

1
00:00:05,929 --> 00:00:12,589
welcome to the skeptic zone the podcast

2
00:00:09,089 --> 00:00:16,439
from Australia for science and reason

3
00:00:12,589 --> 00:00:18,890
yuria hosts Richard Saunders and Stefan

4
00:00:16,440 --> 00:00:18,890
Soyka

5
00:00:21,839 --> 00:00:28,390
hello Richard hello Stefan Stefan it's a

6
00:00:25,600 --> 00:00:31,359
bit crowded in the old skeptic zone

7
00:00:28,390 --> 00:00:32,618
studios today it certainly is I've got

8
00:00:31,359 --> 00:00:34,659
my back to you and everything because

9
00:00:32,618 --> 00:00:36,789
we're using separate microphones and

10
00:00:34,659 --> 00:00:38,079
we're all packed in here we're packed it

11
00:00:36,789 --> 00:00:40,509
we have a special guest for the

12
00:00:38,079 --> 00:00:42,549
introduction Maynard oh i'm sorry i'm

13
00:00:40,509 --> 00:00:44,289
wearing my big pants that reduces the

14
00:00:42,549 --> 00:00:45,549
room available in the area I thought

15
00:00:44,289 --> 00:00:47,679
they went out of fashion but there you

16
00:00:45,549 --> 00:00:48,939
go actually hammer them quantum pants

17
00:00:47,679 --> 00:00:52,570
and a bit like the TARDIS that's all I

18
00:00:48,939 --> 00:00:53,829
can say now we joined by Maynard today

19
00:00:52,570 --> 00:00:55,539
because we're recording and it's

20
00:00:53,829 --> 00:00:57,520
Australia Day so a big salute to

21
00:00:55,539 --> 00:01:00,429
Australia everybody the 26 of January

22
00:00:57,520 --> 00:01:02,260
this is episode number 223 by the way

23
00:01:00,429 --> 00:01:04,019
but we're all here we've got some other

24
00:01:02,259 --> 00:01:06,670
friends in the back room hello friends

25
00:01:04,019 --> 00:01:08,829
there we go we're here to record our

26
00:01:06,670 --> 00:01:11,200
secret project we've got Bananarama in

27
00:01:08,829 --> 00:01:12,849
the room with us Oh on your t-shirt I

28
00:01:11,200 --> 00:01:14,469
know I'm wearing a t-shirt they've just

29

00:01:12,849 --> 00:01:19,019
sounded like Bananarama again let's try

30
00:01:14,469 --> 00:01:20,950
it again hello everybody bananarama

31
00:01:19,019 --> 00:01:22,868
amazing the people who appear on the

32
00:01:20,950 --> 00:01:25,478
skeptic zone yes we're here to record

33
00:01:22,868 --> 00:01:26,978
our secret project but before we do all

34
00:01:25,478 --> 00:01:29,228
that of course we're going to talk tell

35
00:01:26,978 --> 00:01:31,450
everybody what's on the show today yeah

36
00:01:29,228 --> 00:01:33,519
Richard um what he saw the show today

37
00:01:31,450 --> 00:01:35,319
because I'll be able so engrossed in

38
00:01:33,519 --> 00:01:37,179
this little project I don't even know

39
00:01:35,319 --> 00:01:38,950
what's going on anymore we've got an

40
00:01:37,179 --> 00:01:41,350
interview with a very dear friend of

41
00:01:38,950 --> 00:01:43,179
mine Pamela gay the astronomer Pamela

42
00:01:41,349 --> 00:01:46,750
gay who's going to tell us about stars

43
00:01:43,179 --> 00:01:48,670

and planets and her recent adventures in

44

00:01:46,750 --> 00:01:50,228

the universe wasn't that an Orchestral

45

00:01:48,670 --> 00:01:53,890

Manoeuvres in the Dark song I think it

46

00:01:50,228 --> 00:01:56,679

was as a b-side mala gay did it instead

47

00:01:53,890 --> 00:01:58,509

we hammer lagane oh Emily sorry sorry

48

00:01:56,679 --> 00:02:00,728

mum looks big of strange things within

49

00:01:58,509 --> 00:02:02,140

Stefan studio then listen to Pamela gay

50

00:02:00,728 --> 00:02:03,219

and he's got a whole bunch of care sets

51

00:02:02,140 --> 00:02:05,560

over there and it's the greatest

52

00:02:03,219 --> 00:02:07,629

collection of haircut 100 and Spandau

53

00:02:05,560 --> 00:02:09,640

Ballet I've ever seen in cassatt form

54

00:02:07,629 --> 00:02:12,490

tears for fears of solid I have never

55

00:02:09,639 --> 00:02:15,699

seen so many cassettes racked up Stefan

56

00:02:12,490 --> 00:02:18,790

that is impressive anyway after my chat

57

00:02:15,699 --> 00:02:22,299

with Pamela gave its dr. Rachel reports

58
00:02:18,789 --> 00:02:24,280
talking about false balance our false

59
00:02:22,300 --> 00:02:27,880
balance a balance I know all about that

60
00:02:24,280 --> 00:02:29,740
do you you've heard my report so I have

61
00:02:27,879 --> 00:02:31,900
a zero reports very false balance there

62
00:02:29,740 --> 00:02:34,659
very interesting of course to do with

63
00:02:31,900 --> 00:02:37,420
the anti-vaccination lobby crowd

64
00:02:34,659 --> 00:02:39,340
gang group look this many times I've

65
00:02:37,419 --> 00:02:41,649
been involved in something and the

66
00:02:39,340 --> 00:02:44,140
vaccination is just come up and there's

67
00:02:41,650 --> 00:02:45,789
been talk or there's been talk or

68
00:02:44,139 --> 00:02:47,619
there's been or any issue really whether

69
00:02:45,789 --> 00:02:49,389
they try and achieve a balance and

70
00:02:47,620 --> 00:02:50,740
they're not really thinking about

71
00:02:49,389 --> 00:02:52,239
whether they're actually achieving a

72
00:02:50,740 --> 00:02:53,740
balance or they're just getting extra

73
00:02:52,240 --> 00:02:55,659
people to talk on the same topic from

74
00:02:53,740 --> 00:02:57,100
ideas that really don't have any merit I

75
00:02:55,659 --> 00:02:59,289
couldn't have put it any better myself

76
00:02:57,099 --> 00:03:01,000
may not it's happened a few times in

77
00:02:59,289 --> 00:03:03,639
fact there's actually an editorial

78
00:03:01,000 --> 00:03:06,039
passage in the ABC code of practice all

79
00:03:03,639 --> 00:03:07,419
involving balance and false balance I

80
00:03:06,039 --> 00:03:09,849
suggest you look it up I don't know what

81
00:03:07,419 --> 00:03:12,069
section it's in I suspect it's somewhere

82
00:03:09,849 --> 00:03:16,269
after 3.2 because they're that relates

83
00:03:12,069 --> 00:03:18,400
to accuracy again the inside word from

84
00:03:16,270 --> 00:03:20,050
Maynard folks and a round off the show

85
00:03:18,400 --> 00:03:21,939
Maynard of course you're back in

86

00:03:20,050 --> 00:03:24,880
Melbourne talking to Warren Burnett from

87
00:03:21,939 --> 00:03:26,590
in biggin books warm yet a great guy in

88
00:03:24,879 --> 00:03:28,659
big in books is great we find out where

89
00:03:26,590 --> 00:03:30,039
the word in biggin comes from in the

90
00:03:28,659 --> 00:03:32,079
first place during this interview and

91
00:03:30,039 --> 00:03:33,340
also while I was interviewing him and

92
00:03:32,080 --> 00:03:35,110
this will be something so the older

93
00:03:33,340 --> 00:03:37,569
Melbourne listeners a member of

94
00:03:35,110 --> 00:03:39,850
Melbourne band expand the bachelors from

95
00:03:37,569 --> 00:03:41,439
Prague walk past who came in and just

96
00:03:39,849 --> 00:03:42,849
start saying hello to me so we had to

97
00:03:41,439 --> 00:03:44,199
cut that bit out of the interview and

98
00:03:42,849 --> 00:03:46,209
then I had a great chat to warn about

99
00:03:44,199 --> 00:03:48,639
why he does what he does I mean come on

100
00:03:46,209 --> 00:03:51,250

earning a bookshop in a 21st century is

101

00:03:48,639 --> 00:03:53,049

is a tough endeavour it is but it's a

102

00:03:51,250 --> 00:03:55,569

great interview and in Bigham books is a

103

00:03:53,050 --> 00:03:57,640

fantastic book shop in fact why you were

104

00:03:55,569 --> 00:04:00,189

there James Randi pulled the trick on

105

00:03:57,639 --> 00:04:03,369

you he did and he also did this magic

106

00:04:00,189 --> 00:04:04,629

thing as well where he he he told me to

107

00:04:03,370 --> 00:04:07,920

pick a book from the shelf we need a

108

00:04:04,629 --> 00:04:11,259

bomb tishner book from the shelf and

109

00:04:07,919 --> 00:04:13,089

open a page that I chose and read the

110

00:04:11,259 --> 00:04:16,180

first word and he knew what that first

111

00:04:13,090 --> 00:04:18,819

sentence was incredible and it's called

112

00:04:16,180 --> 00:04:20,168

the book trick in magic circles and the

113

00:04:18,819 --> 00:04:21,939

thing is there's a number of ways you

114

00:04:20,168 --> 00:04:23,649

can do it I suspected you were involved

115
00:04:21,939 --> 00:04:25,660
in a Richard you suspected that at a

116
00:04:23,649 --> 00:04:27,069
time but i can tell you sincerely I was

117
00:04:25,660 --> 00:04:29,380
just there as an innocent bystander

118
00:04:27,069 --> 00:04:30,639
taking photographs I had no idea that

119
00:04:29,379 --> 00:04:32,560
that trick was coming but it's a great

120
00:04:30,639 --> 00:04:34,149
trick I've got no idea how I did it he

121
00:04:32,560 --> 00:04:35,649
could've done a couple different ways I

122
00:04:34,149 --> 00:04:38,079
haven't even bothered to look up on the

123
00:04:35,649 --> 00:04:39,699
net because for me I want to be amazed

124
00:04:38,079 --> 00:04:42,189
look I think the expression it's fun to

125
00:04:39,699 --> 00:04:44,439
be fooled and I was fun being fooled it

126
00:04:42,189 --> 00:04:46,300
was great and and I've got bad farmer

127
00:04:44,439 --> 00:04:47,920
there i bought the book bad farmer d-day

128
00:04:46,300 --> 00:04:49,569
a good one oh yeah yeah

129
00:04:47,920 --> 00:04:51,189
oh that reminds me that timer you

130
00:04:49,569 --> 00:04:53,349
tricked me with the the card trick

131
00:04:51,189 --> 00:04:54,910
Richard where I was totally full but I

132
00:04:53,350 --> 00:04:57,430
was on bad farmer at that stage oh

133
00:04:54,910 --> 00:04:59,110
really yeah so he only had two cards or

134
00:04:57,430 --> 00:05:01,629
when you pick a card it's wrong the

135
00:04:59,110 --> 00:05:03,490
first time and then it's amazing you've

136
00:05:01,629 --> 00:05:05,319
got it the second time the only way to

137
00:05:03,490 --> 00:05:07,210
do magic folks Stefan I think we better

138
00:05:05,319 --> 00:05:08,709
get on with it yes we'd better get on

139
00:05:07,209 --> 00:05:10,209
with the show and because we're really

140
00:05:08,709 --> 00:05:12,339
engrossed in this project so let's just

141
00:05:10,209 --> 00:05:14,680
do the show and then we can get on and

142
00:05:12,339 --> 00:05:16,629
do this magic realism let's all sit back

143

00:05:14,680 --> 00:05:18,220
now why do we all sit back now we'll

144
00:05:16,629 --> 00:05:19,779
have some of this lovely Stefan cold

145
00:05:18,220 --> 00:05:22,210
water you've poured for us in the studio

146
00:05:19,779 --> 00:05:23,859
you'll all enjoy the skeptic zone and

147
00:05:22,209 --> 00:05:25,060
then we'll get on with the project it's

148
00:05:23,860 --> 00:05:27,490
all right for you i'm actually going to

149
00:05:25,060 --> 00:05:29,139
have a drink of Bananarama a band named

150
00:05:27,490 --> 00:05:32,730
after a drink you gotta love that what

151
00:05:29,139 --> 00:05:32,729
do you think is yeah

152
00:05:48,980 --> 00:05:55,950
and joining me on the line from

153
00:05:51,720 --> 00:05:58,140
wonderfully cool cold crisp snowy and

154
00:05:55,949 --> 00:06:02,250
did I said mention cool Edwardsville

155
00:05:58,139 --> 00:06:04,560
Illinois Pamela gay hello Pamela hello

156
00:06:02,250 --> 00:06:06,300
Richard how are you doing I'm doing okay

157
00:06:04,560 --> 00:06:08,540

apart from the fact that it's stinking

158

00:06:06,300 --> 00:06:11,250

hot in the Sydney and high humidity but

159

00:06:08,540 --> 00:06:12,750

the only good thing is um it makes the

160

00:06:11,250 --> 00:06:15,418

beach rather attractive but apart from

161

00:06:12,750 --> 00:06:17,639

that I think I'd rather swap with you I

162

00:06:15,418 --> 00:06:20,039

you know we we have this strange

163

00:06:17,639 --> 00:06:22,560

combination of our first flowers are

164

00:06:20,040 --> 00:06:24,090

starting to come up but we're also still

165

00:06:22,560 --> 00:06:26,009

getting smell so it's an interesting

166

00:06:24,089 --> 00:06:27,479

time of the year where Mother Nature

167

00:06:26,009 --> 00:06:30,000

doesn't know what it should be and

168

00:06:27,480 --> 00:06:32,040

sometimes I wonder pamer if you know

169

00:06:30,000 --> 00:06:34,439

what you should be away you should be I

170

00:06:32,040 --> 00:06:38,160

noticed that you do an awful lot of

171

00:06:34,439 --> 00:06:42,360

traveling it's quite scary I I do it's

172
00:06:38,160 --> 00:06:44,160
really quite amazing at times I but what

173
00:06:42,360 --> 00:06:47,970
I'm doing is working to travel the world

174
00:06:44,160 --> 00:06:50,490
and build a community of people who are

175
00:06:47,970 --> 00:06:52,919
learning and doing science together and

176
00:06:50,490 --> 00:06:55,290
we meet in the real world and then we

177
00:06:52,918 --> 00:06:57,779
take what we're doing online and keep

178
00:06:55,290 --> 00:07:00,090
the journey of exploration going that's

179
00:06:57,779 --> 00:07:02,279
very exciting and I know you're a woman

180
00:07:00,089 --> 00:07:05,039
who really does use the internet

181
00:07:02,279 --> 00:07:07,349
probably to its fullest extent or as

182
00:07:05,040 --> 00:07:08,879
much as you possibly can can you tell

183
00:07:07,350 --> 00:07:11,280
our audience a little bit about your

184
00:07:08,879 --> 00:07:15,750
internet internet activities including

185
00:07:11,279 --> 00:07:18,289
these google hangouts yes so just like

186
00:07:15,750 --> 00:07:21,990
you I got my start in some ways with

187
00:07:18,290 --> 00:07:24,000
podcasting and as the technology is

188
00:07:21,990 --> 00:07:27,329
changed we've gotten to do more and more

189
00:07:24,000 --> 00:07:29,699
amazing things and most recently Google

190
00:07:27,329 --> 00:07:32,039
and Google Plus launched what's called

191
00:07:29,699 --> 00:07:34,769
google hangouts on air and it's this

192
00:07:32,040 --> 00:07:37,830
amazing free technology that allows up

193
00:07:34,769 --> 00:07:40,349
to 10 different people to gather via

194
00:07:37,829 --> 00:07:42,149
video conferencing software but it's

195
00:07:40,350 --> 00:07:45,180
smart software that will naturally go

196
00:07:42,149 --> 00:07:46,859
from one person to another that enables

197
00:07:45,180 --> 00:07:49,019
screen sharing and has many other

198
00:07:46,860 --> 00:07:51,120
additional features and

199
00:07:49,019 --> 00:07:53,639
on week we can take this video

200

00:07:51,120 --> 00:07:55,348
conversation that we're generating and

201
00:07:53,639 --> 00:07:58,408
we can share it out to the world via

202
00:07:55,348 --> 00:08:01,740
YouTube live and and reusing this to do

203
00:07:58,408 --> 00:08:03,658
things like every Sunday evening we get

204
00:08:01,740 --> 00:08:06,030
together a bunch of amateur astronomers

205
00:08:03,658 --> 00:08:08,399
with telescopes and we hold a star party

206
00:08:06,029 --> 00:08:11,158
where we invite people to look through

207
00:08:08,399 --> 00:08:15,120
telescopes with us and just explore the

208
00:08:11,158 --> 00:08:17,759
sky that's a that's rather exciting

209
00:08:15,120 --> 00:08:21,329
stuff I'm sure that those hangouts must

210
00:08:17,759 --> 00:08:24,840
be very popular it's really amazing how

211
00:08:21,329 --> 00:08:26,750
many people we get joining us and we're

212
00:08:24,839 --> 00:08:29,129
looking to take this from not just

213
00:08:26,750 --> 00:08:31,408
several hundred people gathering around

214
00:08:29,129 --> 00:08:33,838

to look through the telescopes but we

215

00:08:31,408 --> 00:08:37,139

also stream out special events we did

216

00:08:33,839 --> 00:08:39,930

live coverage of Mars Curiosity Lander

217

00:08:37,139 --> 00:08:42,569

while landing we we've covered the

218

00:08:39,929 --> 00:08:44,278

transit of Venus and as we move into the

219

00:08:42,570 --> 00:08:46,290

future we're working to work more and

220

00:08:44,278 --> 00:08:49,708

more with NASA and other missions to

221

00:08:46,289 --> 00:08:51,649

help find ways for people to stay up to

222

00:08:49,708 --> 00:08:53,609

date and what's going on in astronomy

223

00:08:51,649 --> 00:08:56,429

well that's it's one of the most

224

00:08:53,610 --> 00:08:58,680

interesting areas of science I think

225

00:08:56,429 --> 00:09:01,078

I've always loved astronomy and it's

226

00:08:58,679 --> 00:09:03,838

it's a nice time occasionally of course

227

00:09:01,078 --> 00:09:06,299

with with skepticism especially when we

228

00:09:03,839 --> 00:09:07,500

think back and our mutual friend dr.

229

00:09:06,299 --> 00:09:10,319

Phil Plait was certainly involved

230

00:09:07,500 --> 00:09:12,929

heavily in this in criticizing a lot of

231

00:09:10,320 --> 00:09:14,339

the silly myths about the moon landing

232

00:09:12,929 --> 00:09:16,439

or the moon landing hoax the moon

233

00:09:14,339 --> 00:09:18,029

landing never happened and that sort of

234

00:09:16,440 --> 00:09:21,660

thing and you're a very popular

235

00:09:18,028 --> 00:09:23,370

presenter at many skeptical conventions

236

00:09:21,659 --> 00:09:25,649

yourself in fact the last time I saw you

237

00:09:23,370 --> 00:09:30,450

I think was at the amazing meeting in

238

00:09:25,649 --> 00:09:33,778

Las Vegas it was and one of the things

239

00:09:30,450 --> 00:09:36,509

that unfortunately a lot of people don't

240

00:09:33,778 --> 00:09:39,269

get to experience is someone talking to

241

00:09:36,509 --> 00:09:40,919

them about science who's talking from

242

00:09:39,269 --> 00:09:42,778

the perspective of love rather than

243
00:09:40,919 --> 00:09:45,360
talking from the perspective of must

244
00:09:42,778 --> 00:09:49,708
must teach you all of these specific

245
00:09:45,360 --> 00:09:51,990
concepts for your next exam and I try to

246
00:09:49,708 --> 00:09:53,939
get to speak from the perspective of

247
00:09:51,990 --> 00:09:56,459
this is something that I'm passionate

248
00:09:53,940 --> 00:09:58,680
about let me share my passion with you

249
00:09:56,458 --> 00:10:00,328
and because of that I've gotten to go to

250
00:09:58,679 --> 00:10:01,919
be amazing meeting I've even gotten to

251
00:10:00,328 --> 00:10:03,569
visit you down there and I

252
00:10:01,919 --> 00:10:07,528
jelly ever would be amazed and leading

253
00:10:03,570 --> 00:10:10,379
was down there and it's open the door

254
00:10:07,528 --> 00:10:13,289
for me to say not only here's the

255
00:10:10,379 --> 00:10:15,990
science that i love but also here's how

256
00:10:13,289 --> 00:10:19,740
you can be part of doing the science i

257

00:10:15,990 --> 00:10:22,139
love and we've launched recently me Phil

258
00:10:19,740 --> 00:10:24,240
Plait you just mentioned Fraser Cain and

259
00:10:22,139 --> 00:10:26,730
many others noisy astronomer bald

260
00:10:24,240 --> 00:10:29,600
astronomer we want to say it called

261
00:10:26,730 --> 00:10:31,980
cosmic west where we were to take this

262
00:10:29,600 --> 00:10:34,290
audience of people that we garner from

263
00:10:31,980 --> 00:10:36,659
these conventions and bring them online

264
00:10:34,289 --> 00:10:38,370
with us and invite them to help us look

265
00:10:36,659 --> 00:10:40,860
through data from a variety of different

266
00:10:38,370 --> 00:10:43,198
NASA missions and find the

267
00:10:40,860 --> 00:10:46,199
scientifically interesting features in

268
00:10:43,198 --> 00:10:50,549
the middle of vast plains of craters of

269
00:10:46,198 --> 00:10:52,889
great long stretches of volcanic tubes

270
00:10:50,549 --> 00:10:55,439
that stretch across the services of a

271
00:10:52,889 --> 00:10:58,850

variety of rocky worlds within our solar

272

00:10:55,440 --> 00:11:01,760
system that's so interesting and I think

273

00:10:58,850 --> 00:11:04,800
relatively recently I seem to remember

274

00:11:01,759 --> 00:11:07,649
is I think it was dr. Phil Plait posted

275

00:11:04,799 --> 00:11:09,509
up a picture or some information about a

276

00:11:07,649 --> 00:11:13,860
double impact crater on the moon which

277

00:11:09,509 --> 00:11:16,169
was so fascinating yes and and that's

278

00:11:13,860 --> 00:11:18,570
that's the cool thing about so much of

279

00:11:16,169 --> 00:11:20,370
this is I were still learning things

280

00:11:18,570 --> 00:11:21,930
you're still discovering things and that

281

00:11:20,370 --> 00:11:24,690
double crater that was one of those

282

00:11:21,929 --> 00:11:28,229
moments where a broken comment or a

283

00:11:24,690 --> 00:11:30,750
shattered asteroid and its orbit around

284

00:11:28,230 --> 00:11:32,759
our Sun well its orbit happen to just

285

00:11:30,750 --> 00:11:35,698
intervene with the surface of the moon

286
00:11:32,759 --> 00:11:38,009
and so you see this set of craters one

287
00:11:35,698 --> 00:11:40,409
next to another created by a broken

288
00:11:38,009 --> 00:11:43,309
object getting even more broken up as it

289
00:11:40,409 --> 00:11:47,129
hits them in isn't that interesting and

290
00:11:43,309 --> 00:11:50,039
it's just beyond our wildest

291
00:11:47,129 --> 00:11:52,708
imaginations what even on the moon what

292
00:11:50,039 --> 00:11:57,448
is waiting for us to there to be

293
00:11:52,708 --> 00:12:00,328
discovered and what we're doing now is

294
00:11:57,448 --> 00:12:03,568
we're working to find as scientifically

295
00:12:00,328 --> 00:12:05,609
interesting places that someday we'll be

296
00:12:03,568 --> 00:12:07,679
able to go visit maybe not you and I

297
00:12:05,610 --> 00:12:09,990
maybe it will be the next generation or

298
00:12:07,679 --> 00:12:12,719
maybe it'll just be such a rare number

299
00:12:09,990 --> 00:12:14,669
of people that that it's going to be ten

300
00:12:12,720 --> 00:12:15,290
other people and other of us or part of

301
00:12:14,669 --> 00:12:18,539
that

302
00:12:15,289 --> 00:12:21,778
but but we're finding those places today

303
00:12:18,539 --> 00:12:23,639
that in tomorrows tomorrow someone is

304
00:12:21,778 --> 00:12:27,688
going to go and stand and pick up a rock

305
00:12:23,639 --> 00:12:30,058
and explore it for us absolutely and I

306
00:12:27,688 --> 00:12:34,230
guess if we can't go there pamela at

307
00:12:30,058 --> 00:12:36,778
least we can see very rich images and

308
00:12:34,230 --> 00:12:38,970
hopefully you know very detailed almost

309
00:12:36,778 --> 00:12:40,528
virtual reality of these places I would

310
00:12:38,970 --> 00:12:42,240
find that exciting I would find it

311
00:12:40,528 --> 00:12:44,519
exciting to walk across a virtual

312
00:12:42,240 --> 00:12:46,470
reality simulation of the moon which was

313
00:12:44,519 --> 00:12:48,389
perfect to the nearest millimeter or

314

00:12:46,470 --> 00:12:51,839
something like that and we're actually

315
00:12:48,389 --> 00:12:55,259
getting to the ability to do things sort

316
00:12:51,839 --> 00:12:58,579
of like that with with Mars the Mars

317
00:12:55,259 --> 00:13:00,990
Curiosity Lander it has a set of eyes

318
00:12:58,578 --> 00:13:03,088
separated much like our own human eyes

319
00:13:00,990 --> 00:13:06,120
are separated one from the other and

320
00:13:03,089 --> 00:13:08,999
using stereoscopic imagery that's been

321
00:13:06,120 --> 00:13:11,610
sent back to us from the red planet we

322
00:13:08,999 --> 00:13:14,519
can ride along with the rover looking

323
00:13:11,610 --> 00:13:17,610
through its eyes and see that 3d reality

324
00:13:14,519 --> 00:13:20,818
that stretches around us that virtual

325
00:13:17,610 --> 00:13:22,230
future is coming and there's actually a

326
00:13:20,818 --> 00:13:25,409
youtube video that is put together

327
00:13:22,230 --> 00:13:27,839
during the hackfest at the american

328
00:13:25,409 --> 00:13:30,448

astronomical society is meaning this

329

00:13:27,839 --> 00:13:34,230

year that will allow you with with red

330

00:13:30,448 --> 00:13:36,899

blue 3d glasses too well right along and

331

00:13:34,230 --> 00:13:39,688

see that during the village of Mars

332

00:13:36,899 --> 00:13:41,159

that's exciting who knows pamelia maybe

333

00:13:39,688 --> 00:13:42,629

we can invent a new name for this

334

00:13:41,159 --> 00:13:47,100

technology all why don't know we could

335

00:13:42,629 --> 00:13:48,749

call it the holodeck email i'm all for

336

00:13:47,100 --> 00:13:51,300

that happening and the sooner the better

337

00:13:48,749 --> 00:13:53,189

and not only do I want that holodeck

338

00:13:51,299 --> 00:13:55,498

that allows you to go in and immerse

339

00:13:53,188 --> 00:13:57,419

yourself in a virtual world but when I'm

340

00:13:55,499 --> 00:14:00,300

waiting for is the holodeck that allows

341

00:13:57,419 --> 00:14:02,278

me from my computer and you from yours

342

00:14:00,299 --> 00:14:05,188

to join one another in a virtual

343
00:14:02,278 --> 00:14:08,299
collaborative space where we can conjure

344
00:14:05,188 --> 00:14:11,068
up the virtual whiteboard and work

345
00:14:08,299 --> 00:14:14,068
simulated humans is simulated human at

346
00:14:11,068 --> 00:14:15,899
building a real teacher had just boggles

347
00:14:14,068 --> 00:14:17,729
the mind doesn't and i think i was i

348
00:14:15,899 --> 00:14:20,789
sent you a little message the other day

349
00:14:17,730 --> 00:14:22,319
saying how nice it would be something

350
00:14:20,789 --> 00:14:24,178
that you and I have never done you've

351
00:14:22,318 --> 00:14:26,789
never taken me out away from the lights

352
00:14:24,178 --> 00:14:28,179
and said let me show you some of my

353
00:14:26,789 --> 00:14:31,360
stars and i think that

354
00:14:28,179 --> 00:14:33,250
be quite a wonderful experience you know

355
00:14:31,360 --> 00:14:35,230
Richard some of the best stars to be

356
00:14:33,250 --> 00:14:37,299
seen are actually down in your part of

357
00:14:35,230 --> 00:14:39,580
the world so this one's on you to find a

358
00:14:37,299 --> 00:14:41,649
new way to bring me back down under so

359
00:14:39,580 --> 00:14:43,930
that well maybe this time we can escape

360
00:14:41,649 --> 00:14:47,519
the confines of Sydney and go out and

361
00:14:43,929 --> 00:14:50,620
look up at the amazing southern skies oh

362
00:14:47,519 --> 00:14:52,329
the man who does the voice overs for the

363
00:14:50,620 --> 00:14:54,100
skeptic zone a guy called Jim Wilshire

364
00:14:52,330 --> 00:14:56,200
who does the introductions as hello

365
00:14:54,100 --> 00:15:00,550
welcome to the skeptics and he lives on

366
00:14:56,200 --> 00:15:02,800
a farm down in near Aubrey which is way

367
00:15:00,549 --> 00:15:04,659
out in the countryside when I visit him

368
00:15:02,799 --> 00:15:07,149
from time to time and I walk outside at

369
00:15:04,659 --> 00:15:10,539
night there is no light pollution it's

370
00:15:07,149 --> 00:15:13,690
just extraordinary just beautiful

371

00:15:10,539 --> 00:15:16,449
beautiful seeing conditions and and the

372
00:15:13,690 --> 00:15:20,410
amazing thing is that in those dark

373
00:15:16,450 --> 00:15:22,959
places on those spring nights when the

374
00:15:20,409 --> 00:15:25,778
Milky Way is overhead and the large and

375
00:15:22,958 --> 00:15:27,909
small magellanic clouds are off to the

376
00:15:25,778 --> 00:15:31,149
side like someone has taken a bit from

377
00:15:27,909 --> 00:15:33,278
the Milky Way just tossed it away on

378
00:15:31,149 --> 00:15:35,620
those nights we can really see the

379
00:15:33,278 --> 00:15:37,838
diversity of what our sky has to offer

380
00:15:35,620 --> 00:15:39,909
to pee right into star forming regions

381
00:15:37,839 --> 00:15:42,520
like the create great cream in the

382
00:15:39,909 --> 00:15:45,549
beulah as as we see the disks of our

383
00:15:42,519 --> 00:15:48,819
disk of our own galaxy in the messed up

384
00:15:45,549 --> 00:15:51,189
religions of those two by black clouds

385
00:15:48,820 --> 00:15:53,470

that the sky down there just has so much

386

00:15:51,190 --> 00:15:56,500
to offer and and let's let's never

387

00:15:53,470 --> 00:16:00,610
forget the dark expanses of dust that

388

00:15:56,500 --> 00:16:02,470
make the MU constellation that got named

389

00:16:00,610 --> 00:16:04,028
because of a little critter that well

390

00:16:02,470 --> 00:16:07,240
walks around in the outback of your

391

00:16:04,028 --> 00:16:10,389
country not so little and one thing that

392

00:16:07,240 --> 00:16:13,629
I I take advantage of in the last few

393

00:16:10,389 --> 00:16:16,240
years and it's very few years recently

394

00:16:13,629 --> 00:16:18,879
are these interesting apps that you have

395

00:16:16,240 --> 00:16:21,970
on various handheld devices like ipad in

396

00:16:18,879 --> 00:16:25,059
like iphone etc which lets you hold your

397

00:16:21,970 --> 00:16:27,129
device up to the sky swing it around and

398

00:16:25,059 --> 00:16:29,699
it'll tell you what you're looking at in

399

00:16:27,129 --> 00:16:32,769
the sky I think that's just marvelous

400
00:16:29,700 --> 00:16:34,509
yeah the star walk app is one of the

401
00:16:32,769 --> 00:16:37,000
ones that I tend to use the most it's

402
00:16:34,509 --> 00:16:38,919
one that actively supported the

403
00:16:37,000 --> 00:16:39,169
international year of astronomy and kind

404
00:16:38,919 --> 00:16:43,639
of

405
00:16:39,169 --> 00:16:47,028
on me over when it did that and the the

406
00:16:43,639 --> 00:16:49,610
the apps they allow us to look up and

407
00:16:47,028 --> 00:16:52,820
not just go wow what is that but to go

408
00:16:49,610 --> 00:16:55,129
wow what is that and find the answer and

409
00:16:52,820 --> 00:16:58,220
it's that ability to understand our

410
00:16:55,129 --> 00:17:01,909
universe that I think makes astronomy so

411
00:16:58,220 --> 00:17:04,308
magical we actually have the ability

412
00:17:01,909 --> 00:17:06,649
through observation and the application

413
00:17:04,308 --> 00:17:09,410
amount to actually with our own minds

414
00:17:06,650 --> 00:17:11,269
working on our own desks to figure out

415
00:17:09,410 --> 00:17:13,669
what that is that we're seeing in the

416
00:17:11,269 --> 00:17:16,699
sky to understand what are the origins

417
00:17:13,669 --> 00:17:19,309
of our universe and predict how our

418
00:17:16,699 --> 00:17:21,529
universe is going to change as well

419
00:17:19,308 --> 00:17:23,389
future generations and pace your

420
00:17:21,529 --> 00:17:25,308
civilizations continue to watch it

421
00:17:23,390 --> 00:17:27,829
through time now of course your love of

422
00:17:25,308 --> 00:17:31,639
all things astronomical is is well known

423
00:17:27,828 --> 00:17:34,308
and your love of podcasting to tell me

424
00:17:31,640 --> 00:17:36,919
how long how long now has astronomy cast

425
00:17:34,308 --> 00:17:41,240
been going oh wow it's really quite

426
00:17:36,919 --> 00:17:45,580
amazing we uh we're coming up on seven

427
00:17:41,240 --> 00:17:50,120
years now really it's we started this in

428

00:17:45,579 --> 00:17:53,539
September of 2006 and and we're still

429
00:17:50,119 --> 00:17:55,279
going strong and it's really been

430
00:17:53,539 --> 00:17:57,678
amazing to get to work with Fraser Cain

431
00:17:55,279 --> 00:18:00,139
the produced over in universe today and

432
00:17:57,679 --> 00:18:04,460
to publish your other of Universe Today

433
00:18:00,140 --> 00:18:07,280
and two together every week be able to

434
00:18:04,460 --> 00:18:10,390
take on new topics and astronomy and I

435
00:18:07,279 --> 00:18:13,099
don't see our show ever ending because

436
00:18:10,390 --> 00:18:15,049
astronomy itself this is constantly

437
00:18:13,099 --> 00:18:16,939
changing we're constantly learning new

438
00:18:15,048 --> 00:18:19,548
things and over time we're going to get

439
00:18:16,940 --> 00:18:22,340
to go back and change some of the shows

440
00:18:19,548 --> 00:18:26,089
that we've done and redo them as as our

441
00:18:22,339 --> 00:18:28,269
understanding gets redone as well that's

442
00:18:26,089 --> 00:18:30,529

very exciting and since one of the the

443

00:18:28,269 --> 00:18:32,839

podcasts I started listening to a long

444

00:18:30,529 --> 00:18:36,019

time ago well certainly of course before

445

00:18:32,839 --> 00:18:41,119

the skeptic zone podcast started started

446

00:18:36,019 --> 00:18:43,279

up and since I think either episode 10

447

00:18:41,119 --> 00:18:46,369

episode to pamorah of the skeptic zone

448

00:18:43,279 --> 00:18:48,740

I've been plugging astronomy cast oh I

449

00:18:46,369 --> 00:18:50,569

hope I get a gold star for that you

450

00:18:48,740 --> 00:18:52,750

certainly do you you've been a friend

451

00:18:50,569 --> 00:18:55,569

with the show for a long time

452

00:18:52,750 --> 00:18:59,650

I I remember that first dragon con with

453

00:18:55,569 --> 00:19:01,929

when we met and it's it's great that we

454

00:18:59,650 --> 00:19:03,730

work in a field where we can continue to

455

00:19:01,930 --> 00:19:06,490

support one another through the years

456

00:19:03,730 --> 00:19:08,950

and this is part of the reason that I've

457
00:19:06,490 --> 00:19:11,079
stayed with me immediate or so long and

458
00:19:08,950 --> 00:19:13,090
why I've continued to find new ways to

459
00:19:11,079 --> 00:19:16,299
evolve what I need to match the

460
00:19:13,089 --> 00:19:18,179
constantly changing technologies it's

461
00:19:16,299 --> 00:19:20,829
because I get to work with people who

462
00:19:18,180 --> 00:19:23,140
actively say how can I help how can we

463
00:19:20,829 --> 00:19:25,629
support each other how how did we make

464
00:19:23,140 --> 00:19:28,150
the world better through science through

465
00:19:25,630 --> 00:19:30,490
skepticism using new media to support

466
00:19:28,150 --> 00:19:32,980
one another and support society it was

467
00:19:30,490 --> 00:19:35,170
the first time I was at dragoncon in

468
00:19:32,980 --> 00:19:39,130
atlanta georgia i think that was 2008

469
00:19:35,170 --> 00:19:41,440
and i was a lamb in the woods I didn't

470
00:19:39,130 --> 00:19:43,660
know what was going on it was completely

471
00:19:41,440 --> 00:19:45,880
incredible that all these people running

472
00:19:43,660 --> 00:19:49,540
around in costumes and the high heat and

473
00:19:45,880 --> 00:19:51,310
the bizarre goings-on but i think i was

474
00:19:49,539 --> 00:19:53,980
introduced to you by a phil plait so

475
00:19:51,309 --> 00:19:56,319
that was a very nice memory you know

476
00:19:53,980 --> 00:19:58,210
earlier this evening i actually found a

477
00:19:56,319 --> 00:20:00,899
picture from that year that has the

478
00:19:58,210 --> 00:20:04,120
three of us and i'll have to said that

479
00:20:00,900 --> 00:20:07,990
that's fantastic now Pamela these sites

480
00:20:04,119 --> 00:20:10,239
that you mentioned earlier this the

481
00:20:07,990 --> 00:20:12,069
google activities what's the best place

482
00:20:10,240 --> 00:20:15,400
people can go to check out more about

483
00:20:12,069 --> 00:20:20,079
what you're doing well cosmic west org

484
00:20:15,400 --> 00:20:23,320
is the central area where we go and hug

485

00:20:20,079 --> 00:20:25,210
together all of our various content you

486
00:20:23,319 --> 00:20:28,299
can also find my personal writing at

487
00:20:25,210 --> 00:20:31,390
star shredder calm and follow me on

488
00:20:28,299 --> 00:20:33,639
Twitter or Google+ I'm either star

489
00:20:31,390 --> 00:20:35,980
strata or go but my own name Pamela gay

490
00:20:33,640 --> 00:20:37,570
across all the different media well

491
00:20:35,980 --> 00:20:40,210
Pamela gay I can only wish you

492
00:20:37,569 --> 00:20:43,389
unpolluted skies and good seeing

493
00:20:40,210 --> 00:20:45,400
positions i I'm so glad to be part of

494
00:20:43,390 --> 00:20:48,040
your show and I hope that together we

495
00:20:45,400 --> 00:20:50,490
can build a more skeptical future Thank

496
00:20:48,039 --> 00:20:50,490
You Padma

497
00:21:03,308 --> 00:21:07,548
astronomy cast takes a facts based

498
00:21:05,659 --> 00:21:09,440
journey through the cosmos as it offers

499
00:21:07,548 --> 00:21:12,138

listeners weekly discussions on

500

00:21:09,440 --> 00:21:15,019

astronomical topics ranging from planets

501

00:21:12,138 --> 00:21:17,329

to cosmology hosted by Fraser Cain of

502

00:21:15,019 --> 00:21:18,349

Universe Today and myself dr. Pamela

503

00:21:17,329 --> 00:21:21,019

gave southern illinois university

504

00:21:18,349 --> 00:21:22,878

edwardsville this show brings the

505

00:21:21,019 --> 00:21:25,339

questions of an avid astronomy lover

506

00:21:22,878 --> 00:21:27,408

directly to an astronomer together

507

00:21:25,339 --> 00:21:28,970

Fraser and I explore what is known and

508

00:21:27,409 --> 00:21:31,700

being discovered about the universe

509

00:21:28,970 --> 00:21:33,798

around us join us each week as we take a

510

00:21:31,700 --> 00:21:44,450

fax space journey through the cosmos at

511

00:21:33,798 --> 00:21:47,089

astronomy cast calm now it's time for

512

00:21:44,450 --> 00:21:49,509

dr. Ritchie reports with dr. Rachel

513

00:21:47,089 --> 00:21:52,089

Dunlop

514
00:21:49,509 --> 00:21:54,250
hello listeners and welcome to dr. heo

515
00:21:52,089 --> 00:21:56,980
reports well this week I want to discuss

516
00:21:54,250 --> 00:21:59,559
a false balance which is defined by

517
00:21:56,980 --> 00:22:02,680
wikipedia as a term used to describe a

518
00:21:59,559 --> 00:22:04,539
perceived or real media bias where

519
00:22:02,680 --> 00:22:05,950
journalists present an issue as being

520
00:22:04,539 --> 00:22:07,960
more balanced between opposing

521
00:22:05,950 --> 00:22:10,600
viewpoints than the evidence actually

522
00:22:07,960 --> 00:22:12,490
supports now if that sounds a bit jargon

523
00:22:10,599 --> 00:22:14,709
istic give me a minute and I'll explain

524
00:22:12,490 --> 00:22:16,839
it to you but I want to talk about false

525
00:22:14,710 --> 00:22:18,549
balance this week in the context of

526
00:22:16,839 --> 00:22:21,339
science and medicine reporting in the

527
00:22:18,549 --> 00:22:23,109
mainstream media so false balance has

528
00:22:21,339 --> 00:22:24,819
long been a problem in the mainstream

529
00:22:23,109 --> 00:22:26,559
media particularly when it comes to

530
00:22:24,819 --> 00:22:29,349
stories concerning science and medicine

531
00:22:26,559 --> 00:22:30,879
and it's a curious occurrence since the

532
00:22:29,349 --> 00:22:32,679
most journals will scoff when you

533
00:22:30,880 --> 00:22:34,930
proposed they invite a flat earth or on

534
00:22:32,680 --> 00:22:37,779
to a story about circumnavigating the

535
00:22:34,930 --> 00:22:40,720
globe or a Holocaust denier in stories

536
00:22:37,779 --> 00:22:42,910
about World War two but the parallels to

537
00:22:40,720 --> 00:22:44,470
inviting an anti vector onto a story

538
00:22:42,910 --> 00:22:48,580
about vaccinations for the sake of

539
00:22:44,470 --> 00:22:50,680
balance somehow escapes them of course

540
00:22:48,579 --> 00:22:52,509
this means that anti-vaxxers exploit the

541
00:22:50,680 --> 00:22:54,210
idea of balance by claiming there are

542

00:22:52,509 --> 00:22:56,200
two sides to every story and

543
00:22:54,210 --> 00:22:59,559
disseminating the idea that there is a

544
00:22:56,200 --> 00:23:01,870
vaccine debate well in the interest of

545
00:22:59,559 --> 00:23:04,779
saving time and going over old ground

546
00:23:01,869 --> 00:23:07,269
there is no debate the science is in

547
00:23:04,779 --> 00:23:10,359
vaccines work and the benefits far

548
00:23:07,269 --> 00:23:12,400
outweigh any associated risks but before

549
00:23:10,359 --> 00:23:15,429
anyone bothered to challenge the media

550
00:23:12,400 --> 00:23:17,380
that false balance was bad m'kay the

551
00:23:15,430 --> 00:23:19,779
anti-vaxxers got virtually a free ride

552
00:23:17,380 --> 00:23:22,060
in the Australian media now the

553
00:23:19,779 --> 00:23:23,950
Australian vaccination Network we used

554
00:23:22,059 --> 00:23:27,159
to be fronted by Merrill dory who has

555
00:23:23,950 --> 00:23:29,440
recently retired was a media darling and

556
00:23:27,160 --> 00:23:31,090

they were the go-to people for just

557

00:23:29,440 --> 00:23:33,730

about every story concerning

558

00:23:31,089 --> 00:23:36,039

vaccinations in Australia so juxtaposed

559

00:23:33,730 --> 00:23:39,819

alongside highly qualified experts in

560

00:23:36,039 --> 00:23:41,769

immunology medicine pediatrics this let

561

00:23:39,819 --> 00:23:43,569

legitimacy to Merrill dories opinions

562

00:23:41,769 --> 00:23:46,059

and elevated her to the heights of

563

00:23:43,569 --> 00:23:48,909

expert despite the fact that she has

564

00:23:46,059 --> 00:23:52,019

absolutely no qualifications apart from

565

00:23:48,910 --> 00:23:54,519

a brain which she will happily tell you

566

00:23:52,019 --> 00:23:56,589

now when miss Dorry was described on the

567

00:23:54,519 --> 00:23:59,049

program for the Woodford Folk Festival

568

00:23:56,589 --> 00:24:02,500

several years ago as Australia's leading

569

00:23:59,049 --> 00:24:03,490

expert in vaccination I didn't see her

570

00:24:02,500 --> 00:24:05,369

falling all over her

571
00:24:03,490 --> 00:24:07,900
self to correct this misconception

572
00:24:05,369 --> 00:24:09,789
however something has happened in

573
00:24:07,900 --> 00:24:13,150
Australia over the last few years it has

574
00:24:09,789 --> 00:24:15,519
been very encouraging and slowly a shift

575
00:24:13,150 --> 00:24:17,890
away from false balance with respect to

576
00:24:15,519 --> 00:24:20,558
vaccination stories has begun and

577
00:24:17,890 --> 00:24:22,420
largely during my opinion to a tireless

578
00:24:20,558 --> 00:24:24,670
campaign by a bunch of concerned

579
00:24:22,420 --> 00:24:26,259
citizens who loosely fall under the

580
00:24:24,670 --> 00:24:29,200
umbrella of stop the Australian

581
00:24:26,259 --> 00:24:31,599
vaccination network or si bien so why is

582
00:24:29,200 --> 00:24:33,190
this so important well a recently

583
00:24:31,599 --> 00:24:34,990
published paper which is quite a

584
00:24:33,190 --> 00:24:37,269
preliminary study but in any case is

585
00:24:34,990 --> 00:24:39,900
interesting highlights the reasons why

586
00:24:37,269 --> 00:24:42,789
false balance can actually be dangerous

587
00:24:39,900 --> 00:24:44,950
so using the consistently reported but

588
00:24:42,789 --> 00:24:47,740
thoroughly unsinkable rubber duck of an

589
00:24:44,950 --> 00:24:49,808
autism vaccine link the authors Dixon

590
00:24:47,740 --> 00:24:52,269
and Clark investigated how this

591
00:24:49,808 --> 00:24:55,619
reporting style influences judgments of

592
00:24:52,269 --> 00:24:58,480
a vaccine risk so they randomly assigned

593
00:24:55,619 --> 00:25:00,729
320 undergraduate students to read a

594
00:24:58,480 --> 00:25:03,670
news item presenting either claims both

595
00:25:00,730 --> 00:25:06,339
for or against an autism vaccine link

596
00:25:03,670 --> 00:25:08,380
are purely anti-vaccine vaccines

597
00:25:06,339 --> 00:25:11,649
definitely cause autism article and

598
00:25:08,380 --> 00:25:13,450
there is no link article now

599

00:25:11,650 --> 00:25:15,130
unsurprisingly they reported that the

600
00:25:13,450 --> 00:25:17,650
participants who read the article saying

601
00:25:15,130 --> 00:25:19,120
vaccines cause autism indicated they

602
00:25:17,650 --> 00:25:20,860
would be less likely to have their

603
00:25:19,119 --> 00:25:22,928
children vaccinated in the future and

604
00:25:20,859 --> 00:25:24,939
this observation is supported by other

605
00:25:22,929 --> 00:25:26,980
research showing that viewing an anti

606
00:25:24,940 --> 00:25:29,558
vaccine website for 5 to 10 minutes

607
00:25:26,980 --> 00:25:32,200
increased perceptions of vaccination

608
00:25:29,558 --> 00:25:35,349
risk and decreased perceptions of the

609
00:25:32,200 --> 00:25:37,390
risks of not having vaccines also from

610
00:25:35,349 --> 00:25:39,490
this research more importantly viewing

611
00:25:37,390 --> 00:25:41,440
an anti-vaccine website significantly

612
00:25:39,490 --> 00:25:44,049
decreased intentions to vaccinate in

613
00:25:41,440 --> 00:25:46,480

parents which persisted five months

614

00:25:44,049 --> 00:25:47,919

later and this translated into parents

615

00:25:46,480 --> 00:25:51,099

having their children receive fewer

616

00:25:47,920 --> 00:25:53,289

vaccinations than recommended and indeed

617

00:25:51,099 --> 00:25:55,329

data also shows us that people that get

618

00:25:53,289 --> 00:25:57,308

their information about vaccines purely

619

00:25:55,329 --> 00:25:59,649

from the internet are less likely to

620

00:25:57,308 --> 00:26:01,869

vaccinate their children however what

621

00:25:59,650 --> 00:26:04,360

was more surprising and shocking about

622

00:26:01,869 --> 00:26:07,269

the findings of Dixon and Clark was that

623

00:26:04,359 --> 00:26:10,240

the balanced article produced a stronger

624

00:26:07,269 --> 00:26:11,799

effect than the link only article so let

625

00:26:10,240 --> 00:26:15,190

me just repeat that in case you missed

626

00:26:11,799 --> 00:26:16,869

it the false balance article citing a

627

00:26:15,190 --> 00:26:17,380

possible link between vaccines and

628
00:26:16,869 --> 00:26:20,079
autism

629
00:26:17,380 --> 00:26:22,330
left participants feeling less confident

630
00:26:20,079 --> 00:26:24,549
about the safety of vaccines then the

631
00:26:22,329 --> 00:26:28,929
vaccines definitely cause autism article

632
00:26:24,549 --> 00:26:30,789
Wow so the authors suggested the reasons

633
00:26:28,930 --> 00:26:33,039
for this may be due to false balance

634
00:26:30,789 --> 00:26:36,309
eliciting a stronger perception that

635
00:26:33,039 --> 00:26:38,319
experts are indeed divided or that

636
00:26:36,309 --> 00:26:40,990
experts truly are uncertain whether

637
00:26:38,319 --> 00:26:43,539
vaccines cause autism and of course we

638
00:26:40,990 --> 00:26:45,880
know that they don't so this study

639
00:26:43,539 --> 00:26:47,920
suggests that false balance reporting

640
00:26:45,880 --> 00:26:49,720
with respect to vaccine safety lowers

641
00:26:47,920 --> 00:26:52,480
people's intentions to vaccinate their

642
00:26:49,720 --> 00:26:54,430
children in the future more so than

643
00:26:52,480 --> 00:26:57,519
simple straight up anti-vaccine

644
00:26:54,430 --> 00:26:59,799
reporting so this issue of false balance

645
00:26:57,519 --> 00:27:01,839
was covered extremely well on a recent

646
00:26:59,799 --> 00:27:05,200
episode of australia's media watchdog

647
00:27:01,839 --> 00:27:07,149
program which is called Media Watch now

648
00:27:05,200 --> 00:27:09,009
the segment under scrutiny features

649
00:27:07,150 --> 00:27:10,990
Merle dory commenting on a measles

650
00:27:09,009 --> 00:27:14,140
outbreak and coincidentally quotes her

651
00:27:10,990 --> 00:27:16,089
as saying and quote for vaccinations in

652
00:27:14,140 --> 00:27:17,860
the medical literature have been linked

653
00:27:16,089 --> 00:27:19,599
with the possibility of causing autism

654
00:27:17,859 --> 00:27:25,149
not just the measles mumps rubella

655
00:27:19,599 --> 00:27:26,829
vaccine this makes me so mad I'm told

656

00:27:25,150 --> 00:27:28,870
that this show is required viewing for

657
00:27:26,829 --> 00:27:31,269
all journals and getting a mention is a

658
00:27:28,869 --> 00:27:34,059
black mark against your name such is the

659
00:27:31,269 --> 00:27:36,369
power of media watch the story is a

660
00:27:34,059 --> 00:27:38,619
Smackdown of a report which featured on

661
00:27:36,369 --> 00:27:40,509
when news and was later the subject of

662
00:27:38,619 --> 00:27:43,149
complaints the communications regulator

663
00:27:40,509 --> 00:27:45,879
in the story the host Jonathan Holmes

664
00:27:43,150 --> 00:27:48,009
said but Meryl door is deceptively named

665
00:27:45,880 --> 00:27:50,020
Australian vaccination network is in

666
00:27:48,009 --> 00:27:52,690
fact an obsessively anti-vaccination

667
00:27:50,019 --> 00:27:54,879
pressure group that's immunized itself

668
00:27:52,690 --> 00:27:57,670
against the effect of scientific

669
00:27:54,880 --> 00:27:59,740
evidence dories claim about the medical

670
00:27:57,670 --> 00:28:04,509

literature linking vaccinations and

671

00:27:59,740 --> 00:28:06,160

autism is pure unadulterated baloney now

672

00:28:04,509 --> 00:28:08,230

some people have suggested that this

673

00:28:06,160 --> 00:28:10,269

story functioned as a warning to anyone

674

00:28:08,230 --> 00:28:12,569

else in the media should they foolishly

675

00:28:10,269 --> 00:28:15,369

decide to go the false balance route

676

00:28:12,569 --> 00:28:17,500

there are rumors in fact very strong

677

00:28:15,369 --> 00:28:19,689

rumors that some media outlets in

678

00:28:17,500 --> 00:28:22,269

Australia have a complete ban on talking

679

00:28:19,690 --> 00:28:24,279

to ms dory and it will be interesting to

680

00:28:22,269 --> 00:28:26,529

see if this still stands now that she is

681

00:28:24,279 --> 00:28:28,509

no longer the president and spokesperson

682

00:28:26,529 --> 00:28:31,000

in my own experience I've recently

683

00:28:28,509 --> 00:28:32,890

started telling media if they plan to do

684

00:28:31,000 --> 00:28:35,680

one story then they will not get my

685
00:28:32,890 --> 00:28:37,780
participation interestingly when I was

686
00:28:35,680 --> 00:28:39,970
recently asked to go on the primetime

687
00:28:37,779 --> 00:28:42,339
show the project to talk about the

688
00:28:39,970 --> 00:28:44,950
Academy of Sciences immunization booklet

689
00:28:42,339 --> 00:28:47,919
I asked if they planned to also have on

690
00:28:44,950 --> 00:28:49,750
an anti vaxcel the producer told me they

691
00:28:47,920 --> 00:28:51,310
had asked for someone from the anti

692
00:28:49,750 --> 00:28:54,569
backside who had refused to participate

693
00:28:51,309 --> 00:28:57,789
unless they could being interviewed live

694
00:28:54,569 --> 00:28:59,619
now as far as I'm aware the project pre

695
00:28:57,789 --> 00:29:02,139
records all their crosses to allow for

696
00:28:59,619 --> 00:29:03,759
editing but the antioxidant want to be

697
00:29:02,140 --> 00:29:06,610
made to look silly in the editing

698
00:29:03,759 --> 00:29:09,579
process and yes the irony has not

699
00:29:06,609 --> 00:29:10,929
escaped me the producer told me it was

700
00:29:09,579 --> 00:29:12,789
ridiculous that they would expect

701
00:29:10,930 --> 00:29:15,640
special treatment when everyone else is

702
00:29:12,789 --> 00:29:18,430
pre recorded and edited so they opted to

703
00:29:15,640 --> 00:29:20,710
be not included in the show well their

704
00:29:18,430 --> 00:29:23,019
loss i guess i mean the project is

705
00:29:20,710 --> 00:29:25,210
primetime national and watched by a huge

706
00:29:23,019 --> 00:29:28,779
number of people so it's great exposure

707
00:29:25,210 --> 00:29:32,680
for your crackpot ideas are way too oh

708
00:29:28,779 --> 00:29:34,629
yeah so after appearing on the project

709
00:29:32,680 --> 00:29:36,400
again last wednesday and if you want to

710
00:29:34,630 --> 00:29:38,530
see this video you can look at my blog

711
00:29:36,400 --> 00:29:41,050
at the end of this segment to talk about

712
00:29:38,529 --> 00:29:43,089
Melanie's marvelous measles I was

713

00:29:41,049 --> 00:29:45,159
pleasantly surprised to see a thread on

714
00:29:43,089 --> 00:29:48,609
the project's facebook page addressing

715
00:29:45,160 --> 00:29:50,620
precisely the issue of false balance now

716
00:29:48,609 --> 00:29:52,990
a commentator left this comment which

717
00:29:50,619 --> 00:29:54,939
said I'm normally a huge fan of this

718
00:29:52,990 --> 00:29:57,190
show but I was totally disgusted at the

719
00:29:54,940 --> 00:29:58,960
interview reviewing the measles book the

720
00:29:57,190 --> 00:30:01,059
project responded less than half an hour

721
00:29:58,960 --> 00:30:02,620
later are saying we decided that

722
00:30:01,059 --> 00:30:04,509
speaking to someone who actually has

723
00:30:02,619 --> 00:30:07,509
medical training and understands disease

724
00:30:04,509 --> 00:30:10,299
was the way to go the commenter then

725
00:30:07,509 --> 00:30:12,129
says so why didn't you and lists a bunch

726
00:30:10,299 --> 00:30:14,829
of doctors who they claim would have

727
00:30:12,130 --> 00:30:17,290

been more suitable than myself including

728

00:30:14,829 --> 00:30:19,389

dr. Archie Carly Karina's who passed

729

00:30:17,289 --> 00:30:22,029

away last year so I'm not quite sure how

730

00:30:19,390 --> 00:30:23,920

he could have been on the show sometimes

731

00:30:22,029 --> 00:30:26,019

it pays to read what you copy from whale

732

00:30:23,920 --> 00:30:28,930

to you before you paste it into a public

733

00:30:26,019 --> 00:30:31,210

forum the project then responded by

734

00:30:28,930 --> 00:30:33,549

saying anti-vaccination is a fringe

735

00:30:31,210 --> 00:30:35,650

opinion for every five doctors who

736

00:30:33,549 --> 00:30:38,109

oppose vaccinations that there are 95

737

00:30:35,650 --> 00:30:40,110

who support it we are not obliged to

738

00:30:38,109 --> 00:30:42,609

provide equal time and space to

739

00:30:40,109 --> 00:30:44,439

unscientific and dangerous viewpoints

740

00:30:42,609 --> 00:30:44,779

and if you want to find that thread

741

00:30:44,440 --> 00:30:48,500

there's

742
00:30:44,779 --> 00:30:50,389
link on my blog after all the work we've

743
00:30:48,500 --> 00:30:52,430
done in an effort to educate the media

744
00:30:50,390 --> 00:30:54,890
about the dangers of false balance in

745
00:30:52,430 --> 00:30:57,470
vaccination and medical stories perhaps

746
00:30:54,890 --> 00:30:59,210
it is finally paying off of course you

747
00:30:57,470 --> 00:31:01,309
will still find incidences of false

748
00:30:59,210 --> 00:31:03,370
balance in the Australian media but I

749
00:31:01,309 --> 00:31:05,450
like to think that it is improving and

750
00:31:03,369 --> 00:31:07,039
given the latest research it's

751
00:31:05,450 --> 00:31:09,110
especially encouraging to see a

752
00:31:07,039 --> 00:31:11,690
prime-time mainstream commercial

753
00:31:09,109 --> 00:31:14,359
television show take a responsible

754
00:31:11,690 --> 00:31:15,890
Health stance congratulations to the

755
00:31:14,359 --> 00:31:19,789
project and i'll certainly comeback on

756
00:31:15,890 --> 00:31:21,830
any time you want editing included so

757
00:31:19,789 --> 00:31:23,990
you can find this blog post on the

758
00:31:21,829 --> 00:31:27,049
official blog of the skeptic zone at

759
00:31:23,990 --> 00:31:30,789
skeptics book calm and until next time

760
00:31:27,049 --> 00:31:30,789
this has been dr. ecchi reports

761
00:31:36,450 --> 00:31:42,840
in a world where the truth is a matter

762
00:31:40,329 --> 00:31:42,839
to me

763
00:31:44,679 --> 00:31:49,950
your messages are a scene for beyond the

764
00:31:52,569 --> 00:31:58,168
and reason is sidelined for magical

765
00:31:55,869 --> 00:31:58,168
thinking

766
00:31:58,599 --> 00:32:03,209
only three men stand between the truth

767
00:32:04,200 --> 00:32:09,669
what date is it 787 thing this is

768
00:32:07,960 --> 00:32:11,319
impressive it's a detail system present

769
00:32:09,669 --> 00:32:15,190
they're not their photographs of Chinese

770

00:32:11,319 --> 00:32:16,418
anthem we are not well-received cuz good

771
00:32:15,190 --> 00:32:18,100
God we're fully don't discuss

772
00:32:16,419 --> 00:32:19,990
cryptozoology on the show very often

773
00:32:18,099 --> 00:32:22,449
because we don't know anything about how

774
00:32:19,990 --> 00:32:24,160
the truth the price gets lower and lower

775
00:32:22,450 --> 00:32:28,779
and lower and then he hits a ceiling

776
00:32:24,160 --> 00:32:30,669
it's a ceiling for the ruminal skeptic

777
00:32:28,779 --> 00:32:35,428
to the cave and mooses has gifted society

778
00:32:30,669 --> 00:32:35,429
find us on iTunes or you know don't

779
00:32:37,440 --> 00:32:44,669
here's main art spooky action at a

780
00:32:42,130 --> 00:32:44,669
distance

781
00:32:45,319 --> 00:32:50,399
well last time I spoke to this guy it

782
00:32:48,029 --> 00:32:52,408
was a convention in Sydney and we're in

783
00:32:50,400 --> 00:32:53,850
the Masonic Hall and it wasn't a Masonic

784
00:32:52,409 --> 00:32:55,530

convention it was actually a skeptics

785

00:32:53,849 --> 00:32:57,990

convention in Sydney but right now I

786

00:32:55,529 --> 00:32:59,369

mean in biggin books which I only

787

00:32:57,990 --> 00:33:01,349

recently found out is named after the

788

00:32:59,369 --> 00:33:03,389

simpsons episode i did not even know it

789

00:33:01,349 --> 00:33:05,969

was a made up word so who are you and

790

00:33:03,390 --> 00:33:08,490

why are you filling in my mind my name

791

00:33:05,970 --> 00:33:10,529

is Warren Burnett and I just dim tempted

792

00:33:08,490 --> 00:33:13,200

to fall with your mind I guess in biggin

793

00:33:10,529 --> 00:33:15,690

was first actually coined in the 1800's

794

00:33:13,200 --> 00:33:17,370

by the way yeah and the simpsons just

795

00:33:15,690 --> 00:33:19,830

ripped something off from i don't think

796

00:33:17,369 --> 00:33:22,079

they knew it's a pretty kind reference

797

00:33:19,829 --> 00:33:25,259

it only appeared the once and it was in

798

00:33:22,079 --> 00:33:27,359

a like a gentleman's miscellany and i

799

00:33:25,259 --> 00:33:31,710
was referring to I think the growing

800

00:33:27,359 --> 00:33:33,629
trends of hobbyists in in in the UK and

801

00:33:31,710 --> 00:33:36,150
this is so did originally mean to make

802

00:33:33,630 --> 00:33:37,860
larger yeah yeah that's right that's

803

00:33:36,150 --> 00:33:40,500
yeah but it only occurred the once but

804

00:33:37,859 --> 00:33:43,740
since then the the Simpsons did it and

805

00:33:40,500 --> 00:33:47,069
we saw it in a string theory paper so

806

00:33:43,740 --> 00:33:49,380
yeah and of course this is a bookshop

807

00:33:47,069 --> 00:33:52,139
for the thinker which means I don't even

808

00:33:49,380 --> 00:33:53,940
know why you're still open that's good

809

00:33:52,140 --> 00:33:56,009
point good point I mean it's looking a

810

00:33:53,940 --> 00:33:58,019
lot of people going on hey I've got to

811

00:33:56,009 --> 00:34:00,210
get to some philosophy right now before

812

00:33:58,019 --> 00:34:02,700
I go watch the vinyl of the voice that's

813
00:34:00,210 --> 00:34:04,169
right and we're here just for them well

814
00:34:02,700 --> 00:34:06,058
we're near the wheeler centre which is

815
00:34:04,169 --> 00:34:08,730
the Melbourne Center for writing

816
00:34:06,058 --> 00:34:11,099
literature and ideas and that was a

817
00:34:08,730 --> 00:34:14,550
pretty intentional move on our behalf to

818
00:34:11,099 --> 00:34:15,990
be near a hub for that already and and

819
00:34:14,550 --> 00:34:17,429
just focus a little bit more on the

820
00:34:15,989 --> 00:34:19,799
sciences because they focus on

821
00:34:17,429 --> 00:34:21,570
literature and humanities we have a

822
00:34:19,800 --> 00:34:23,609
strong science been obviously so we

823
00:34:21,570 --> 00:34:25,859
wanted to sort of add that kind of

824
00:34:23,608 --> 00:34:27,719
balance and it's been working reasonably

825
00:34:25,858 --> 00:34:29,460
well it was let me look times are tough

826
00:34:27,719 --> 00:34:32,069
with a bookshop like when you got people

827

00:34:29,460 --> 00:34:34,139
like coals or came out that can buy the

828
00:34:32,070 --> 00:34:35,490
book cheaper and post it to you for what

829
00:34:34,139 --> 00:34:38,099
you can listen you put on the shelf

830
00:34:35,489 --> 00:34:40,408
that's tough competition yeah the the

831
00:34:38,099 --> 00:34:42,990
big ones are always a problem but we

832
00:34:40,409 --> 00:34:46,230
mostly don't overlap in the subjects

833
00:34:42,989 --> 00:34:50,250
we're carrying so most of the book shops

834
00:34:46,230 --> 00:34:51,929
don't stop our best sellers okay so now

835
00:34:50,250 --> 00:34:54,239
that actually what goes wild and crazy

836
00:34:51,929 --> 00:34:57,240
here I mean what's the harry potter of

837
00:34:54,239 --> 00:34:58,889
your bookshop well when we were talking

838
00:34:57,239 --> 00:35:02,159
about earlier demon haunted world carl

839
00:34:58,889 --> 00:35:04,858
sagan the other one tops at the moment

840
00:35:02,159 --> 00:35:06,809
would be thinking fast and slow by

841
00:35:04,858 --> 00:35:09,960

daniel kahneman that you selected

842

00:35:06,809 --> 00:35:12,150

earlier in fact i use it that for we had

843

00:35:09,960 --> 00:35:14,369

the incredible Randy who was just he was

844

00:35:12,150 --> 00:35:16,079

like kind of know he was the amazing i

845

00:35:14,369 --> 00:35:18,180

would say he should use that in exact

846

00:35:16,079 --> 00:35:20,009

amazing he's incredible and amazing and

847

00:35:18,179 --> 00:35:21,960

they actually did a magic trick for like

848

00:35:20,010 --> 00:35:24,150

three or four people and used me as the

849

00:35:21,960 --> 00:35:25,349

foil and we're buggered if we could know

850

00:35:24,150 --> 00:35:26,849

how he did it which i think is what the

851

00:35:25,349 --> 00:35:29,279

magic trips all about isn't it really it

852

00:35:26,849 --> 00:35:31,469

is he's very very good yeah i guess

853

00:35:29,280 --> 00:35:32,820

happy pick a book off the shelf and you

854

00:35:31,469 --> 00:35:34,529

knew the word in the sentence that i

855

00:35:32,820 --> 00:35:37,559

picked and as far as i know i picked

856
00:35:34,530 --> 00:35:39,390
that book freely and at random yep yeah

857
00:35:37,559 --> 00:35:42,000
so that can only confirm that he's a

858
00:35:39,389 --> 00:35:43,259
member of the Illuminati without a doubt

859
00:35:42,000 --> 00:35:45,949
well it's obvious really isn't it

860
00:35:43,260 --> 00:35:48,330
obvious actually you have got some great

861
00:35:45,949 --> 00:35:49,679
books about anomalies and conspiracies

862
00:35:48,329 --> 00:35:52,590
in here as well which i will be checking

863
00:35:49,679 --> 00:35:55,379
out before i leave yes we do probably

864
00:35:52,590 --> 00:35:58,369
the best one on those is the rana vich

865
00:35:55,380 --> 00:36:01,829
book of voodoo histories which i highly

866
00:35:58,369 --> 00:36:05,460
recommend to almost anyone to read it's

867
00:36:01,829 --> 00:36:07,079
just it demonstrates to you very clearly

868
00:36:05,460 --> 00:36:09,900
that conspiracy theories are not

869
00:36:07,079 --> 00:36:11,639
harmless and what is the strangest

870
00:36:09,900 --> 00:36:13,800
moment you have you because this would

871
00:36:11,639 --> 00:36:16,319
be a place where alternative thinkers

872
00:36:13,800 --> 00:36:18,450
would be drawn to and of all kinds and

873
00:36:16,320 --> 00:36:20,190
have you had any moments here we go look

874
00:36:18,449 --> 00:36:21,569
good i just have a book that sells

875
00:36:20,190 --> 00:36:23,210
romance novels i'm going to shop that

876
00:36:21,570 --> 00:36:27,300
just sells romance novels or something

877
00:36:23,210 --> 00:36:30,059
we do probably the weirdest there is a

878
00:36:27,300 --> 00:36:32,850
guy by the name of UFO Bob who came in

879
00:36:30,059 --> 00:36:34,739
and defied his name already yeah wearing

880
00:36:32,849 --> 00:36:36,779
a silver hat saying that he read all of

881
00:36:34,739 --> 00:36:38,339
the books on our shelves as soon as he

882
00:36:36,780 --> 00:36:41,369
walked in the door and do we have any

883
00:36:38,340 --> 00:36:44,340
cameras because CIA keeps an eye on him

884

00:36:41,369 --> 00:36:45,539
after the abduction right well he must

885
00:36:44,340 --> 00:36:47,220
be having a hard time because just about

886
00:36:45,539 --> 00:36:48,960
everybody now carries a camera around

887
00:36:47,219 --> 00:36:51,419
with them and a device that could be

888
00:36:48,960 --> 00:36:54,358
hacked into so that could be recorded 24

889
00:36:51,420 --> 00:36:56,608
7 if someone really wanted to that may

890
00:36:54,358 --> 00:36:57,480
account for his jitters you know it was

891
00:36:56,608 --> 00:36:59,940
making a bit

892
00:36:57,480 --> 00:37:02,099
because what what information did UFO

893
00:36:59,940 --> 00:37:04,608
Bob have that was of international

894
00:37:02,099 --> 00:37:06,719
importance for the CIA to want you

895
00:37:04,608 --> 00:37:10,529
didn't really say I think it was

896
00:37:06,719 --> 00:37:13,019
probably more his special gift of being

897
00:37:10,530 --> 00:37:15,750
able to see and understand and scan

898
00:37:13,019 --> 00:37:17,699

anything whatsoever in the split second

899

00:37:15,750 --> 00:37:19,440

and just get to the heart of it so he's

900

00:37:17,699 --> 00:37:21,299

a security risk in that respect no

901

00:37:19,440 --> 00:37:22,710

emotion oh that's pretty impressive I

902

00:37:21,300 --> 00:37:25,320

mean there are real things like trapwire

903

00:37:22,710 --> 00:37:27,990

to be concerned about that maybe he

904

00:37:25,320 --> 00:37:29,700

should concentrate on that true maybe I

905

00:37:27,989 --> 00:37:31,559

think you should get contact with Julian

906

00:37:29,699 --> 00:37:33,929

Assange and get together and form a

907

00:37:31,559 --> 00:37:35,730

little and a hacker group of some kind I

908

00:37:33,929 --> 00:37:41,269

can see the press conference now John

909

00:37:35,730 --> 00:37:45,510

Asajj look to bolster my my cause for a

910

00:37:41,269 --> 00:37:47,670

UFO Bob we really believe in one key

911

00:37:45,510 --> 00:37:50,760

aspect of the shop and that is that we

912

00:37:47,670 --> 00:37:54,630

need more cultural spaces on the street

913
00:37:50,760 --> 00:37:57,270
that are not necessarily dedicated

914
00:37:54,630 --> 00:37:58,890
towards sort of either hedonism or under

915
00:37:57,269 --> 00:38:03,929
inner or in just straight-out

916
00:37:58,889 --> 00:38:06,210
pleasure-seeking or silly stuff so at

917
00:38:03,929 --> 00:38:07,618
the moment most book shops don't really

918
00:38:06,210 --> 00:38:10,108
even have much of a science section

919
00:38:07,619 --> 00:38:11,608
there aren't many that people can find

920
00:38:10,108 --> 00:38:12,809
because they're actually harder to find

921
00:38:11,608 --> 00:38:14,549
now because they're having to find

922
00:38:12,809 --> 00:38:16,230
smaller and smaller spaces because of

923
00:38:14,550 --> 00:38:17,820
the increasing in rent and that's

924
00:38:16,230 --> 00:38:19,740
actually the big problem in Australia

925
00:38:17,820 --> 00:38:21,900
for bookshops it's not overseas or

926
00:38:19,739 --> 00:38:25,019
anything like that rents a huge problem

927
00:38:21,900 --> 00:38:28,200
we over out rent anyone in this this

928
00:38:25,019 --> 00:38:30,449
little planet of ours um and just as a

929
00:38:28,199 --> 00:38:32,879
point for skeptics listening everyone's

930
00:38:30,449 --> 00:38:35,250
supports but what they see to be their

931
00:38:32,880 --> 00:38:36,570
version of reason and science but you're

932
00:38:35,250 --> 00:38:39,119
actually putting your money where your

933
00:38:36,570 --> 00:38:40,800
mouth and your livelihood is it matters

934
00:38:39,119 --> 00:38:43,500
to us we didn't want to be just having

935
00:38:40,800 --> 00:38:45,780
those dinner conversations and and going

936
00:38:43,500 --> 00:38:47,519
in and have a great dinner conversation

937
00:38:45,780 --> 00:38:50,880
with people then everyone agrees and

938
00:38:47,519 --> 00:38:52,349
then nothing happens we you know we've

939
00:38:50,880 --> 00:38:56,430
got a little girl she's three years old

940
00:38:52,349 --> 00:38:59,099
and we intensely committed to him to try

941

00:38:56,429 --> 00:39:01,349
and give her a sort of an immediate

942
00:38:59,099 --> 00:39:02,769
cultural environment which is a positive

943
00:39:01,349 --> 00:39:05,829
benefit too

944
00:39:02,769 --> 00:39:06,940
so yeah we're not neither vs scientists

945
00:39:05,829 --> 00:39:09,250
or research scientist or anything like

946
00:39:06,940 --> 00:39:11,950
that week we can't do that sort of work

947
00:39:09,250 --> 00:39:14,710
but this is something we can do and I

948
00:39:11,949 --> 00:39:17,379
think it's necessary and now when we

949
00:39:14,710 --> 00:39:19,150
talk to do musicians we ask them what

950
00:39:17,380 --> 00:39:21,220
their favorite song is and that kind of

951
00:39:19,150 --> 00:39:22,930
thing but what's your favorite section

952
00:39:21,219 --> 00:39:24,429
of the bookshop what's the one where

953
00:39:22,929 --> 00:39:25,899
even when you're walking past on a busy

954
00:39:24,429 --> 00:39:28,419
day you might have a quick look and go

955
00:39:25,900 --> 00:39:32,130

I'll just have a rate of this bit it

956

00:39:28,420 --> 00:39:36,519

would be the brain sciences and because

957

00:39:32,130 --> 00:39:39,460

it's the easiest way for me to be able

958

00:39:36,519 --> 00:39:42,070

to have the discussion with someone

959

00:39:39,460 --> 00:39:43,599

about science that is an interested in

960

00:39:42,070 --> 00:39:45,789

science because everyone's got a brain

961

00:39:43,599 --> 00:39:47,500

they're interested in themselves so it's

962

00:39:45,789 --> 00:39:51,190

not a self-help section but we have

963

00:39:47,500 --> 00:39:53,289

books on how the brain works how we can

964

00:39:51,190 --> 00:39:56,260

not see things how we use confirmation

965

00:39:53,289 --> 00:39:59,769

bias how our group dynamics work based

966

00:39:56,260 --> 00:40:02,770

upon our individual biology and I find

967

00:39:59,769 --> 00:40:04,480

that that's just one of the best but it

968

00:40:02,769 --> 00:40:06,789

just gives me a sense of strength when

969

00:40:04,480 --> 00:40:08,740

I'm going in to bat for the team of

970
00:40:06,789 --> 00:40:10,300
science and reason you can go read this

971
00:40:08,739 --> 00:40:12,489
book by Robert Burton it's good i'm

972
00:40:10,300 --> 00:40:14,890
being certain it's it's brit or read

973
00:40:12,489 --> 00:40:16,599
this one by daniel kahneman on thinking

974
00:40:14,889 --> 00:40:18,879
fasteners locust it is really one of the

975
00:40:16,599 --> 00:40:20,650
best books of the past 10 years now I

976
00:40:18,880 --> 00:40:22,450
had a discussion earlier and I probably

977
00:40:20,650 --> 00:40:24,610
disappointed you in that you recommended

978
00:40:22,449 --> 00:40:27,879
demon haunted world to me Carl Sagan

979
00:40:24,610 --> 00:40:31,059
after after the Sydney conference and I

980
00:40:27,880 --> 00:40:32,410
I read it the ideas are solid I can't

981
00:40:31,059 --> 00:40:35,650
argue with near the arguments of course

982
00:40:32,409 --> 00:40:37,869
and the books great but i found it a bit

983
00:40:35,650 --> 00:40:39,880
dry and i found the book very hard-going

984
00:40:37,869 --> 00:40:41,230
now am i the only person that's ever

985
00:40:39,880 --> 00:40:43,690
said I've had a trouble with the writing

986
00:40:41,230 --> 00:40:46,750
of Carl Sagan as far as you know oh no

987
00:40:43,690 --> 00:40:48,670
no we do get em people that don't like

988
00:40:46,750 --> 00:40:49,449
him at all the current can't standing in

989
00:40:48,670 --> 00:40:51,820
fact

990
00:40:49,449 --> 00:40:53,169
that say they have a site that's usually

991
00:40:51,820 --> 00:40:54,640
a fairly strong indication that they

992
00:40:53,170 --> 00:40:57,789
don't have the science bent that they

993
00:40:54,639 --> 00:40:59,739
actually proclaimed to have but you know

994
00:40:57,789 --> 00:41:02,139
there are many different books like

995
00:40:59,739 --> 00:41:04,029
there's a big hoo-ha in the skeptic

996
00:41:02,139 --> 00:41:06,039
community at the moment about how you

997
00:41:04,030 --> 00:41:07,599
communicate don't communicate with

998

00:41:06,039 --> 00:41:09,130
aggressiveness don't communicate with

999
00:41:07,599 --> 00:41:11,588
sarcasm don't communicate like this

1000
00:41:09,130 --> 00:41:13,720
don't communicate well quite frankly

1001
00:41:11,588 --> 00:41:16,480
nonsense has a reason there's millions

1002
00:41:13,719 --> 00:41:19,000
of writers and millions of readers there

1003
00:41:16,480 --> 00:41:22,420
are millions of ways to listen and and

1004
00:41:19,000 --> 00:41:23,800
so there are books that might not will

1005
00:41:22,420 --> 00:41:25,930
definitely work for a lot of people that

1006
00:41:23,800 --> 00:41:28,300
won't work for others and so it doesn't

1007
00:41:25,929 --> 00:41:29,679
surprise me there's a fantastic

1008
00:41:28,300 --> 00:41:34,359
scientist in the states by the name of

1009
00:41:29,679 --> 00:41:38,078
Beatrice ghulam very unusual voice but

1010
00:41:34,358 --> 00:41:40,088
she is astounding in getting to the

1011
00:41:38,079 --> 00:41:41,530
heart of she's not a Berkeley hummer is

1012
00:41:40,088 --> 00:41:44,078

it which is those women that don't

1013

00:41:41,530 --> 00:41:46,269
finish it answers they got not a

1014

00:41:44,079 --> 00:41:50,019
Berkeley hung up now much much much

1015

00:41:46,269 --> 00:41:53,199
higher pitch and slightly discordant but

1016

00:41:50,019 --> 00:41:57,280
she she's extraordinary she is

1017

00:41:53,199 --> 00:42:00,009
relentless at getting to the the actual

1018

00:41:57,280 --> 00:42:02,019
data and saying what you're claiming

1019

00:42:00,010 --> 00:42:04,720
more from your data is not what your

1020

00:42:02,019 --> 00:42:07,088
data results suggest or the data itself

1021

00:42:04,719 --> 00:42:09,669
the abstract says one thing results and

1022

00:42:07,088 --> 00:42:12,309
the data say something else and her team

1023

00:42:09,670 --> 00:42:14,260
just do that or that's all they do they

1024

00:42:12,309 --> 00:42:15,909
go through those papers and how many

1025

00:42:14,260 --> 00:42:17,560
books have you got on the shelf here

1026

00:42:15,909 --> 00:42:19,719
just to give the listener the idea of

1027
00:42:17,559 --> 00:42:23,318
the size of the shop here now we're

1028
00:42:19,719 --> 00:42:26,199
getting just edging to 10,000 and that's

1029
00:42:23,318 --> 00:42:31,019
as many CDs that I have yep you guys

1030
00:42:26,199 --> 00:42:33,559
understand yet and and of that about

1031
00:42:31,019 --> 00:42:37,340
5,000 of science books

1032
00:42:33,559 --> 00:42:39,469
now what is the one book that is

1033
00:42:37,340 --> 00:42:41,450
painfully absent on your shelf what is

1034
00:42:39,469 --> 00:42:42,919
the book that hasn't been written or the

1035
00:42:41,449 --> 00:42:44,329
book you would like to have in your shop

1036
00:42:42,920 --> 00:42:46,159
that's absolutely go gee I wish we had a

1037
00:42:44,329 --> 00:42:47,929
book about X or one that dealt with a

1038
00:42:46,159 --> 00:42:49,549
certain topic is that one that you wish

1039
00:42:47,929 --> 00:42:51,889
was here that maybe hasn't even been

1040
00:42:49,550 --> 00:42:54,110
written yet there's two that immediately

1041
00:42:51,889 --> 00:42:55,730
come to mind one is an Australian

1042
00:42:54,110 --> 00:42:59,240
version of the geek men of history I

1043
00:42:55,730 --> 00:43:04,159
think that needs to be done and secondly

1044
00:42:59,239 --> 00:43:07,579
I want a better book on vaccines for the

1045
00:43:04,159 --> 00:43:09,559
general public I want it to be one of

1046
00:43:07,579 --> 00:43:11,269
them that's less scientific you mean I'd

1047
00:43:09,559 --> 00:43:13,969
like like like one that's basically

1048
00:43:11,269 --> 00:43:15,800
using more normal tova than what your

1049
00:43:13,969 --> 00:43:17,149
terminology that's easy to understand is

1050
00:43:15,800 --> 00:43:18,890
that what you mean more can sear more

1051
00:43:17,150 --> 00:43:21,920
consumer-friendly you know that most of

1052
00:43:18,889 --> 00:43:25,519
the ones that we have that are of good

1053
00:43:21,920 --> 00:43:28,519
value also employ a few scare tactics

1054
00:43:25,519 --> 00:43:30,079
and I don't like those in that that they

1055

00:43:28,519 --> 00:43:31,880
can be useful but they're mostly useful

1056
00:43:30,079 --> 00:43:35,449
for people who already agree with the

1057
00:43:31,880 --> 00:43:37,460
subject matter the ones that we really

1058
00:43:35,449 --> 00:43:39,109
need are the ones with the nice family

1059
00:43:37,460 --> 00:43:40,909
planning type images on the front with

1060
00:43:39,110 --> 00:43:43,630
the doctors and the nurses and that

1061
00:43:40,909 --> 00:43:48,109
looks all nice and happy and carefree

1062
00:43:43,630 --> 00:43:49,820
but with really unthreatening language

1063
00:43:48,110 --> 00:43:51,680
in in the middle because the people who

1064
00:43:49,820 --> 00:43:54,500
are getting this information like myself

1065
00:43:51,679 --> 00:43:56,659
and my partner Kirsty who run the shop

1066
00:43:54,500 --> 00:43:59,389
you know when we were vaccinating our

1067
00:43:56,659 --> 00:44:01,460
daughter and it hurts them and they cry

1068
00:43:59,389 --> 00:44:05,000
their heads off and you as a parent you

1069
00:44:01,460 --> 00:44:08,179

sort of hate doing that to them so you

1070

00:44:05,000 --> 00:44:10,219

that there are parents out there who get

1071

00:44:08,179 --> 00:44:12,559

a lot of anxiety over doing that and we

1072

00:44:10,219 --> 00:44:14,209

want to deal with those they need to be

1073

00:44:12,559 --> 00:44:18,380

communicated to I think in a fairly

1074

00:44:14,210 --> 00:44:20,869

softly softly way no you or two ago I

1075

00:44:18,380 --> 00:44:23,450

approached a publisher's agent and I

1076

00:44:20,869 --> 00:44:26,210

pitched to them an idea to do a history

1077

00:44:23,449 --> 00:44:28,730

an electronic book cd-rom or whatever

1078

00:44:26,210 --> 00:44:30,110

that would be history of the dance

1079

00:44:28,730 --> 00:44:31,519

parties that went on at the Horde in

1080

00:44:30,110 --> 00:44:33,860

davillon in the late 80s Early 90s

1081

00:44:31,519 --> 00:44:35,659

photographs lot make it a big coffee

1082

00:44:33,860 --> 00:44:37,370

table book make it a history of

1083

00:44:35,659 --> 00:44:38,750

something at the moment is only an oral

1084
00:44:37,369 --> 00:44:40,699
history there is there's other stuff

1085
00:44:38,750 --> 00:44:42,619
around but it's scattered and she just

1086
00:44:40,699 --> 00:44:44,750
said that no one would buy that book and

1087
00:44:42,619 --> 00:44:47,089
the market is very limited in in perhaps

1088
00:44:44,750 --> 00:44:48,829
I could turn it into a fiction book with

1089
00:44:47,090 --> 00:44:51,110
the fable at the end that showed that

1090
00:44:48,829 --> 00:44:53,360
all that drug taking in fun had had a

1091
00:44:51,110 --> 00:44:55,910
had a sort of a karmic recourse on the

1092
00:44:53,360 --> 00:44:57,980
person involved and she said could you

1093
00:44:55,909 --> 00:45:00,920
take the sex and drugs out of it and I

1094
00:44:57,980 --> 00:45:02,869
thought well III know why people went

1095
00:45:00,920 --> 00:45:05,119
there number one was not the music and

1096
00:45:02,869 --> 00:45:08,420
that that yeah that made me think that

1097
00:45:05,119 --> 00:45:09,739
you know that level of sort of economic

1098
00:45:08,420 --> 00:45:11,720
censorship to a certain extent do you

1099
00:45:09,739 --> 00:45:13,849
think anyone would want a book of such a

1100
00:45:11,719 --> 00:45:15,679
limited history do you think there would

1101
00:45:13,849 --> 00:45:17,150
be any market for that as someone who

1102
00:45:15,679 --> 00:45:18,679
actually sells books I mean you know is

1103
00:45:17,150 --> 00:45:20,240
that the kind of history in Australia

1104
00:45:18,679 --> 00:45:22,460
anymore anyone even wants covered to

1105
00:45:20,239 --> 00:45:26,209
that degree I'd talk to Melbourne books

1106
00:45:22,460 --> 00:45:28,849
and David at Melbourne books they do

1107
00:45:26,210 --> 00:45:30,829
books precisely like that yeah that's

1108
00:45:28,849 --> 00:45:32,869
why I talked to on that but there will

1109
00:45:30,829 --> 00:45:34,969
be smaller publishers publishers with

1110
00:45:32,869 --> 00:45:37,730
their fingers in the community as

1111
00:45:34,969 --> 00:45:40,609
opposed to the big ones who have stumps

1112

00:45:37,730 --> 00:45:42,260
in the community so yeah definitely am

1113
00:45:40,610 --> 00:45:43,700
melbourne books is the first when it

1114
00:45:42,260 --> 00:45:46,090
comes to mind because I've done similar

1115
00:45:43,699 --> 00:45:48,109
things what do you like with them

1116
00:45:46,090 --> 00:45:49,730
authors that come in here doing book

1117
00:45:48,110 --> 00:45:52,910
signings and their egos it's a little

1118
00:45:49,730 --> 00:45:54,920
bit like rock-star sometimes as it can

1119
00:45:52,909 --> 00:45:57,469
be but it usually isn't most authors are

1120
00:45:54,920 --> 00:45:59,389
intensely humble and look long may you

1121
00:45:57,469 --> 00:46:00,829
reign here now for people who want to

1122
00:45:59,389 --> 00:46:02,739
visit you online and see what you got

1123
00:46:00,829 --> 00:46:04,789
available where can we find you we're at

1124
00:46:02,739 --> 00:46:06,619
197 to two or three little lonsdale

1125
00:46:04,789 --> 00:46:07,929
street and we're right next to the state

1126
00:46:06,619 --> 00:46:09,608

library or about halfway between

1127

00:46:07,929 --> 00:46:11,618
swanston and Russell's

1128

00:46:09,608 --> 00:46:13,150
and your website the work we find you

1129

00:46:11,619 --> 00:46:14,710
online where you have friendly service

1130

00:46:13,150 --> 00:46:15,970
I've dropped you a line there you got

1131

00:46:14,710 --> 00:46:18,909
right back to me and on Twitter as well

1132

00:46:15,969 --> 00:46:23,078
you don't muck about some time I do get

1133

00:46:18,909 --> 00:46:28,268
behind sometimes but yeah owww beggin

1134

00:46:23,079 --> 00:46:29,769
books com of course it's day two here

1135

00:46:28,268 --> 00:46:31,149
and we're almost into the morning tea

1136

00:46:29,768 --> 00:46:33,608
break but I think it's a good chance to

1137

00:46:31,150 --> 00:46:35,499
have a stop by the ambiguous or and see

1138

00:46:33,608 --> 00:46:37,719
what's really been moving what has been

1139

00:46:35,498 --> 00:46:39,759
the favourite book this time around flim

1140

00:46:37,719 --> 00:46:41,679
plan of cool well I would have thought

1141
00:46:39,759 --> 00:46:43,900
Randy fans here will already have that

1142
00:46:41,679 --> 00:46:45,449
and what was this still a few that don't

1143
00:46:43,900 --> 00:46:47,829
and there were actually some people who

1144
00:46:45,449 --> 00:46:50,649
do have his book but wanted to get it

1145
00:46:47,829 --> 00:46:51,999
signed so and has it been a rush for any

1146
00:46:50,650 --> 00:46:53,470
book you haven't gone there's anyone

1147
00:46:51,998 --> 00:46:56,288
been looking for return to the Stars

1148
00:46:53,469 --> 00:46:58,149
erich von daniken for example no no they

1149
00:46:56,289 --> 00:47:00,220
they have we have had a few questions

1150
00:46:58,150 --> 00:47:02,289
asked about some books for kids but

1151
00:47:00,219 --> 00:47:04,268
that's it I've got the really really big

1152
00:47:02,289 --> 00:47:05,739
questions book here for kids the one

1153
00:47:04,268 --> 00:47:07,179
i've got about life the universe and

1154
00:47:05,739 --> 00:47:09,210
everything and the one about religions

1155
00:47:07,179 --> 00:47:11,679
it's been good feedback about that book

1156
00:47:09,210 --> 00:47:13,269
well not from the people here but we get

1157
00:47:11,679 --> 00:47:16,028
a lot of feedback from that through the

1158
00:47:13,268 --> 00:47:17,528
shop it's it's a very good book now what

1159
00:47:16,028 --> 00:47:19,088
about the controversial demon haunted

1160
00:47:17,528 --> 00:47:20,679
world that i found a little bit dry

1161
00:47:19,088 --> 00:47:22,568
which you recommended for me but I've

1162
00:47:20,679 --> 00:47:25,778
got to say i'm glad i read it has that

1163
00:47:22,568 --> 00:47:28,358
been moving that always goes well always

1164
00:47:25,778 --> 00:47:31,509
and is there been a surprise seller this

1165
00:47:28,358 --> 00:47:33,088
time around no big surprises i guess

1166
00:47:31,509 --> 00:47:36,579
we're moving a few more the flying

1167
00:47:33,088 --> 00:47:39,308
spaghetti monster them than we expected

1168
00:47:36,579 --> 00:47:40,660
so the flying spaghetti monster within

1169

00:47:39,309 --> 00:47:43,989
the breakout favorite this time around

1170
00:47:40,659 --> 00:47:46,480
possibly end bad farmer ipad farmer yes

1171
00:47:43,989 --> 00:47:48,099
actually i will hope to see Ben Goldacre

1172
00:47:46,480 --> 00:47:51,099
once because after reading the book i

1173
00:47:48,099 --> 00:47:52,869
want to see him perform that he would be

1174
00:47:51,099 --> 00:47:54,670
very good out here i'd like to see him

1175
00:47:52,869 --> 00:47:56,680
come out a lot more often than he does

1176
00:47:54,670 --> 00:47:59,079
now we have had a couple of people come

1177
00:47:56,679 --> 00:48:01,480
up with to show us how they're using

1178
00:47:59,079 --> 00:48:02,619
Kindles just to show us that hey I've

1179
00:48:01,480 --> 00:48:05,469
got this book on the kindle isn't it

1180
00:48:02,619 --> 00:48:09,989
great no you must go yeah that's really

1181
00:48:05,469 --> 00:48:09,988
great thanks dear something like that

1182
00:48:25,300 --> 00:48:30,470
this is desiree shell hosted skeptically

1183
00:48:28,340 --> 00:48:32,960

speaking check out our website at

1184

00:48:30,469 --> 00:48:36,829

skeptically speaking calm and listen to

1185

00:48:32,960 --> 00:48:40,610

us live on CJ sr 88.5 FM in Edmonton

1186

00:48:36,829 --> 00:48:43,329

Alberta Canada I now return you to the

1187

00:48:40,610 --> 00:48:43,329

skeptic zone

1188

00:48:52,690 --> 00:48:57,139

richard another fantastic show you know

1189

00:48:55,610 --> 00:49:00,320

I like doing the skeptic zone when we

1190

00:48:57,139 --> 00:49:02,389

have an audience hello audience there

1191

00:49:00,320 --> 00:49:04,190

you go and it's extra special people

1192

00:49:02,389 --> 00:49:07,250

doing intros and outros this is right to

1193

00:49:04,190 --> 00:49:10,039

be here in wacky central you've never

1194

00:49:07,250 --> 00:49:11,389

really been in the skeptics own studio

1195

00:49:10,039 --> 00:49:15,590

have us i think the term you're looking

1196

00:49:11,389 --> 00:49:18,529

for is allowed that's true anyway we

1197

00:49:15,590 --> 00:49:20,329

better get on now start working on our

1198
00:49:18,530 --> 00:49:21,860
secret project all the people here for

1199
00:49:20,329 --> 00:49:24,710
that I've got a secret project to

1200
00:49:21,860 --> 00:49:26,570
announce two more you know when we did

1201
00:49:24,710 --> 00:49:28,159
tan Las Vegas and all the listings was

1202
00:49:26,570 --> 00:49:29,660
so good to put in to have me come over

1203
00:49:28,159 --> 00:49:31,579
there was great yeah yeah yeahs had a

1204
00:49:29,659 --> 00:49:33,769
great time there well as well as doing

1205
00:49:31,579 --> 00:49:35,719
the 110 interviews for the skeptic zone

1206
00:49:33,769 --> 00:49:38,150
of that 110 when I was interviewing

1207
00:49:35,719 --> 00:49:39,889
people 50 the people I asked off you'd

1208
00:49:38,150 --> 00:49:41,240
like a song what would it be most

1209
00:49:39,889 --> 00:49:43,069
skeptics completely stumped because

1210
00:49:41,239 --> 00:49:45,799
music is not something in talk about

1211
00:49:43,070 --> 00:49:48,200
much of a skeptic convention so I've got

1212
00:49:45,800 --> 00:49:52,130
two episodes coming up of the music of

1213
00:49:48,199 --> 00:49:53,449
Tam Las Vegas 2012 leaned 18 songs is in

1214
00:49:52,130 --> 00:49:55,099
part one and probably about the same

1215
00:49:53,449 --> 00:49:57,619
much in part two and one thing about

1216
00:49:55,099 --> 00:49:59,360
skeptics eclectic taste in music we've

1217
00:49:57,619 --> 00:50:02,329
got stuff with the beatles Brian Setzer

1218
00:49:59,360 --> 00:50:04,940
kiss some blue öyster cult Stevie Ray

1219
00:50:02,329 --> 00:50:07,190
Vaughan opera and a bit of music from

1220
00:50:04,940 --> 00:50:08,510
Sherlock and if you know these people

1221
00:50:07,190 --> 00:50:10,099
time they get him in the show Kerry pop

1222
00:50:08,510 --> 00:50:11,510
he's going to be on the show Aaron with

1223
00:50:10,099 --> 00:50:14,059
the Fez is going to be on the show Bob's

1224
00:50:11,510 --> 00:50:15,740
going to be on the show and lovely lady

1225
00:50:14,059 --> 00:50:18,079
from doubtful news she's also on there

1226

00:50:15,739 --> 00:50:20,059
as well Wow Sharon yes that's what

1227
00:50:18,079 --> 00:50:22,670
Lynard so that that's coming out next

1228
00:50:20,059 --> 00:50:24,079
week at Manor combo Aug no don't check

1229
00:50:22,670 --> 00:50:25,309
that out anyway don't like the songs in

1230
00:50:24,079 --> 00:50:26,719
the show you can't blame me because it's

1231
00:50:25,309 --> 00:50:29,389
at the people asking for I tell what

1232
00:50:26,719 --> 00:50:31,639
Stefan you should have been there cam to

1233
00:50:29,389 --> 00:50:34,129
see may not see main idea we saw this

1234
00:50:31,639 --> 00:50:35,719
reverb in a gold jacket what was that

1235
00:50:34,130 --> 00:50:36,769
all that was may not rushing off to a

1236
00:50:35,719 --> 00:50:38,239
different interview it was just

1237
00:50:36,769 --> 00:50:40,699
something incredible wish I'd be never

1238
00:50:38,239 --> 00:50:42,769
well of the 110 interview 50 of them had

1239
00:50:40,699 --> 00:50:44,449
the music in it and I've had to wrap

1240
00:50:42,769 --> 00:50:46,849

through four and a half hours of

1241
00:50:44,449 --> 00:50:48,169
interviews to find by the two hours for

1242
00:50:46,849 --> 00:50:49,670
the show but it's been well worth and

1243
00:50:48,170 --> 00:50:52,700
everyone said skirts like going there

1244
00:50:49,670 --> 00:50:54,500
again mmm it's like being there again I

1245
00:50:52,699 --> 00:50:56,899
should figure writing writing a new song

1246
00:50:54,500 --> 00:50:58,789
now with us because skeptic rhymes with

1247
00:50:56,900 --> 00:51:00,030
eclectic thing only that could be a good

1248
00:50:58,789 --> 00:51:02,940
song it could be

1249
00:51:00,030 --> 00:51:05,640
yeah it could be we're in a studio right

1250
00:51:02,940 --> 00:51:07,230
now so I should get we should get it out

1251
00:51:05,639 --> 00:51:08,940
my new Weaver stick to stick to the I

1252
00:51:07,230 --> 00:51:10,619
game plan here we got to get this thing

1253
00:51:08,940 --> 00:51:13,019
out really the secret project let's get

1254
00:51:10,619 --> 00:51:14,730
on without secret project folks secret

1255
00:51:13,019 --> 00:51:17,369
projects coming soon and all I can say

1256
00:51:14,730 --> 00:51:21,389
at the moment is watch this space and

1257
00:51:17,369 --> 00:51:27,059
look out for solar flares what does that

1258
00:51:21,389 --> 00:51:31,739
mean you've been listening to the

1259
00:51:27,059 --> 00:51:35,579
skeptic zone visit our website at www

1260
00:51:31,739 --> 00:51:39,289
skeptics on TV for comments contacts and

1261
00:51:35,579 --> 00:51:39,289
extra video reports

1262
00:51:42,230 --> 00:51:44,260
Oh