sort of interesting

824

00:34:43,770 --> 00:34:42,100

just sort of and I'm okay I mean I'm

825

00:34:46,080 --> 00:34:43,780

happy with that I guess it just sort of

826

00:34:47,220 --> 00:34:46,090

an unusual things that was uh it was

827

00:34:48,690 --> 00:34:47,230

kind of you know

828

00:34:50,669 --> 00:34:48,700

think on my gravestone this is gonna be

829

00:34:53,849 --> 00:34:50,679

chiseled into power balance bracelet you

830

00:34:56,340 --> 00:34:53,859

oh yeah the amazing work on the power

831

00:34:58,020 --> 00:34:56,350

balance yeah and yeah it's good fun I'm

832

00:34:59,490 --> 00:34:58,030

wearing three of them as we speak from

833

00:35:01,320 --> 00:34:59,500

the amazing meeting you know it's good

834

00:35:02,940 --> 00:35:01,330

fun yeah yeah yeah yeah oh yeah I mean

835

00:35:04,320 --> 00:35:02,950

you've you've done so much i mean this

836

00:35:05,790 --> 00:35:04,330

this is the problem with trying to you

837

00:35:07,290 --> 00:35:05,800

know trying to keep what does Richard

838

00:35:10,200 --> 00:35:07,300

Saunders do it's like what doesn't he do

839

00:35:12,060 --> 00:35:10,210

you know so there's a that's one of the

840

00:35:13,950 --> 00:35:12,070

great things is that you're early a

841

00:35:15,450 --> 00:35:13,960

jack-of-all-trades there's someone well

842

00:35:18,930 --> 00:35:15,460

we all have to be done waiting to or

843

00:35:21,300 --> 00:35:18,940

respect yeah I mean skeptics like I mean

844

00:35:24,300 --> 00:35:21,310

we should specialize I guess but there's

845

00:35:26,130 --> 00:35:24,310

there is so much to skepticism isn't

846

00:35:29,040 --> 00:35:26,140

there may be on the Australian skeptics

847

00:35:31,260 --> 00:35:29,050

website I remember this a.m page I think

848

00:35:34,080 --> 00:35:31,270

it's still there which is an a to Zed

849

00:35:36,240 --> 00:35:34,090

this starts with abracadabra and ends

850

00:35:38,280 --> 00:35:36,250

with zombies and everything in between

851
00:35:41,010 --> 00:35:38,290
you know it's ridiculously a number of

852
00:35:42,780 --> 00:35:41,020
topics in skepticism right yeah there's

853
00:35:43,890 --> 00:35:42,790
they're such fertile ground I mean

854
00:35:46,560 --> 00:35:43,900
that's the thing is is that there's

855
00:35:48,420 --> 00:35:46,570
almost no area of human interest earned

856
00:35:51,510 --> 00:35:48,430
ever that doesn't have some woowoo

857
00:35:56,670 --> 00:35:51,520
that's true you know it with psychology

858
00:35:57,840 --> 00:35:56,680
physics geography geology medicine take

859
00:36:00,300 --> 00:35:57,850
your quick I mean there there's really

860
00:36:03,750 --> 00:36:00,310
nothing that isn't contaminated in some

861
00:36:05,400 --> 00:36:03,760
way by pseudoscience or and in

862
00:36:06,840 --> 00:36:05,410
some ways that's it's the sort of an

863
00:36:08,190 --> 00:36:06,850

overwhelming job because there's so much

864

00:36:09,630 --> 00:36:08,200

out there but that's what that's what

865

00:36:11,250 --> 00:36:09,640

makes it challenging that's what makes

866

00:36:13,140 --> 00:36:11,260

it fun you would you believe it that

867

00:36:14,940 --> 00:36:13,150

brian danny is making faces at us

868

00:36:17,609 --> 00:36:14,950

through the the look at look of this

869

00:36:20,250 --> 00:36:17,619

he's doing puppy dog face oh so adorable

870

00:36:22,620 --> 00:36:20,260

come on then let him in let it does i

871

00:36:24,780 --> 00:36:22,630

want to come on come on this aroma

872

00:36:27,660 --> 00:36:24,790

listen live interview folks this is what

873

00:36:29,730 --> 00:36:27,670

happens here in kind is it is that brian

874

00:36:31,200 --> 00:36:29,740

dunning he's looking G Brian a I don't I

875

00:36:32,700 --> 00:36:31,210

don't see that weird so you know any of

876

00:36:34,830 --> 00:36:32,710

these any of these celebrities on the

877

00:36:37,080 --> 00:36:34,840

wall yeah pop from Frank Sinatra oh well

878

00:36:38,760 --> 00:36:37,090

other than him well I of course I of

879

00:36:41,640 --> 00:36:38,770

course I recognize my own picture up

880

00:36:47,020 --> 00:36:45,070

Michael Jackson the novellas there's

881

00:36:48,910 --> 00:36:47,030

there's Steve novella it was genno how

882

00:36:50,950 --> 00:36:48,920

about that but Steve novella I didn't

883

00:36:53,350 --> 00:36:50,960

see that I think there's a I think

884

00:36:55,480 --> 00:36:53,360

there's Loni anderson very nice there's

885

00:36:57,280 --> 00:36:55,490

not ever there something there's Brian

886

00:36:59,470 --> 00:36:57,290

Dunning dressed up as Lonnie Andrews

887

00:37:01,780 --> 00:36:59,480

that's what it is I thought I recognized

888

00:37:05,590 --> 00:37:01,790

that full lipstick that's right yeah

889

00:37:07,090 --> 00:37:05,600

yeah that's a that's an event and I was

890

00:37:08,890 --> 00:37:07,100

just discussing how many topics there

891

00:37:10,690 --> 00:37:08,900

are in skepticism everything from a to

892

00:37:13,240 --> 00:37:10,700

Zed right yeah I think there's I think

893

00:37:17,440 --> 00:37:13,250

there's up to about 35 by now at least

894

00:37:19,240 --> 00:37:17,450

yeah at least 85 things it's kids it's

895

00:37:22,300 --> 00:37:19,250

I've had to do 10 episodes on every

896

00:37:27,070 --> 00:37:22,310

subject just to you you had to just

897

00:37:28,810 --> 00:37:27,080

repeat them yes and each time I just

898

00:37:30,130 --> 00:37:28,820

kind of juice it up a little AB some

899

00:37:31,960 --> 00:37:30,140

spice going to come up with some

900

00:37:33,760 --> 00:37:31,970

creative additions to the story keep the

901
00:37:36,070 --> 00:37:33,770
legend growing you know that's a diff

902
00:37:38,260 --> 00:37:36,080
you take out a few facts throw in some

903
00:37:39,730 --> 00:37:38,270
it's all good and I found I

904
00:37:43,000 --> 00:37:39,740
found a great new wealth and just

905
00:37:45,880 --> 00:37:43,010
inventing old newspaper articles haha

906
00:37:48,940 --> 00:37:45,890
find an old newspaper claimed that the

907
00:37:50,740 --> 00:37:48,950
November 1913 issue had a particular

908
00:37:52,540 --> 00:37:50,750
article if that you can give the right

909
00:37:54,130 --> 00:37:52,550
or a name yeah it's amazing and you can

910
00:37:55,960 --> 00:37:54,140
you can cite anything you know what

911
00:37:57,850 --> 00:37:55,970
happens in been read if it gets us and

912
00:37:59,440 --> 00:37:57,860
thinks they're real you could have to

913
00:38:01,780 --> 00:37:59,450

rewrite your books but I've wasted so

914

00:38:04,750 --> 00:38:01,790

much time tracking down Brian's putting

915

00:38:06,280 --> 00:38:04,760

the stories from 1930 newspaper well so

916

00:38:07,960 --> 00:38:06,290

I ask you yes he quoted here and I like

917

00:38:10,630 --> 00:38:07,970

hold on there was no Charleston observer

918

00:38:12,820 --> 00:38:10,640

have you done Chupacabra unknown skip

919

00:38:15,310 --> 00:38:12,830

toyed no I'm that's something that I

920

00:38:19,240 --> 00:38:15,320

don't think has been really merited a

921

00:38:20,770 --> 00:38:19,250

skeptical treatment so I haven't to know

922

00:38:22,120 --> 00:38:20,780

there's a two-episode I'm gonna get

923

00:38:23,860 --> 00:38:22,130

kicked in the night and I haven't done

924

00:38:25,810 --> 00:38:23,870

too Picabo obviously because that's been

925

00:38:27,940 --> 00:38:25,820

specialty and I haven't done the moon

926

00:38:30,670 --> 00:38:27,950

hoax because that's Phil Plait special

927

00:38:32,440 --> 00:38:30,680

to him I think eventually I'm just going

928

00:38:34,510 --> 00:38:32,450

to you do kind of watered-down episodes

929

00:38:37,960 --> 00:38:34,520

you could I don't with with you know I

930

00:38:39,730 --> 00:38:37,970

mean I yes it is Ben's done that and

931

00:38:41,620 --> 00:38:39,740

Phil's done the moon hoax but there is

932

00:38:43,930 --> 00:38:41,630

still topics and colored it's nothing

933

00:38:45,970 --> 00:38:43,940

aspects to it or you could do one just

934

00:38:48,070 --> 00:38:45,980

about Ben

935

00:38:49,780 --> 00:38:48,080

what can I say well the reason I

936

00:38:51,820 --> 00:38:49,790

actually the reason I mentioned the fake

937

00:38:53,980 --> 00:38:51,830

newspaper articles is because that was

938

00:38:55,900 --> 00:38:53,990

what I ran into this week when I was

939

00:38:57,849 --> 00:38:55,910

researching the currents cup-tied I

940

00:39:01,330 --> 00:38:57,859

won't say the name of the author but

941

00:39:03,400 --> 00:39:01,340

there was a 1950s author who wrote he

942

00:39:05,820 --> 00:39:03,410

basically made up a short story as a

943

00:39:08,980 --> 00:39:05,830

campfire tale and then in the 70s

944

00:39:10,810 --> 00:39:08,990

another author went back and tried to

945

00:39:13,420 --> 00:39:10,820

turn that into a real thing and he

946

00:39:17,080 --> 00:39:13,430

invented newspaper articles from the

947

00:39:19,330 --> 00:39:17,090

early 1900's to support it and Bailey

948

00:39:21,700 --> 00:39:19,340

shall converted a campfire story into a

949

00:39:23,680 --> 00:39:21,710

hole what's become sort of an urban

950

00:39:25,960 --> 00:39:23,690

legend oh my god I have to read this

951
00:39:30,790 --> 00:39:25,970
core can i find it this is his skipped

952
00:39:32,230 --> 00:39:30,800
or else kept ID com you see I I set that

953
00:39:33,910 --> 00:39:32,240
up those great oh you said that out yeah

954
00:39:35,170 --> 00:39:33,920
did I miss that but that's really that

955
00:39:37,570 --> 00:39:35,180
was very clever think that was very

956
00:39:39,220 --> 00:39:37,580
clever so um yeah I'm in the presence of

957
00:39:41,770 --> 00:39:39,230
some guys who were both written books I

958
00:39:43,420 --> 00:39:41,780
speak fact we both have is nice right so

959
00:39:44,620 --> 00:39:43,430
it was wrong reading books but you guys

960
00:39:46,870 --> 00:39:44,630
certainly have written books more

961
00:39:48,849 --> 00:39:46,880
recently than I have for books on skip

962
00:39:50,500 --> 00:39:48,859
down the minutes for yes I can't say I

963
00:39:53,170 --> 00:39:50,510

wrote them I kind of copy and pasted

964

00:39:55,690 --> 00:39:53,180

them really from your own work I guess

965

00:39:57,700 --> 00:39:55,700

you did write for there's actually six

966

00:39:59,650 --> 00:39:57,710

of them that are done but only four of

967

00:40:02,620 --> 00:39:59,660

them have made it as far as the

968

00:40:04,930 --> 00:40:02,630

formatting stage but yes tells me seven

969

00:40:07,330 --> 00:40:04,940

I've written seven books and actually a

970

00:40:09,640 --> 00:40:07,340

not to brag but I was looking at it oh

971

00:40:12,160 --> 00:40:09,650

right well if you include books that I

972

00:40:15,870 --> 00:40:12,170

have have either written or contributed

973

00:40:18,460 --> 00:40:15,880

chapters to or co-authored it's a few 20

974

00:40:19,810 --> 00:40:18,470

I'm just I'm just I'm just just saying

975

00:40:22,210 --> 00:40:19,820

I'm just saying I understand just what I

976

00:40:24,099 --> 00:40:22,220

yeah yeah just just in passing well just

977

00:40:26,980 --> 00:40:24,109

you know it's in some cases you know

978

00:40:30,700 --> 00:40:26,990

just a little minor chapter usually

979

00:40:34,210 --> 00:40:30,710

talking about brian is it's like the

980

00:40:35,950 --> 00:40:34,220

first the first real skeptical book that

981

00:40:38,560 --> 00:40:35,960

i bought was at the first tam that i

982

00:40:41,500 --> 00:40:38,570

went to and that was your Lake Monsters

983

00:40:43,450 --> 00:40:41,510

book well by Ben Radford and joe nickell

984

00:40:44,920 --> 00:40:43,460

right well then I use that on as

985

00:40:46,210 --> 00:40:44,930

reference on a couple of episodes I

986

00:40:48,960 --> 00:40:46,220

think well thank you glad you liked it

987

00:40:52,510 --> 00:40:48,970

so what's what would be the ideal

988

00:40:54,400 --> 00:40:52,520

adventure / mystery / investigation for

989

00:40:56,050 --> 00:40:54,410

you what if someone came and gave you a

990

00:40:58,450 --> 00:40:56,060

blank check and said please investigate

991

00:40:58,750 --> 00:40:58,460

the mystery of your choice what would it

992

00:41:02,200 --> 00:40:58,760

be

993

00:41:03,250 --> 00:41:02,210

mmm you know up until very recently my

994

00:41:05,440 --> 00:41:03,260

answer would have been the beasts of

995

00:41:08,700 --> 00:41:05,450

Javad on which is the this this

996

00:41:11,620 --> 00:41:08,710

mysterious thing that that killed

997

00:41:15,370 --> 00:41:11,630

peasants in seventeen hundreds france

998

00:41:19,540 --> 00:41:15,380

southern france and it was very strange

999

00:41:21,730 --> 00:41:19,550

case Brian knows about it that for many

1000

00:41:25,210 --> 00:41:21,740

years that was my that was my sort of

1001
00:41:28,360 --> 00:41:25,220
wish list investigation unfortunately or

1002
00:41:31,900 --> 00:41:28,370
rather fortunately before I could get to

1003
00:41:33,670 --> 00:41:31,910
it another author j smith i believe is

1004
00:41:34,960 --> 00:41:33,680
his name wrote an excellent what i

1005
00:41:37,960 --> 00:41:34,970
considered be the definitive book

1006
00:41:39,520 --> 00:41:37,970
solving that mystery yeah the the book

1007
00:41:43,150 --> 00:41:39,530
is called the monsters of the vivid on

1008
00:41:44,680 --> 00:41:43,160
and it's a brilliant book I just very

1009
00:41:48,520 --> 00:41:44,690
well done well researched and he

1010
00:41:50,080 --> 00:41:48,530
basically solved the mystery and so we

1011
00:41:51,610 --> 00:41:50,090
actually interviewed him on a monster

1012
00:41:52,990 --> 00:41:51,620
talk show and I was kind of please could

1013
00:41:55,030 --> 00:41:53,000

you actually read my super copper book

1014

00:41:57,340 --> 00:41:55,040

this phase like I read your book I read

1015

00:41:59,160 --> 00:41:57,350

your book dude this is cool does a lot

1016

00:42:02,500 --> 00:41:59,170

of visual tickled n Avenue has been

1017

00:42:07,570 --> 00:42:02,510

closed off yes yes oh yeah also be

1018

00:42:09,550 --> 00:42:07,580

sickening the second one would be ah you

1019

00:42:13,930 --> 00:42:09,560

know there's so many great mysteries out

1020

00:42:17,080 --> 00:42:13,940

there oh you know God um lost

1021

00:42:18,400 --> 00:42:17,090

civilizations yeah I mean maybe I'm

1022

00:42:19,750 --> 00:42:18,410

trying to think is something that you

1023

00:42:21,370 --> 00:42:19,760

know I try to do mysteries that haven't

1024

00:42:23,350 --> 00:42:21,380

been done to death you know that's

1025

00:42:24,910 --> 00:42:23,360

pretty tough well it is you sort of cope

1026

00:42:30,160 --> 00:42:24,920

with new stuff because I was just

1027

00:42:32,860 --> 00:42:30,170

retreading the same old yeah um to

1028

00:42:34,990 --> 00:42:32,870

be honest you know so here's your chance

1029

00:42:37,180 --> 00:42:35,000

to write to Ben Radford yeah give me a

1030

00:42:38,650 --> 00:42:37,190

suggestion we didn't to suggestion yeah

1031

00:42:40,600 --> 00:42:38,660

I you know there there's this there's

1032

00:42:44,170 --> 00:42:40,610

something you probably I would tackle

1033

00:42:46,060 --> 00:42:44,180

some of the old ghost photos Blake Smith

1034

00:42:48,130 --> 00:42:46,070

and I have done that on occasion we'll

1035

00:42:49,900 --> 00:42:48,140

tackle some classic ghost photos Blake

1036

00:42:51,850 --> 00:42:49,910

to the excellent piece on what's the

1037

00:42:53,710 --> 00:42:51,860

ones of the two faces and the in the in

1038

00:42:56,230 --> 00:42:53,720

the ocean yeah yeah that you think yeah

1039

00:42:58,030 --> 00:42:56,240

okay I'm sure listen is dead that one

1040

00:42:59,860 --> 00:42:58,040

too yeah yeah I know that was sailors

1041

00:43:01,300 --> 00:42:59,870

lost to Jay is our yeah and he did a

1042

00:43:02,320 --> 00:43:01,310

great job on that one and he and I have

1043

00:43:04,480 --> 00:43:02,330

collaborate on a couple other ones so

1044

00:43:06,420 --> 00:43:04,490

probably the answer your question is I

1045

00:43:09,740 --> 00:43:06,430

would go back to look at some of the

1046

00:43:12,170 --> 00:43:09,750

some of the unsolved

1047

00:43:14,870 --> 00:43:12,180

classic ghost photographs raynham hall

1048

00:43:15,860 --> 00:43:14,880

things like that I mean there's been not

1049

00:43:17,420 --> 00:43:15,870

that they're told you unsolved there's

1050

00:43:18,950 --> 00:43:17,430

been explanations but sometimes it's

1051
00:43:22,040 --> 00:43:18,960
good sort of take it a fresh pair of

1052
00:43:25,370 --> 00:43:22,050
eyes if you had both of you sow the

1053
00:43:28,340 --> 00:43:25,380
event if you had a time machine and the

1054
00:43:31,670 --> 00:43:28,350
idea was that you could go back and be

1055
00:43:33,620 --> 00:43:31,680
like the Invisible holograph not

1056
00:43:37,270 --> 00:43:33,630
interfering but a witness to an event in

1057
00:43:40,490 --> 00:43:37,280
history what would you like to see I

1058
00:43:42,200 --> 00:43:40,500
would like to see uh would it be a

1059
00:43:44,830 --> 00:43:42,210
mystery would it be a famous historical

1060
00:43:47,470 --> 00:43:44,840
I would like to see Sir Richard Burton

1061
00:43:49,520 --> 00:43:47,480
looking for the source of the Nile hmm

1062
00:43:51,200 --> 00:43:49,530
searching for the Nile add the source of

1063
00:43:54,080 --> 00:43:51,210

the Nile yeah the sources that I've

1064

00:43:57,410 --> 00:43:54,090

always been a big admirer of some of the

1065

00:43:59,240 --> 00:43:57,420

Victorian era explorers and Sir Richard

1066

00:44:02,630 --> 00:43:59,250

Burton has always been a personal hero

1067

00:44:04,010 --> 00:44:02,640

of mine and just the dig this actually

1068

00:44:06,680 --> 00:44:04,020

did it with joy hanning speke and all

1069

00:44:10,250 --> 00:44:06,690

that so I thought you'd say I'd want to

1070

00:44:12,260 --> 00:44:10,260

be there on the grassy in the hole no no

1071

00:44:14,810 --> 00:44:12,270

you know honestly I think it all ties in

1072

00:44:17,000 --> 00:44:14,820

with me because I the the common thread

1073

00:44:19,010 --> 00:44:17,010

to me is exploration and the gaining of

1074

00:44:22,190 --> 00:44:19,020

knowledge and so whether it's like a

1075

00:44:23,540 --> 00:44:22,200

conspiracy thing or just you learning

1076

00:44:25,850 --> 00:44:23,550

something that nobody's figured out

1077

00:44:27,620 --> 00:44:25,860

before so that's that's probably what I

1078

00:44:28,850 --> 00:44:27,630

would do what about you mr. Dunning well

1079

00:44:30,530 --> 00:44:28,860

you know it's interesting you mentioned

1080

00:44:32,870 --> 00:44:30,540

the grassy knoll because you know you

1081

00:44:34,580 --> 00:44:32,880

kind of jumped to thinking what are some

1082

00:44:36,560 --> 00:44:34,590

of these great sort of skeptical

1083

00:44:39,110 --> 00:44:36,570

mysteries yeah yeah yeah skeptical

1084

00:44:40,730 --> 00:44:39,120

topics and the thing is that nothing

1085

00:44:42,020 --> 00:44:40,740

really happened at anything it's like if

1086

00:44:43,610 --> 00:44:42,030

you go to a hotel that's supposed to be

1087

00:44:46,160 --> 00:44:43,620

haunted with your video camera what are

1088

00:44:48,590 --> 00:44:46,170

you gonna get video nothing yeah so I i

1089

00:44:49,940 --> 00:44:48,600

think what what's something that's

1090

00:44:52,850 --> 00:44:49,950

always fascinated me that i know is a

1091

00:44:56,150 --> 00:44:52,860

real event that i'd like to see was in

1092

00:44:57,890 --> 00:44:56,160

the very early days of the formation of

1093

00:44:59,570 --> 00:44:57,900

the earth and i think we're talking

1094

00:45:03,560 --> 00:44:59,580

about somewhere about halfway through

1095

00:45:06,380 --> 00:45:03,570

its history when the tides were at their

1096

00:45:09,110 --> 00:45:06,390

highest when the moon was at its closest

1097

00:45:11,630 --> 00:45:09,120

orbiting the fastest yeah and we had

1098

00:45:14,390 --> 00:45:11,640

oceans and the tides were the highest

1099

00:45:16,580 --> 00:45:14,400

that they've ever been and I've heard

1100

00:45:17,900 --> 00:45:16,590

varying reports that these tides might

1101

00:45:20,900 --> 00:45:17,910

have been in the hundreds of feet

1102

00:45:22,089 --> 00:45:20,910

possibly even thousands of feet huge

1103

00:45:24,130 --> 00:45:22,099

walls of white

1104

00:45:27,130 --> 00:45:24,140

water crashing across continents and

1105

00:45:29,950 --> 00:45:27,140

things and I'd like to see whatever the

1106

00:45:32,710 --> 00:45:29,960

height of that actually was and see what

1107

00:45:34,150 --> 00:45:32,720

that actually looked like for real well

1108

00:45:35,729 --> 00:45:34,160

if Brian's gonna come with that good

1109

00:45:38,829 --> 00:45:35,739

answer then I'm going to change mine

1110

00:45:40,539 --> 00:45:38,839

mine Tom gusta how about his business no

1111

00:45:43,479 --> 00:45:40,549

no I know I know I would want to be

1112

00:45:47,049 --> 00:45:43,489

there for the 1967 patterson-gimlin we

1113

00:45:50,079 --> 00:45:47,059

put film yeah I want to be there when

1114

00:45:51,759 --> 00:45:50,089

Roger Patterson Bob Gimlin get off their

1115

00:45:54,400 --> 00:45:51,769

get off their horses in bluff creek

1116

00:45:55,960 --> 00:45:54,410

california of the suit and i just want

1117

00:45:58,690 --> 00:45:55,970

to sit there in the back and say all

1118

00:46:00,910 --> 00:45:58,700

right let's see who's in the suit what

1119

00:46:03,339 --> 00:46:00,920

does he do to that would be my answer is

1120

00:46:07,539 --> 00:46:03,349

the out why do I want to be there for

1121

00:46:09,519 --> 00:46:07,549

the 1967 patterson-gimlin Bigfoot film

1122

00:46:12,519 --> 00:46:09,529

just because it's so it's so

1123

00:46:14,529 --> 00:46:12,529

controversial and heels to the eating to

1124

00:46:17,410 --> 00:46:14,539

this day and it's I mean it's pretty

1125

00:46:19,420 --> 00:46:17,420

clearly a hoax but but it's one of the

1126

00:46:20,859 --> 00:46:19,430

things for nailing the conclusive

1127

00:46:23,079 --> 00:46:20,869

evidence for it it's so difficult

1128

00:46:25,089 --> 00:46:23,089

because it's been so long and and so I

1129

00:46:26,380 --> 00:46:25,099

out that's that would be my other answer

1130

00:46:28,479 --> 00:46:26,390

would be I don't want to be there just

1131

00:46:31,150 --> 00:46:28,489

to just to sit back and just see this

1132

00:46:32,859 --> 00:46:31,160

whole thing unfold say right you know

1133

00:46:34,690 --> 00:46:32,869

what I what I love about that answer is

1134

00:46:37,420 --> 00:46:34,700

because I I've said this before so I

1135

00:46:39,009 --> 00:46:37,430

don't care if i sell if it's sounds of

1136

00:46:40,359 --> 00:46:39,019

embarrassing right you just just be

1137

00:46:41,950 --> 00:46:40,369

clear brian has never been afraid to

1138

00:46:44,559 --> 00:46:41,960

embarrass himself no that's something

1139

00:46:47,680 --> 00:46:44,569

that I appreciate about him I've always

1140

00:46:51,609 --> 00:46:47,690

said that the patterson-gimlin Bigfoot

1141

00:46:53,650 --> 00:46:51,619

film looks very real and I think the

1142

00:46:54,969 --> 00:46:53,660

historical evidence is clear that it's a

1143

00:46:56,890 --> 00:46:54,979

hoax yeah I think there's any question

1144

00:46:59,559 --> 00:46:56,900

about that but I think it's one of the

1145

00:47:01,390 --> 00:46:59,569

most brilliantly effective hoaxes ever

1146

00:47:03,880 --> 00:47:01,400

because to me that looks like a real

1147

00:47:06,160 --> 00:47:03,890

animal yeah yeah I've inverse

1148

00:47:08,349 --> 00:47:06,170

correlation between the the quality of

1149

00:47:10,749 --> 00:47:08,359

the film and how convincing it is he you

1150

00:47:13,450 --> 00:47:10,759

see the same thing with with UFO videos

1151

00:47:16,299 --> 00:47:13,460

where the clearer it is the the more

1152

00:47:18,069 --> 00:47:16,309

obvious it is not UFO well there you got

1153

00:47:19,660 --> 00:47:18,079

now folks at home what would you go back

1154

00:47:21,370 --> 00:47:19,670

if you had a time machine and you could

1155

00:47:23,559 --> 00:47:21,380

witness something would you go back to

1156

00:47:25,239 --> 00:47:23,569

Israel and see a certain young magician

1157

00:47:28,569 --> 00:47:25,249

learn his trade I wonder would that be

1158

00:47:30,400 --> 00:47:28,579

the way to do it would you would you go

1159

00:47:32,590 --> 00:47:30,410

and see one of Harry Houdini zacks i

1160

00:47:33,820 --> 00:47:32,600

would i would ya

1161

00:47:35,640 --> 00:47:33,830

that's until that's the good of this

1162

00:47:38,560 --> 00:47:35,650

that's not a good even though that's not

1163

00:47:40,930 --> 00:47:38,570

strictly nobody but it's part of our

1164

00:47:42,700 --> 00:47:40,940

history yeah we are so good he said and

1165

00:47:45,130 --> 00:47:42,710

yah oh yah would love to I would love to

1166

00:47:47,560 --> 00:47:45,140

be in one of those in one of those

1167

00:47:49,510 --> 00:47:47,570

seance rooms when Houdini bossed us oh

1168

00:47:52,770 --> 00:47:49,520

yeah that would because just so they're

1169

00:47:55,720 --> 00:47:52,780

just watch watch the master magician

1170

00:47:58,300 --> 00:47:55,730

Yalies yeah that's just zeroing in on

1171

00:48:00,250 --> 00:47:58,310

these on these these cheap tricks and

1172

00:48:02,020 --> 00:48:00,260

Buster and bust them that would be so

1173

00:48:03,310 --> 00:48:02,030

that would be so great oh maybe our

1174

00:48:04,660 --> 00:48:03,320

listeners would like to come here and

1175

00:48:06,430 --> 00:48:04,670

join us for this dinner we're having

1176
00:48:08,620 --> 00:48:06,440
tonight because when they hear this this

1177
00:48:10,180 --> 00:48:08,630
will be in the past yes that's true no I

1178
00:48:13,060 --> 00:48:10,190
don't see it even I'm sure they're here

1179
00:48:15,010 --> 00:48:13,070
in spirit Ben Radford thank you Brian

1180
00:48:17,050 --> 00:48:15,020
Dunning thank you why don't we join the

1181
00:48:27,400 --> 00:48:17,060
rest of our body in the finish I had

1182
00:48:29,560 --> 00:48:27,410
dinner let's do something it never ends

1183
00:48:31,630 --> 00:48:29,570
a friend starts talking about his new

1184
00:48:34,300 --> 00:48:31,640
reiki master and someone else just

1185
00:48:36,130 --> 00:48:34,310
posted about another all-natural cancer

1186
00:48:36,730 --> 00:48:36,140
cure that they don't want you to know

1187
00:48:38,680 --> 00:48:36,740
about

1188
00:48:40,450 --> 00:48:38,690

as skeptics we spend a lot of time

1189

00:48:42,490 --> 00:48:40,460

trying to educate and protect those

1190

00:48:44,890 --> 00:48:42,500

around us but there is a way that you

1191

00:48:47,470 --> 00:48:44,900

can reach millions guerrilla skepticism

1192

00:48:49,270 --> 00:48:47,480

on Wikipedia is a group working to keep

1193

00:48:52,330 --> 00:48:49,280

the best skeptical information in

1194

00:48:55,990 --> 00:48:52,340

everyone's fingertips join us we need

1195

00:48:59,320 --> 00:48:56,000

writers editors translators we need you

1196

00:49:01,480 --> 00:48:59,330

you join us or find out more send a

1197

00:49:05,130 --> 00:49:01,490

facebook friend request to Susan Berbick

1198

00:49:11,730 --> 00:49:05,140

that's ger be icy guerrilla skepticism

1199

00:49:22,890 --> 00:49:16,680

here's my not spooky action at the

1200

00:49:27,309 --> 00:49:25,089

on the phone I have someone who

1201

00:49:29,620 --> 00:49:27,319

contacted me saying hey Maynard you must

1202

00:49:32,289 --> 00:49:29,630

be into Aeronautics and you'll certainly

1203

00:49:34,150 --> 00:49:32,299

into Aeronautics out llamarlo yes I am

1204

00:49:37,479 --> 00:49:34,160

and what did you contact me in the first

1205

00:49:39,309 --> 00:49:37,489

place well um I'm interested in

1206

00:49:43,900 --> 00:49:39,319

aeronautics I was in the space program

1207

00:49:46,870 --> 00:49:43,910

for the majority of my career and I'm a

1208

00:49:50,380 --> 00:49:46,880

skeptic you certainly are in fact you're

1209

00:49:52,359 --> 00:49:50,390

really into helping retired people that

1210

00:49:56,289 --> 00:49:52,369

expand their critical thinking skills

1211

00:50:00,489 --> 00:49:56,299

that what are you into yes I am and but

1212

00:50:02,709 --> 00:50:00,499

also to young people as well and malo

1213

00:50:04,299 --> 00:50:02,719

actually what will you how long will you

1214

00:50:07,449 --> 00:50:04,309

at NASA and what were you involved in I

1215

00:50:09,670 --> 00:50:07,459

believe you were involved in Apollo yes

1216

00:50:12,339 --> 00:50:09,680

it were actually I date back to the

1217

00:50:14,799 --> 00:50:12,349

original man in space program project

1218

00:50:18,489 --> 00:50:14,809

mercury mercury that means you're also

1219

00:50:22,089 --> 00:50:18,499

involved in Gemini as well yes I was had

1220

00:50:24,430 --> 00:50:22,099

major responsibilities in Gemini was it

1221

00:50:26,199 --> 00:50:24,440

exactly like Larry Hagman and I Dream of

1222

00:50:28,839 --> 00:50:26,209

Jeannie is that exactly what it was like

1223

00:50:32,609 --> 00:50:28,849

at NASA during that time I don't think

1224

00:50:36,880 --> 00:50:32,619

so i think that was a total

1225

00:50:39,099 --> 00:50:36,890

misrepresentation starting off with we

1226

00:50:43,089 --> 00:50:39,109

had a number of military officers

1227

00:50:45,789 --> 00:50:43,099

working with us the original seven

1228

00:50:49,269 --> 00:50:45,799

mercury astronauts were all military

1229

00:50:51,999 --> 00:50:49,279

officers I never saw them once in their

1230

00:50:54,579 --> 00:50:52,009

military uniforms was the culture of

1231

00:50:56,199 --> 00:50:54,589

being an astronaut a little bit like the

1232

00:50:57,999 --> 00:50:56,209

Larry Hagman thinking that they had the

1233

00:51:02,559 --> 00:50:58,009

big convertible car and they were very

1234

00:51:06,029 --> 00:51:02,569

very extroverted people yes that part is

1235

00:51:09,069 --> 00:51:06,039

pretty good representation of the

1236

00:51:11,439 --> 00:51:09,079

original astronauts at plus the second

1237

00:51:13,809 --> 00:51:11,449

group and and further because I imagine

1238

00:51:17,019 --> 00:51:13,819

it would have been a very technically

1239

00:51:19,809 --> 00:51:17,029

intense time but was it a relaxed

1240

00:51:21,249 --> 00:51:19,819

culture or was it a fairly regimented

1241

00:51:22,959 --> 00:51:21,259

culture because you really had this

1242

00:51:25,779 --> 00:51:22,969

important job to do and you are on the

1243

00:51:27,789 --> 00:51:25,789

edge of engineering at that time I think

1244

00:51:32,349 --> 00:51:27,799

it was more of the latter because we

1245

00:51:32,920 --> 00:51:32,359

were in a head-to-head race with the

1246

00:51:36,250 --> 00:51:32,930

Soviet

1247

00:51:41,099 --> 00:51:36,260

Union and you also have to remember the

1248

00:51:46,770 --> 00:51:41,109

culture in the in the 50s and 60s was

1249

00:51:50,859 --> 00:51:46,780

difficult time engineering-wise with the

1250

00:51:53,109 --> 00:51:50,869

arms race yeah there was some relaxed

1251
00:51:55,540 --> 00:51:53,119
culture but it was a pretty intense time

1252
00:51:57,700 --> 00:51:55,550
I guess it is easy to forget this

1253
00:52:00,160 --> 00:51:57,710
distance from the Cold War what the

1254
00:52:02,200 --> 00:52:00,170
threat was thought to be at the time and

1255
00:52:06,400 --> 00:52:02,210
what area were you working in at NASA

1256
00:52:09,549 --> 00:52:06,410
malo well I started off actually with

1257
00:52:12,760 --> 00:52:09,559
the predecessor to NASA an organization

1258
00:52:16,420 --> 00:52:12,770
called naca national advisory committee

1259
00:52:21,150 --> 00:52:16,430
for aeronautics NACA if you know anybody

1260
00:52:24,400 --> 00:52:21,160
in aviation NACA was the premier auto

1261
00:52:27,970 --> 00:52:24,410
aeronautical research organization and

1262
00:52:31,270 --> 00:52:27,980
then after the launch of Sputnik which

1263
00:52:34,359 --> 00:52:31,280

happened in President Eisenhower's

1264

00:52:36,430 --> 00:52:34,369

administration he enacted something

1265

00:52:41,170 --> 00:52:36,440

called the National Space Act in the

1266

00:52:44,920 --> 00:52:41,180

United States which formed NASA and the

1267

00:52:50,470 --> 00:52:44,930

organization that I was working for NACA

1268

00:52:53,890 --> 00:52:50,480

in in Virginia became the core group for

1269

00:52:56,289 --> 00:52:53,900

NASA and manned spaceflight because a

1270

00:52:58,780 --> 00:52:56,299

great deal is made about how America

1271

00:53:01,270 --> 00:52:58,790

felt when Sputnik was launched it was a

1272

00:53:03,010 --> 00:53:01,280

feeling of shame or a feeling of we've

1273

00:53:06,160 --> 00:53:03,020

really got to catch up fast what was the

1274

00:53:08,859 --> 00:53:06,170

exact emotion I think it was some of

1275

00:53:12,130 --> 00:53:08,869

that and also terror we always thought

1276

00:53:16,630 --> 00:53:12,140

the Soviet Union was behind us in terms

1277

00:53:20,380 --> 00:53:16,640

of technological superiority launching

1278

00:53:23,559 --> 00:53:20,390

sputnik was not only a psychological

1279

00:53:27,099 --> 00:53:23,569

downer for us but it really showed the

1280

00:53:30,549 --> 00:53:27,109

rest of the world the developing world

1281

00:53:32,620 --> 00:53:30,559

that hey maybe the communist system of

1282

00:53:35,349 --> 00:53:32,630

government is better than the capitalist

1283

00:53:37,420 --> 00:53:35,359

and as far as critical thinking guys and

1284

00:53:40,599 --> 00:53:37,430

skepticism that they think that goes

1285

00:53:42,010 --> 00:53:40,609

hand in hand with being an engineer and

1286

00:53:44,109 --> 00:53:42,020

to have that training or do you think

1287

00:53:46,750 --> 00:53:44,119

they still engineers still have that

1288

00:53:48,460 --> 00:53:46,760

little bit of luck and a bit of crushed

1289

00:53:50,080 --> 00:53:48,470

fingers kind of thing that goes on with

1290

00:53:51,730 --> 00:53:50,090

some things there is a little bit of

1291

00:53:54,610 --> 00:53:51,740

whoo that can creep in from time to time

1292

00:53:57,880 --> 00:53:54,620

do you think I never saw you happening

1293

00:54:00,370 --> 00:53:57,890

you know i'll give you the get asked you

1294

00:54:03,850 --> 00:54:00,380

the question would you get on an

1295

00:54:07,320 --> 00:54:03,860

airplane as a commercial airliner that

1296

00:54:11,860 --> 00:54:07,330

wasn't designed and developed using

1297

00:54:14,740 --> 00:54:11,870

critical well researched engineering

1298

00:54:18,280 --> 00:54:14,750

principles or would you want to have

1299

00:54:21,190 --> 00:54:18,290

something that had has the psychic

1300

00:54:23,290 --> 00:54:21,200

hotline involved in it that's a very

1301

00:54:29,010 --> 00:54:23,300

good question marlo and the answer is i

1302

00:54:31,000 --> 00:54:29,020

don't think so right and with all the

1303

00:54:32,680 --> 00:54:31,010

projects you're involved in of course

1304

00:54:35,470 --> 00:54:32,690

you mentioned mercury and then there was

1305

00:54:37,210 --> 00:54:35,480

gemini and apollo to just recently I

1306

00:54:40,060 --> 00:54:37,220

seem to been very fascinated with the

1307

00:54:41,530 --> 00:54:40,070

Apollo 7 mission which was the last one

1308

00:54:43,630 --> 00:54:41,540

around the earth where they were testing

1309

00:54:45,940 --> 00:54:43,640

a lot of things before Apollo 8 went and

1310

00:54:47,980 --> 00:54:45,950

circuited the moon and i found that

1311

00:54:50,560 --> 00:54:47,990

mission very interesting because two of

1312

00:54:51,910 --> 00:54:50,570

the astronauts on that during their few

1313

00:54:53,890 --> 00:54:51,920

days that they were up there got very

1314

00:54:56,260 --> 00:54:53,900

snippy with master control and never

1315

00:54:57,610 --> 00:54:56,270

uses astronauts again and I think they

1316

00:55:00,070 --> 00:54:57,620

learned a lot in that mission and that

1317

00:55:01,720 --> 00:55:00,080

mission tends to be forgotten uh that's

1318

00:55:05,290 --> 00:55:01,730

that's a good point you're making

1319

00:55:08,290 --> 00:55:05,300

there's another thing that we learned we

1320

00:55:13,270 --> 00:55:08,300

ran into a medical problem that we never

1321

00:55:16,450 --> 00:55:13,280

had before in mercury and Gemini is that

1322

00:55:19,810 --> 00:55:16,460

mercury was a tiny tiny capsule that you

1323

00:55:22,750 --> 00:55:19,820

had a shoehorn the astronaut in Gemini

1324

00:55:26,200 --> 00:55:22,760

was not really much better it was able

1325

00:55:29,020 --> 00:55:26,210

to fold two astronauts but they too were

1326
00:55:32,440 --> 00:55:29,030
in rather cramped space but in Apollo

1327
00:55:36,790 --> 00:55:32,450
you've got this spacious big spaceship

1328
00:55:40,060 --> 00:55:36,800
and lo and behold we found out that they

1329
00:55:43,360 --> 00:55:40,070
had something they called SAS space

1330
00:55:46,030 --> 00:55:43,370
adaptation syndrome which is the same

1331
00:55:48,040 --> 00:55:46,040
thing as seasickness now is this

1332
00:55:50,050 --> 00:55:48,050
particularly because the inner ear

1333
00:55:51,940 --> 00:55:50,060
because it's got this area to roam

1334
00:55:54,390 --> 00:55:51,950
around in it can't work out what's up

1335
00:55:57,820 --> 00:55:54,400
and down and that causes a confusion I

1336
00:56:00,130 --> 00:55:57,830
believe that it is one of the ideas that

1337
00:56:02,830 --> 00:56:00,140
they they've uh

1338
00:56:07,690 --> 00:56:02,840

too but again I don't think the science

1339

00:56:09,400 --> 00:56:07,700

has really been well investigated but it

1340

00:56:12,790 --> 00:56:09,410

seemed like we didn't have this problem

1341

00:56:16,120 --> 00:56:12,800

for many hours of spaceflight on the two

1342

00:56:19,810 --> 00:56:16,130

previous programs but Apollo especially

1343

00:56:22,870 --> 00:56:19,820

Apollo 7 and and someone on Apollo 8 and

1344

00:56:25,960 --> 00:56:22,880

the other thing that gets confused in

1345

00:56:28,660 --> 00:56:25,970

all this is the astronauts really want

1346

00:56:32,650 --> 00:56:28,670

to believe they're super human and so

1347

00:56:36,100 --> 00:56:32,660

when they start getting ill or or air

1348

00:56:38,470 --> 00:56:36,110

sick or what if your artistic um they're

1349

00:56:42,700 --> 00:56:38,480

not too forthcoming and saying hey guys

1350

00:56:46,360 --> 00:56:42,710

I'm I'm sick today don't have me do

1351

00:56:48,520 --> 00:56:46,370

anything this is a typical of test

1352

00:56:51,430 --> 00:56:48,530

pilots and astronauts do you think by

1353

00:56:53,470 --> 00:56:51,440

drawing from scientists rather than test

1354

00:56:55,240 --> 00:56:53,480

pilots and a few of the astronauts that

1355

00:56:56,860 --> 00:56:55,250

went to the moon where actual scientists

1356

00:56:58,680 --> 00:56:56,870

rather than that it's a different type

1357

00:57:02,800 --> 00:56:58,690

of person you get a different result

1358

00:57:05,020 --> 00:57:02,810

well um no I don't think that's been our

1359

00:57:08,950 --> 00:57:05,030

experience for example the worst case of

1360

00:57:12,520 --> 00:57:08,960

this was on the Apollo mission that

1361

00:57:15,160 --> 00:57:12,530

rusty Schweickart blue he got violently

1362

00:57:20,680 --> 00:57:15,170

ill he was basically out of commission

1363

00:57:23,680 --> 00:57:20,690

for a over a day instead and he was just

1364

00:57:28,180 --> 00:57:23,690

really terrible sickness and it was from

1365

00:57:29,560 --> 00:57:28,190

vertigo like sensation inner ear and so

1366

00:57:31,810 --> 00:57:29,570

forth Emma's it was that because he

1367

00:57:34,990 --> 00:57:31,820

didn't have a background as a pilot as

1368

00:57:37,750 --> 00:57:35,000

much as that was was I I don't know

1369

00:57:42,060 --> 00:57:37,760

whether we can attribute that to to his

1370

00:57:46,510 --> 00:57:42,070

problem or not I was not really in the

1371

00:57:49,990 --> 00:57:46,520

arrow medicine just you know sitting in

1372

00:57:52,450 --> 00:57:50,000

meetings and and being concerned about

1373

00:57:54,940 --> 00:57:52,460

it for the flight operations part of it

1374

00:57:58,660 --> 00:57:54,950

yes what actual area of the program were

1375

00:58:02,560 --> 00:57:58,670

you working in okay I started off in

1376

00:58:04,720 --> 00:58:02,570

mercury being assigned to the Atlas

1377

00:58:07,990 --> 00:58:04,730

launch vehicle that was pushing them

1378

00:58:11,200 --> 00:58:08,000

into Earth orbit I did the calculations

1379

00:58:13,840 --> 00:58:11,210

on the performance of the Atlas vs.

1380

00:58:16,360 --> 00:58:13,850

pushing up the spacecraft weed

1381

00:58:19,660 --> 00:58:16,370

into orbit and it really becomes quite a

1382

00:58:22,450 --> 00:58:19,670

probability game and I would brief the

1383

00:58:26,620 --> 00:58:22,460

crews and and management before each

1384

00:58:30,090 --> 00:58:26,630

mercury Floyd also we would give I was

1385

00:58:33,340 --> 00:58:30,100

served Eleison between ourselves and

1386

00:58:36,250 --> 00:58:33,350

NASA and the Air Force who had the Atlas

1387

00:58:38,560 --> 00:58:36,260

rocket so they were responsible for that

1388

00:58:42,400 --> 00:58:38,570

and I was responsible for tying it all

1389

00:58:44,740 --> 00:58:42,410

together and I was in my 20s when all

1390

00:58:48,100 --> 00:58:44,750

this was going on there must have been

1391

00:58:51,930 --> 00:58:48,110

so exciting it was it indeed it was

1392

00:58:55,990 --> 00:58:51,940

really was in amongst all this the

1393

00:58:59,320 --> 00:58:56,000

announcement of President Kennedy that

1394

00:59:01,690 --> 00:58:59,330

we were going to the moon was another

1395

00:59:04,420 --> 00:59:01,700

excitement on top of it and I found out

1396

00:59:07,150 --> 00:59:04,430

after I transferred over from the

1397

00:59:08,650 --> 00:59:07,160

Aeronautics side to the space side that

1398

00:59:12,040 --> 00:59:08,660

we were going to go to a new Space

1399

00:59:14,050 --> 00:59:12,050

Center and I just I have to ask you

1400

00:59:16,630 --> 00:59:14,060

something that Marlo Cassetti with your

1401

00:59:18,340 --> 00:59:16,640

experience at NASA when President

1402

00:59:20,080 --> 00:59:18,350

Kennedy made that announcement I've

1403

00:59:21,820 --> 00:59:20,090

watched that piece of footage a number

1404

00:59:23,590 --> 00:59:21,830

of times have all seen it on various sir

1405

00:59:26,800 --> 00:59:23,600

and he made that speech more than once

1406

00:59:28,300 --> 00:59:26,810

there is one that a very fairly public

1407

00:59:30,220 --> 00:59:28,310

speech and if you look behind him and

1408

00:59:33,700 --> 00:59:30,230

just to the right there's Vice President

1409

00:59:35,170 --> 00:59:33,710

Johnson & Johnson's got his hand against

1410

00:59:38,530 --> 00:59:35,180

the side of his head and you can almost

1411

00:59:40,900 --> 00:59:38,540

see him saying here we go again Jack's

1412

00:59:42,790 --> 00:59:40,910

coming up with one of these weird plans

1413

00:59:45,910 --> 00:59:42,800

it's he's got that look on his face like

1414

00:59:47,860 --> 00:59:45,920

what is he getting us into and I urge

1415

00:59:49,600 --> 00:59:47,870

people to have a look at that whatever

1416

00:59:51,010 --> 00:59:49,610

you see Kennedy giving the speech just

1417

00:59:52,810 --> 00:59:51,020

to the ride have a look at John's and he

1418

00:59:54,850 --> 00:59:52,820

looks like a boy this is going to cost a

1419

00:59:56,290 --> 00:59:54,860

lot of money well the interesting thing

1420

00:59:58,030 --> 00:59:56,300

about that I know that I know the

1421

01:00:01,110 --> 00:59:58,040

footage you're talking about it i've

1422

01:00:03,880 --> 01:00:01,120

i've gotten a laugh out of that too but

1423

01:00:06,340 --> 01:00:03,890

from all accounts of the Kennedy

1424

01:00:08,770 --> 01:00:06,350

administration Vice President Johnson

1425

01:00:11,620 --> 01:00:08,780

was kind of shuffled off to the side he

1426

01:00:16,570 --> 01:00:11,630

wasn't involved in the in the Bay of

1427

01:00:19,630 --> 01:00:16,580

Pigs fiasco or the Cuban Missile Crisis

1428

01:00:22,210 --> 01:00:19,640

and so forth and so on but he was

1429

01:00:25,120 --> 01:00:22,220

appointed by President Kennedy to be

1430

01:00:28,000 --> 01:00:25,130

head of the president's base Council so

1431

01:00:30,700 --> 01:00:28,010

when the decision to

1432

01:00:32,740 --> 01:00:30,710

to go to a new Space Center to build a

1433

01:00:35,500 --> 01:00:32,750

brand-new Space Center to handle the

1434

01:00:37,240 --> 01:00:35,510

Apollo program and all the innova

1435

01:00:39,610 --> 01:00:37,250

missions leading up to the all the

1436

01:00:42,540 --> 01:00:39,620

programs leading up to it he was

1437

01:00:45,400 --> 01:00:42,550

presented with the top three candidate

1438

01:00:48,820 --> 01:00:45,410

number one was berkeley california

1439

01:00:51,310 --> 01:00:48,830

number two was tampa florida and number

1440

01:00:54,130 --> 01:00:51,320

three was houston texas no this is

1441

01:00:56,830 --> 01:00:54,140

rumored I I can't tell you this is what

1442

01:00:59,590 --> 01:00:56,840

really happened but when the site

1443

01:01:02,890 --> 01:00:59,600

selection committee briefed him on their

1444

01:01:06,040 --> 01:01:02,900

their recommendations he looked at the

1445

01:01:09,670 --> 01:01:06,050

leader of the group and said we're in

1446

01:01:12,790 --> 01:01:09,680

Texas is exactly in Texas is Berkeley

1447

01:01:15,790 --> 01:01:12,800

sexy and of course there's no such thing

1448

01:01:17,680 --> 01:01:15,800

as Berkeley Texas so he went down the

1449

01:01:21,490 --> 01:01:17,690

list and picked Houston well he was a

1450

01:01:24,070 --> 01:01:21,500

proud Texan oil man he was indeed a

1451

01:01:28,600 --> 01:01:24,080

shrewd politician we've probably never

1452

01:01:30,850 --> 01:01:28,610

had as good a political expert is Lyndon

1453

01:01:33,520 --> 01:01:30,860

Johnson for president he could work with

1454

01:01:36,070 --> 01:01:33,530

Congress and the Supreme Court and

1455

01:01:39,520 --> 01:01:36,080

everything else like an expert he could

1456

01:01:41,140 --> 01:01:39,530

play them like a fiddle yeah I I enjoy

1457

01:01:42,400 --> 01:01:41,150

hearing those White House tapes that

1458

01:01:44,290 --> 01:01:42,410

have since been released of his

1459

01:01:46,300 --> 01:01:44,300

conversations but well with the with the

1460

01:01:49,060 --> 01:01:46,310

Kennedys and with some of the civil

1461

01:01:50,890 --> 01:01:49,070

rights people and like yeah he was and

1462

01:01:52,540 --> 01:01:50,900

he he also had a reputation of being a

1463

01:01:55,360 --> 01:01:52,550

bit bit blue with some of the press

1464

01:01:58,660 --> 01:01:55,370

conferences he did as well you bet you

1465

01:02:01,720 --> 01:01:58,670

bet he was he was your typical Texan and

1466

01:02:05,040 --> 01:02:01,730

people don't you gotta live in Texas for

1467

01:02:19,990 --> 01:02:05,050

26 years like I did you really

1468

01:02:27,700 --> 01:02:23,960

hey Kenny oh hi Tom I stay at this park

1469

01:02:30,110 --> 01:02:27,710

yeah yes great weather oh look a unicorn

1470

01:02:33,290 --> 01:02:30,120

unicorn there are no such things as

1471

01:02:35,480 --> 01:02:33,300

unicorns silly yes there is no there

1472

01:02:37,750 --> 01:02:35,490

isn't hey guys what are you arguing

1473

01:02:40,760 --> 01:02:37,760

about tom thinks unicorns are real

1474

01:02:43,850 --> 01:02:40,770

thanks so r let's look this up in the

1475

01:02:45,620 --> 01:02:43,860

skeptics dictionary the what how can we

1476

01:02:47,300 --> 01:02:45,630

do this in this park there is no

1477

01:02:49,010 --> 01:02:47,310

computer here you guys probably don't

1478

01:02:52,070 --> 01:02:49,020

know about the skeptics dictionary app

1479

01:02:56,000 --> 01:02:52,080

available now for iPhone iPad and iPod

1480

01:02:57,560 --> 01:02:56,010

touch in the app store Wow cool the app

1481

01:02:59,780 --> 01:02:57,570

lets you access all of the great

1482

01:03:02,360 --> 01:02:59,790

skeptics dictionary articles when you're

1483

01:03:05,060 --> 01:03:02,370

on the go here let me look up unicorns

1484

01:03:07,610 --> 01:03:05,070

now cool Kenny prepare to be proven

1485

01:03:11,750 --> 01:03:07,620

wrong it says here the Unicorn is a

1486

01:03:13,010 --> 01:03:11,760

creature from fables aha actually I see

1487

01:03:15,590 --> 01:03:13,020

now that someone just dumped their ice

1488

01:03:20,260 --> 01:03:15,600

cream cone on that horse's head thanks

1489

01:03:34,250 --> 01:03:29,260

you

1490

01:03:37,190 --> 01:03:34,260

Sonnen what a mixed bag the skeptic zone

1491

01:03:38,900 --> 01:03:37,200

was today it's one of the things I like

1492

01:03:40,910 --> 01:03:38,910

about the skeptics own you never know

1493

01:03:43,040 --> 01:03:40,920

what you're going to get I never know

1494

01:03:45,170 --> 01:03:43,050

what what you're going to get week to

1495

01:03:46,820 --> 01:03:45,180

week it's a bit of a surprise to me but

1496

01:03:49,280 --> 01:03:46,830

I can tell you one thing coming up in

1497

01:03:51,710 --> 01:03:49,290

the next few weeks more interviews from

1498

01:03:53,380 --> 01:03:51,720

the amazing meeting more information

1499

01:03:56,030 --> 01:03:53,390

about the upcoming Australian skeptics

1500

01:03:59,210 --> 01:03:56,040

National Convention more main ardmore

1501

01:04:00,920 --> 01:03:59,220

dr. Aichi what more could you want and

1502

01:04:03,920 --> 01:04:00,930

again thank you to all those people who

1503

01:04:07,760 --> 01:04:03,930

came up and say hello to me and Joe

1504

01:04:09,730 --> 01:04:07,770

Benna mu at the amazing meeting in Las

1505

01:04:11,900 --> 01:04:09,740

Vegas what a lot of fun that was and

1506

01:04:14,860 --> 01:04:11,910

thank you to the James Randi Educational

1507

01:04:17,090 --> 01:04:14,870

Foundation and especially to DJ Grothe

1508

01:04:20,930 --> 01:04:17,100

always a pleasure to work with you DJ

1509

01:04:27,700 --> 01:04:20,940

and until next week this is Richard

1510

01:04:35,120 --> 01:04:30,110

you've been listening to the skeptic

1511

01:04:38,870 --> 01:04:35,130

zone visit our website at www.skeptics