

**The Skeptic Zone**

**Show 223 - 26 Jan 2013**



**Dr Pamela Gay**

1  
00:00:12,580 --> 00:00:09,080  
welcome to the skeptic zone the podcast

2  
00:00:16,430 --> 00:00:12,590  
from Australia for science and reason

3  
00:00:21,830 --> 00:00:16,440  
yuria hosts Richard Saunders and Stefan

4  
00:00:28,380 --> 00:00:25,590  
hello Richard hello Stefan Stefan it's a

5  
00:00:31,350 --> 00:00:28,390  
bit crowded in the old skeptic zone

6  
00:00:32,609 --> 00:00:31,360  
studios today it certainly is I've got

7  
00:00:34,650 --> 00:00:32,619  
my back to you and everything because

8  
00:00:36,780 --> 00:00:34,660  
we're using separate microphones and

9  
00:00:38,070 --> 00:00:36,790  
we're all packed in here we're packed it

10  
00:00:40,500 --> 00:00:38,080  
we have a special guest for the

11  
00:00:42,540 --> 00:00:40,510  
introduction Maynard oh i'm sorry i'm

12  
00:00:44,280 --> 00:00:42,550  
wearing my big pants that reduces the

13  
00:00:45,540 --> 00:00:44,290

room available in the area I thought

14

00:00:47,670 --> 00:00:45,550

they went out of fashion but there you

15

00:00:48,930 --> 00:00:47,680

go actually hammer them quantum pants

16

00:00:52,560 --> 00:00:48,940

and a bit like the TARDIS that's all I

17

00:00:53,819 --> 00:00:52,570

can say now we joined by Maynard today

18

00:00:55,530 --> 00:00:53,829

because we're recording and it's

19

00:00:57,510 --> 00:00:55,540

Australia Day so a big salute to

20

00:01:00,420 --> 00:00:57,520

Australia everybody the 26 of January

21

00:01:02,250 --> 00:01:00,430

this is episode number 223 by the way

22

00:01:04,010 --> 00:01:02,260

but we're all here we've got some other

23

00:01:06,660 --> 00:01:04,020

friends in the back room hello friends

24

00:01:08,820 --> 00:01:06,670

there we go we're here to record our

25

00:01:11,190 --> 00:01:08,830

secret project we've got Bananarama in

26

00:01:12,840 --> 00:01:11,200

the room with us Oh on your t-shirt I

27

00:01:14,460 --> 00:01:12,850

know I'm wearing a t-shirt they've just

28

00:01:19,010 --> 00:01:14,470

sounded like Bananarama again let's try

29

00:01:20,940 --> 00:01:19,020

it again hello everybody bananarama

30

00:01:22,859 --> 00:01:20,950

amazing the people who appear on the

31

00:01:25,469 --> 00:01:22,869

skeptic zone yes we're here to record

32

00:01:26,969 --> 00:01:25,479

our secret project but before we do all

33

00:01:29,219 --> 00:01:26,979

that of course we're going to talk tell

34

00:01:31,440 --> 00:01:29,229

everybody what's on the show today yeah

35

00:01:33,510 --> 00:01:31,450

Richard um what he saw the show today

36

00:01:35,309 --> 00:01:33,520

because I'll be able so engrossed in

37

00:01:37,169 --> 00:01:35,319

this little project I don't even know

38

00:01:38,940 --> 00:01:37,179

what's going on anymore we've got an

39

00:01:41,340 --> 00:01:38,950

interview with a very dear friend of

40

00:01:43,169 --> 00:01:41,350

mine Pamela gay the astronomer Pamela

41

00:01:46,740 --> 00:01:43,179

gay who's going to tell us about stars

42

00:01:48,660 --> 00:01:46,750

and planets and her recent adventures in

43

00:01:50,219 --> 00:01:48,670

the universe wasn't that an Orchestral

44

00:01:53,880 --> 00:01:50,229

Manoeuvres in the Dark song I think it

45

00:01:56,669 --> 00:01:53,890

was as a b-side mala gay did it instead

46

00:01:58,499 --> 00:01:56,679

we hammer lagane oh Emily sorry sorry

47

00:02:00,719 --> 00:01:58,509

mum looks big of strange things within

48

00:02:02,130 --> 00:02:00,729

Stefan studio then listen to Pamela gay

49

00:02:03,210 --> 00:02:02,140

and he's got a whole bunch of care sets

50

00:02:05,550 --> 00:02:03,220

over there and it's the greatest

51  
00:02:07,620 --> 00:02:05,560  
collection of haircut 100 and Spandau

52  
00:02:09,630 --> 00:02:07,630  
Ballet I've ever seen in cassatt form

53  
00:02:12,480 --> 00:02:09,640  
tears for fears of solid I have never

54  
00:02:15,690 --> 00:02:12,490  
seen so many cassettes racked up Stefan

55  
00:02:18,780 --> 00:02:15,700  
that is impressive anyway after my chat

56  
00:02:22,290 --> 00:02:18,790  
with Pamela gave its dr. Rachel reports

57  
00:02:24,270 --> 00:02:22,300  
talking about false balance our false

58  
00:02:27,870 --> 00:02:24,280  
balance a balance I know all about that

59  
00:02:29,730 --> 00:02:27,880  
do you you've heard my report so I have

60  
00:02:31,890 --> 00:02:29,740  
a zero reports very false balance there

61  
00:02:34,650 --> 00:02:31,900  
very interesting of course to do with

62  
00:02:37,410 --> 00:02:34,660  
the anti-vaccination lobby crowd

63  
00:02:39,330 --> 00:02:37,420

gang group look this many times I've

64

00:02:41,640 --> 00:02:39,340

been involved in something and the

65

00:02:44,130 --> 00:02:41,650

vaccination is just come up and there's

66

00:02:45,780 --> 00:02:44,140

been talk or there's been talk or

67

00:02:47,610 --> 00:02:45,790

there's been or any issue really whether

68

00:02:49,380 --> 00:02:47,620

they try and achieve a balance and

69

00:02:50,730 --> 00:02:49,390

they're not really thinking about

70

00:02:52,230 --> 00:02:50,740

whether they're actually achieving a

71

00:02:53,730 --> 00:02:52,240

balance or they're just getting extra

72

00:02:55,650 --> 00:02:53,740

people to talk on the same topic from

73

00:02:57,090 --> 00:02:55,660

ideas that really don't have any merit I

74

00:02:59,280 --> 00:02:57,100

couldn't have put it any better myself

75

00:03:00,990 --> 00:02:59,290

may not it's happened a few times in

76

00:03:03,630 --> 00:03:01,000

fact there's actually an editorial

77

00:03:06,030 --> 00:03:03,640

passage in the ABC code of practice all

78

00:03:07,410 --> 00:03:06,040

involving balance and false balance I

79

00:03:09,840 --> 00:03:07,420

suggest you look it up I don't know what

80

00:03:12,060 --> 00:03:09,850

section it's in I suspect it's somewhere

81

00:03:16,260 --> 00:03:12,070

after 3.2 because they're that relates

82

00:03:18,390 --> 00:03:16,270

to accuracy again the inside word from

83

00:03:20,040 --> 00:03:18,400

Maynard folks and a round off the show

84

00:03:21,930 --> 00:03:20,050

Maynard of course you're back in

85

00:03:24,870 --> 00:03:21,940

Melbourne talking to Warren Burnett from

86

00:03:26,580 --> 00:03:24,880

in biggin books warm yet a great guy in

87

00:03:28,650 --> 00:03:26,590

big in books is great we find out where

88

00:03:30,030 --> 00:03:28,660

the word in biggin comes from in the

89

00:03:32,070 --> 00:03:30,040

first place during this interview and

90

00:03:33,330 --> 00:03:32,080

also while I was interviewing him and

91

00:03:35,100 --> 00:03:33,340

this will be something so the older

92

00:03:37,560 --> 00:03:35,110

Melbourne listeners a member of

93

00:03:39,840 --> 00:03:37,570

Melbourne band expand the bachelors from

94

00:03:41,430 --> 00:03:39,850

Prague walk past who came in and just

95

00:03:42,840 --> 00:03:41,440

start saying hello to me so we had to

96

00:03:44,190 --> 00:03:42,850

cut that bit out of the interview and

97

00:03:46,199 --> 00:03:44,200

then I had a great chat to warn about

98

00:03:48,630 --> 00:03:46,209

why he does what he does I mean come on

99

00:03:51,240 --> 00:03:48,640

earning a bookshop in a 21st century is

100

00:03:53,040 --> 00:03:51,250

is a tough endeavour it is but it's a

101  
00:03:55,560 --> 00:03:53,050  
great interview and in Bigham books is a

102  
00:03:57,630 --> 00:03:55,570  
fantastic book shop in fact why you were

103  
00:04:00,180 --> 00:03:57,640  
there James Randi pulled the trick on

104  
00:04:03,360 --> 00:04:00,190  
you he did and he also did this magic

105  
00:04:04,620 --> 00:04:03,370  
thing as well where he he he told me to

106  
00:04:07,910 --> 00:04:04,630  
pick a book from the shelf we need a

107  
00:04:11,250 --> 00:04:07,920  
bomb tishner book from the shelf and

108  
00:04:13,080 --> 00:04:11,260  
open a page that I chose and read the

109  
00:04:16,170 --> 00:04:13,090  
first word and he knew what that first

110  
00:04:18,810 --> 00:04:16,180  
sentence was incredible and it's called

111  
00:04:20,159 --> 00:04:18,820  
the book trick in magic circles and the

112  
00:04:21,930 --> 00:04:20,169  
thing is there's a number of ways you

113  
00:04:23,640 --> 00:04:21,940

can do it I suspected you were involved

114

00:04:25,650 --> 00:04:23,650

in a Richard you suspected that at a

115

00:04:27,060 --> 00:04:25,660

time but i can tell you sincerely I was

116

00:04:29,370 --> 00:04:27,070

just there as an innocent bystander

117

00:04:30,630 --> 00:04:29,380

taking photographs I had no idea that

118

00:04:32,550 --> 00:04:30,640

that trick was coming but it's a great

119

00:04:34,140 --> 00:04:32,560

trick I've got no idea how I did it he

120

00:04:35,640 --> 00:04:34,150

could've done a couple different ways I

121

00:04:38,070 --> 00:04:35,650

haven't even bothered to look up on the

122

00:04:39,690 --> 00:04:38,080

net because for me I want to be amazed

123

00:04:42,180 --> 00:04:39,700

look I think the expression it's fun to

124

00:04:44,430 --> 00:04:42,190

be fooled and I was fun being fooled it

125

00:04:46,290 --> 00:04:44,440

was great and and I've got bad farmer

126  
00:04:47,910 --> 00:04:46,300  
there i bought the book bad farmer d-day

127  
00:04:49,560 --> 00:04:47,920  
a good one oh yeah yeah

128  
00:04:51,180 --> 00:04:49,570  
oh that reminds me that timer you

129  
00:04:53,340 --> 00:04:51,190  
tricked me with the the card trick

130  
00:04:54,900 --> 00:04:53,350  
Richard where I was totally full but I

131  
00:04:57,420 --> 00:04:54,910  
was on bad farmer at that stage oh

132  
00:04:59,100 --> 00:04:57,430  
really yeah so he only had two cards or

133  
00:05:01,620 --> 00:04:59,110  
when you pick a card it's wrong the

134  
00:05:03,480 --> 00:05:01,630  
first time and then it's amazing you've

135  
00:05:05,310 --> 00:05:03,490  
got it the second time the only way to

136  
00:05:07,200 --> 00:05:05,320  
do magic folks Stefan I think we better

137  
00:05:08,700 --> 00:05:07,210  
get on with it yes we'd better get on

138  
00:05:10,200 --> 00:05:08,710

with the show and because we're really

139

00:05:12,330 --> 00:05:10,210

engrossed in this project so let's just

140

00:05:14,670 --> 00:05:12,340

do the show and then we can get on and

141

00:05:16,620 --> 00:05:14,680

do this magic realism let's all sit back

142

00:05:18,210 --> 00:05:16,630

now why do we all sit back now we'll

143

00:05:19,770 --> 00:05:18,220

have some of this lovely Stefan cold

144

00:05:22,200 --> 00:05:19,780

water you've poured for us in the studio

145

00:05:23,850 --> 00:05:22,210

you'll all enjoy the skeptic zone and

146

00:05:25,050 --> 00:05:23,860

then we'll get on with the project it's

147

00:05:27,480 --> 00:05:25,060

all right for you i'm actually going to

148

00:05:29,130 --> 00:05:27,490

have a drink of Bananarama a band named

149

00:05:48,970 --> 00:05:29,140

after a drink you gotta love that what

150

00:05:55,940 --> 00:05:51,710

and joining me on the line from

151  
00:05:58,130 --> 00:05:55,950  
wonderfully cool cold crisp snowy and

152  
00:06:02,240 --> 00:05:58,140  
did I said mention cool Edwardsville

153  
00:06:04,550 --> 00:06:02,250  
Illinois Pamela gay hello Pamela hello

154  
00:06:06,290 --> 00:06:04,560  
Richard how are you doing I'm doing okay

155  
00:06:08,530 --> 00:06:06,300  
apart from the fact that it's stinking

156  
00:06:11,240 --> 00:06:08,540  
hot in the Sydney and high humidity but

157  
00:06:12,740 --> 00:06:11,250  
the only good thing is um it makes the

158  
00:06:15,409 --> 00:06:12,750  
beach rather attractive but apart from

159  
00:06:17,630 --> 00:06:15,419  
that I think I'd rather swap with you I

160  
00:06:20,030 --> 00:06:17,640  
you know we we have this strange

161  
00:06:22,550 --> 00:06:20,040  
combination of our first flowers are

162  
00:06:24,080 --> 00:06:22,560  
starting to come up but we're also still

163  
00:06:26,000 --> 00:06:24,090

getting smell so it's an interesting

164

00:06:27,470 --> 00:06:26,010

time of the year where Mother Nature

165

00:06:29,990 --> 00:06:27,480

doesn't know what it should be and

166

00:06:32,030 --> 00:06:30,000

sometimes I wonder pamer if you know

167

00:06:34,430 --> 00:06:32,040

what you should be away you should be I

168

00:06:38,150 --> 00:06:34,440

noticed that you do an awful lot of

169

00:06:42,350 --> 00:06:38,160

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

170

00:06:44,150 --> 00:06:42,360

really quite amazing at times I but what

171

00:06:47,960 --> 00:06:44,160

I'm doing is working to travel the world

172

00:06:50,480 --> 00:06:47,970

and build a community of people who are

173

00:06:52,909 --> 00:06:50,490

learning and doing science together and

174

00:06:55,280 --> 00:06:52,919

we meet in the real world and then we

175

00:06:57,770 --> 00:06:55,290

take what we're doing online and keep

176

00:07:00,080 --> 00:06:57,780

the journey of exploration going that's

177

00:07:02,270 --> 00:07:00,090

very exciting and I know you're a woman

178

00:07:05,030 --> 00:07:02,280

who really does use the internet

179

00:07:07,340 --> 00:07:05,040

probably to its fullest extent or as

180

00:07:08,870 --> 00:07:07,350

much as you possibly can can you tell

181

00:07:11,270 --> 00:07:08,880

our audience a little bit about your

182

00:07:15,740 --> 00:07:11,280

internet internet activities including

183

00:07:18,280 --> 00:07:15,750

these google hangouts yes so just like

184

00:07:21,980 --> 00:07:18,290

you I got my start in some ways with

185

00:07:23,990 --> 00:07:21,990

podcasting and as the technology is

186

00:07:27,320 --> 00:07:24,000

changed we've gotten to do more and more

187

00:07:29,690 --> 00:07:27,330

amazing things and most recently Google

188

00:07:32,030 --> 00:07:29,700

and Google Plus launched what's called

189

00:07:34,760 --> 00:07:32,040

google hangouts on air and it's this

190

00:07:37,820 --> 00:07:34,770

amazing free technology that allows up

191

00:07:40,340 --> 00:07:37,830

to 10 different people to gather via

192

00:07:42,140 --> 00:07:40,350

video conferencing software but it's

193

00:07:45,170 --> 00:07:42,150

smart software that will naturally go

194

00:07:46,850 --> 00:07:45,180

from one person to another that enables

195

00:07:49,010 --> 00:07:46,860

screen sharing and has many other

196

00:07:51,110 --> 00:07:49,020

additional features and

197

00:07:53,629 --> 00:07:51,120

on week we can take this video

198

00:07:55,339 --> 00:07:53,639

conversation that we're generating and

199

00:07:58,399 --> 00:07:55,349

we can share it out to the world via

200

00:08:01,730 --> 00:07:58,409

YouTube live and and reusing this to do

201  
00:08:03,649 --> 00:08:01,740  
things like every Sunday evening we get

202  
00:08:06,020 --> 00:08:03,659  
together a bunch of amateur astronomers

203  
00:08:08,390 --> 00:08:06,030  
with telescopes and we hold a star party

204  
00:08:11,149 --> 00:08:08,400  
where we invite people to look through

205  
00:08:15,110 --> 00:08:11,159  
telescopes with us and just explore the

206  
00:08:17,749 --> 00:08:15,120  
sky that's a that's rather exciting

207  
00:08:21,320 --> 00:08:17,759  
stuff I'm sure that those hangouts must

208  
00:08:24,830 --> 00:08:21,330  
be very popular it's really amazing how

209  
00:08:26,740 --> 00:08:24,840  
many people we get joining us and we're

210  
00:08:29,120 --> 00:08:26,750  
looking to take this from not just

211  
00:08:31,399 --> 00:08:29,130  
several hundred people gathering around

212  
00:08:33,829 --> 00:08:31,409  
to look through the telescopes but we

213  
00:08:37,130 --> 00:08:33,839

also stream out special events we did

214

00:08:39,920 --> 00:08:37,140

live coverage of Mars Curiosity Lander

215

00:08:42,560 --> 00:08:39,930

while landing we we've covered the

216

00:08:44,269 --> 00:08:42,570

transit of Venus and as we move into the

217

00:08:46,280 --> 00:08:44,279

future we're working to work more and

218

00:08:49,699 --> 00:08:46,290

more with NASA and other missions to

219

00:08:51,639 --> 00:08:49,709

help find ways for people to stay up to

220

00:08:53,600 --> 00:08:51,649

date and what's going on in astronomy

221

00:08:56,420 --> 00:08:53,610

well that's it's one of the most

222

00:08:58,670 --> 00:08:56,430

interesting areas of science I think

223

00:09:01,069 --> 00:08:58,680

I've always loved astronomy and it's

224

00:09:03,829 --> 00:09:01,079

it's a nice time occasionally of course

225

00:09:06,290 --> 00:09:03,839

with with skepticism especially when we

226

00:09:07,490 --> 00:09:06,300

think back and our mutual friend dr.

227

00:09:10,310 --> 00:09:07,500

Phil Plait was certainly involved

228

00:09:12,920 --> 00:09:10,320

heavily in this in criticizing a lot of

229

00:09:14,329 --> 00:09:12,930

the silly myths about the moon landing

230

00:09:16,430 --> 00:09:14,339

or the moon landing hoax the moon

231

00:09:18,019 --> 00:09:16,440

landing never happened and that sort of

232

00:09:21,650 --> 00:09:18,029

thing and you're a very popular

233

00:09:23,360 --> 00:09:21,660

presenter at many skeptical conventions

234

00:09:25,639 --> 00:09:23,370

yourself in fact the last time I saw you

235

00:09:30,440 --> 00:09:25,649

I think was at the amazing meeting in

236

00:09:33,769 --> 00:09:30,450

Las Vegas it was and one of the things

237

00:09:36,500 --> 00:09:33,779

that unfortunately a lot of people don't

238

00:09:39,260 --> 00:09:36,510

get to experience is someone talking to

239

00:09:40,910 --> 00:09:39,270

them about science who's talking from

240

00:09:42,769 --> 00:09:40,920

the perspective of love rather than

241

00:09:45,350 --> 00:09:42,779

talking from the perspective of must

242

00:09:49,699 --> 00:09:45,360

must teach you all of these specific

243

00:09:51,980 --> 00:09:49,709

concepts for your next exam and I try to

244

00:09:53,930 --> 00:09:51,990

get to speak from the perspective of

245

00:09:56,449 --> 00:09:53,940

this is something that I'm passionate

246

00:09:58,670 --> 00:09:56,459

about let me share my passion with you

247

00:10:00,319 --> 00:09:58,680

and because of that I've gotten to go to

248

00:10:01,910 --> 00:10:00,329

be amazing meeting I've even gotten to

249

00:10:03,560 --> 00:10:01,920

visit you down there and I

250

00:10:07,519 --> 00:10:03,570

jelly ever would be amazed and leading

251  
00:10:10,370 --> 00:10:07,529  
was down there and it's open the door

252  
00:10:13,280 --> 00:10:10,380  
for me to say not only here's the

253  
00:10:15,980 --> 00:10:13,290  
science that i love but also here's how

254  
00:10:19,730 --> 00:10:15,990  
you can be part of doing the science i

255  
00:10:22,129 --> 00:10:19,740  
love and we've launched recently me Phil

256  
00:10:24,230 --> 00:10:22,139  
Plait you just mentioned Fraser Cain and

257  
00:10:26,720 --> 00:10:24,240  
many others noisy astronomer bald

258  
00:10:29,590 --> 00:10:26,730  
astronomer we want to say it called

259  
00:10:31,970 --> 00:10:29,600  
cosmic west where we were to take this

260  
00:10:34,280 --> 00:10:31,980  
audience of people that we garner from

261  
00:10:36,650 --> 00:10:34,290  
these conventions and bring them online

262  
00:10:38,360 --> 00:10:36,660  
with us and invite them to help us look

263  
00:10:40,850 --> 00:10:38,370

through data from a variety of different

264

00:10:43,189 --> 00:10:40,860

NASA missions and find the

265

00:10:46,189 --> 00:10:43,199

scientifically interesting features in

266

00:10:50,540 --> 00:10:46,199

the middle of vast plains of craters of

267

00:10:52,879 --> 00:10:50,550

great long stretches of volcanic tubes

268

00:10:55,430 --> 00:10:52,889

that stretch across the services of a

269

00:10:58,840 --> 00:10:55,440

variety of rocky worlds within our solar

270

00:11:01,750 --> 00:10:58,850

system that's so interesting and I think

271

00:11:04,790 --> 00:11:01,760

relatively recently I seem to remember

272

00:11:07,639 --> 00:11:04,800

is I think it was dr. Phil Plait posted

273

00:11:09,500 --> 00:11:07,649

up a picture or some information about a

274

00:11:13,850 --> 00:11:09,510

double impact crater on the moon which

275

00:11:16,160 --> 00:11:13,860

was so fascinating yes and and that's

276

00:11:18,560 --> 00:11:16,170

that's the cool thing about so much of

277

00:11:20,360 --> 00:11:18,570

this is I were still learning things

278

00:11:21,920 --> 00:11:20,370

you're still discovering things and that

279

00:11:24,680 --> 00:11:21,930

double crater that was one of those

280

00:11:28,220 --> 00:11:24,690

moments where a broken comment or a

281

00:11:30,740 --> 00:11:28,230

shattered asteroid and its orbit around

282

00:11:32,750 --> 00:11:30,750

our Sun well its orbit happen to just

283

00:11:35,689 --> 00:11:32,760

intervene with the surface of the moon

284

00:11:38,000 --> 00:11:35,699

and so you see this set of craters one

285

00:11:40,400 --> 00:11:38,010

next to another created by a broken

286

00:11:43,300 --> 00:11:40,410

object getting even more broken up as it

287

00:11:47,120 --> 00:11:43,310

hits them in isn't that interesting and

288

00:11:50,030 --> 00:11:47,130

it's just beyond our wildest

289

00:11:52,699 --> 00:11:50,040

imagination what even on the moon what

290

00:11:57,439 --> 00:11:52,709

is waiting for us to there to be

291

00:12:00,319 --> 00:11:57,449

discovered and what we're doing now is

292

00:12:03,559 --> 00:12:00,329

we're working to find as scientifically

293

00:12:05,600 --> 00:12:03,569

interesting places that someday we'll be

294

00:12:07,670 --> 00:12:05,610

able to go visit maybe not you and I

295

00:12:09,980 --> 00:12:07,680

maybe it will be the next generation or

296

00:12:12,710 --> 00:12:09,990

maybe it'll just be such a rare number

297

00:12:14,660 --> 00:12:12,720

of people that that it's going to be ten

298

00:12:15,280 --> 00:12:14,670

other people and other of us or part of

299

00:12:18,530 --> 00:12:15,290

that

300

00:12:21,769 --> 00:12:18,540

but but we're finding those places today

301  
00:12:23,629 --> 00:12:21,779  
that in tomorrows tomorrow someone is

302  
00:12:27,679 --> 00:12:23,639  
going to go and stand and pick up a rock

303  
00:12:30,049 --> 00:12:27,689  
and explore it for us absolutely and I

304  
00:12:34,220 --> 00:12:30,059  
guess if we can't go there pamela at

305  
00:12:36,769 --> 00:12:34,230  
least we can see very rich images and

306  
00:12:38,960 --> 00:12:36,779  
hopefully you know very detailed almost

307  
00:12:40,519 --> 00:12:38,970  
virtual reality of these places I would

308  
00:12:42,230 --> 00:12:40,529  
find that exciting I would find it

309  
00:12:44,509 --> 00:12:42,240  
exciting to walk across a virtual

310  
00:12:46,460 --> 00:12:44,519  
reality simulation of the moon which was

311  
00:12:48,379 --> 00:12:46,470  
perfect to the nearest millimeter or

312  
00:12:51,829 --> 00:12:48,389  
something like that and we're actually

313  
00:12:55,249 --> 00:12:51,839

getting to the ability to do things sort

314

00:12:58,569 --> 00:12:55,259

of like that with with Mars the Mars

315

00:13:00,980 --> 00:12:58,579

Curiosity Lander it has a set of eyes

316

00:13:03,079 --> 00:13:00,990

separated much like our own human eyes

317

00:13:06,110 --> 00:13:03,089

are separated one from the other and

318

00:13:08,989 --> 00:13:06,120

using stereoscopic imagery that's been

319

00:13:11,600 --> 00:13:08,999

sent back to us from the red planet we

320

00:13:14,509 --> 00:13:11,610

can ride along with the rover looking

321

00:13:17,600 --> 00:13:14,519

through its eyes and see that 3d reality

322

00:13:20,809 --> 00:13:17,610

that stretches around us that virtual

323

00:13:22,220 --> 00:13:20,819

future is coming and there's actually a

324

00:13:25,400 --> 00:13:22,230

youtube video that is put together

325

00:13:27,829 --> 00:13:25,410

during the hackfest at the american

326

00:13:30,439 --> 00:13:27,839

astronomical society is meaning this

327

00:13:34,220 --> 00:13:30,449

year that will allow you with with red

328

00:13:36,889 --> 00:13:34,230

blue 3d glasses too well right along and

329

00:13:39,679 --> 00:13:36,899

see that during the village of Mars

330

00:13:41,150 --> 00:13:39,689

that's exciting who knows pamela maybe

331

00:13:42,619 --> 00:13:41,160

we can invent a new name for this

332

00:13:47,090 --> 00:13:42,629

technology all why don't know we could

333

00:13:48,739 --> 00:13:47,100

call it the holodeck email i'm all for

334

00:13:51,290 --> 00:13:48,749

that happening and the sooner the better

335

00:13:53,179 --> 00:13:51,300

and not only do I want that holodeck

336

00:13:55,489 --> 00:13:53,189

that allows you to go in and immerse

337

00:13:57,410 --> 00:13:55,499

yourself in a virtual world but when I'm

338

00:14:00,290 --> 00:13:57,420

waiting for is the holodeck that allows

339

00:14:02,269 --> 00:14:00,300

me from my computer and you from yours

340

00:14:05,179 --> 00:14:02,279

to join one another in a virtual

341

00:14:08,290 --> 00:14:05,189

collaborative space where we can conjure

342

00:14:11,059 --> 00:14:08,300

up the virtual whiteboard and work

343

00:14:14,059 --> 00:14:11,069

simulated humans is simulated human at

344

00:14:15,889 --> 00:14:14,069

building a real teacher had just boggles

345

00:14:17,720 --> 00:14:15,899

the mind doesn't and i think i was i

346

00:14:20,780 --> 00:14:17,730

sent you a little message the other day

347

00:14:22,309 --> 00:14:20,790

saying how nice it would be something

348

00:14:24,169 --> 00:14:22,319

that you and I have never done you've

349

00:14:26,780 --> 00:14:24,179

never taken me out away from the lights

350

00:14:28,170 --> 00:14:26,790

and said let me show you some of my

351

00:14:31,350 --> 00:14:28,180

stars and i think that

352

00:14:33,240 --> 00:14:31,360

be quite a wonderful experience you know

353

00:14:35,220 --> 00:14:33,250

Richard some of the best stars to be

354

00:14:37,290 --> 00:14:35,230

seen are actually down in your part of

355

00:14:39,570 --> 00:14:37,300

the world so this one's on you to find a

356

00:14:41,639 --> 00:14:39,580

new way to bring me back down under so

357

00:14:43,920 --> 00:14:41,649

that well maybe this time we can escape

358

00:14:47,510 --> 00:14:43,930

the confines of Sydney and go out and

359

00:14:50,610 --> 00:14:47,520

look up at the amazing southern skies oh

360

00:14:52,320 --> 00:14:50,620

the man who does the voice overs for the

361

00:14:54,090 --> 00:14:52,330

skeptic zone a guy called Jim Wilshire

362

00:14:56,190 --> 00:14:54,100

who does the introductions as hello

363

00:15:00,540 --> 00:14:56,200

welcome to the skeptics and he lives on

364

00:15:02,790 --> 00:15:00,550

a farm down in near Aubrey which is way

365

00:15:04,650 --> 00:15:02,800

out in the countryside when I visit him

366

00:15:07,139 --> 00:15:04,660

from time to time and I walk outside at

367

00:15:10,530 --> 00:15:07,149

night there is no light pollution it's

368

00:15:13,680 --> 00:15:10,540

just extraordinary just beautiful

369

00:15:16,440 --> 00:15:13,690

beautiful seeing conditions and and the

370

00:15:20,400 --> 00:15:16,450

amazing thing is that in those dark

371

00:15:22,949 --> 00:15:20,410

places on those spring nights when the

372

00:15:25,769 --> 00:15:22,959

Milky Way is overhead and the large and

373

00:15:27,900 --> 00:15:25,779

small magellanic clouds are off to the

374

00:15:31,139 --> 00:15:27,910

side like someone has taken a bit from

375

00:15:33,269 --> 00:15:31,149

the Milky Way just tossed it away on

376

00:15:35,610 --> 00:15:33,279

those nights we can really see the

377

00:15:37,829 --> 00:15:35,620

diversity of what our sky has to offer

378

00:15:39,900 --> 00:15:37,839

to pee right into star forming regions

379

00:15:42,510 --> 00:15:39,910

like the create great cream in the

380

00:15:45,540 --> 00:15:42,520

beulah as as we see the disks of our

381

00:15:48,810 --> 00:15:45,550

disk of our own galaxy in the messed up

382

00:15:51,180 --> 00:15:48,820

religions of those two by black clouds

383

00:15:53,460 --> 00:15:51,190

that the sky down there just has so much

384

00:15:56,490 --> 00:15:53,470

to offer and and let's let's never

385

00:16:00,600 --> 00:15:56,500

forget the dark expanses of dust that

386

00:16:02,460 --> 00:16:00,610

make the MU constellation that got named

387

00:16:04,019 --> 00:16:02,470

because of a little critter that well

388

00:16:07,230 --> 00:16:04,029

walks around in the outback of your

389

00:16:10,380 --> 00:16:07,240

country not so little and one thing that

390

00:16:13,620 --> 00:16:10,390

I I take advantage of in the last few

391

00:16:16,230 --> 00:16:13,630

years and it's very few years recently

392

00:16:18,870 --> 00:16:16,240

are these interesting apps that you have

393

00:16:21,960 --> 00:16:18,880

on various handheld devices like ipad in

394

00:16:25,050 --> 00:16:21,970

like iphone etc which lets you hold your

395

00:16:27,120 --> 00:16:25,060

device up to the sky swing it around and

396

00:16:29,690 --> 00:16:27,130

it'll tell you what you're looking at in

397

00:16:32,760 --> 00:16:29,700

the sky I think that's just marvelous

398

00:16:34,500 --> 00:16:32,770

yeah the star walk app is one of the

399

00:16:36,990 --> 00:16:34,510

ones that I tend to use the most it's

400

00:16:38,910 --> 00:16:37,000

one that actively supported the

401  
00:16:39,160 --> 00:16:38,920  
international year of astronomy and kind

402  
00:16:43,629 --> 00:16:39,170  
of

403  
00:16:47,019 --> 00:16:43,639  
on me over when it did that and the the

404  
00:16:49,600 --> 00:16:47,029  
the apps they allow us to look up and

405  
00:16:52,810 --> 00:16:49,610  
not just go wow what is that but to go

406  
00:16:55,120 --> 00:16:52,820  
wow what is that and find the answer and

407  
00:16:58,210 --> 00:16:55,130  
it's that ability to understand our

408  
00:17:01,900 --> 00:16:58,220  
universe that I think makes astronomy so

409  
00:17:04,299 --> 00:17:01,910  
magical we actually have the ability

410  
00:17:06,640 --> 00:17:04,309  
through observation and the application

411  
00:17:09,400 --> 00:17:06,650  
amount to actually with our own minds

412  
00:17:11,260 --> 00:17:09,410  
working on our own desks to figure out

413  
00:17:13,659 --> 00:17:11,270

what that is that we're seeing in the

414

00:17:16,689 --> 00:17:13,669

sky to understand what are the origins

415

00:17:19,299 --> 00:17:16,699

of our universe and predict how our

416

00:17:21,520 --> 00:17:19,309

universe is going to change as well

417

00:17:23,380 --> 00:17:21,530

future generations and pace your

418

00:17:25,299 --> 00:17:23,390

civilizations continue to watch it

419

00:17:27,819 --> 00:17:25,309

through time now of course your love of

420

00:17:31,630 --> 00:17:27,829

all things astronomical is is well known

421

00:17:34,299 --> 00:17:31,640

and your love of podcasting to tell me

422

00:17:36,909 --> 00:17:34,309

how long how long now has astronomy cast

423

00:17:41,230 --> 00:17:36,919

been going oh wow it's really quite

424

00:17:45,570 --> 00:17:41,240

amazing we uh we're coming up on seven

425

00:17:50,110 --> 00:17:45,580

years now really it's we started this in

426

00:17:53,530 --> 00:17:50,120

September of 2006 and and we're still

427

00:17:55,270 --> 00:17:53,540

going strong and it's really been

428

00:17:57,669 --> 00:17:55,280

amazing to get to work with Fraser Cain

429

00:18:00,130 --> 00:17:57,679

the produced over in universe today and

430

00:18:04,450 --> 00:18:00,140

to publish your other of Universe Today

431

00:18:07,270 --> 00:18:04,460

and two together every week be able to

432

00:18:10,380 --> 00:18:07,280

take on new topics and astronomy and I

433

00:18:13,090 --> 00:18:10,390

don't see our show ever ending because

434

00:18:15,039 --> 00:18:13,100

astronomy itself this is constantly

435

00:18:16,930 --> 00:18:15,049

changing we're constantly learning new

436

00:18:19,539 --> 00:18:16,940

things and over time we're going to get

437

00:18:22,330 --> 00:18:19,549

to go back and change some of the shows

438

00:18:26,080 --> 00:18:22,340

that we've done and redo them as as our

439

00:18:28,260 --> 00:18:26,090

understanding gets redone as well that's

440

00:18:30,520 --> 00:18:28,270

very exciting and since one of the the

441

00:18:32,830 --> 00:18:30,530

podcasts I started listening to a long

442

00:18:36,010 --> 00:18:32,840

time ago well certainly of course before

443

00:18:41,110 --> 00:18:36,020

the skeptic zone podcast started started

444

00:18:43,270 --> 00:18:41,120

up and since I think either episode 10

445

00:18:46,360 --> 00:18:43,280

episode to pamorah of the skeptic zone

446

00:18:48,730 --> 00:18:46,370

I've been plugging astronomy cast oh I

447

00:18:50,560 --> 00:18:48,740

hope I get a gold star for that you

448

00:18:52,740 --> 00:18:50,570

certainly do you you've been a friend

449

00:18:55,560 --> 00:18:52,750

with the show for a long time

450

00:18:59,640 --> 00:18:55,570

I I remember that first dragon con with

451

00:19:01,920 --> 00:18:59,650

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

452

00:19:03,720 --> 00:19:01,930

work in a field where we can continue to

453

00:19:06,480 --> 00:19:03,730

support one another through the years

454

00:19:08,940 --> 00:19:06,490

and this is part of the reason that I've

455

00:19:11,070 --> 00:19:08,950

stayed with me immediate or so long and

456

00:19:13,080 --> 00:19:11,080

why I've continued to find new ways to

457

00:19:16,290 --> 00:19:13,090

evolve what I need to match the

458

00:19:18,170 --> 00:19:16,300

constantly changing technologies it's

459

00:19:20,820 --> 00:19:18,180

because I get to work with people who

460

00:19:23,130 --> 00:19:20,830

actively say how can I help how can we

461

00:19:25,620 --> 00:19:23,140

support each other how how did we make

462

00:19:28,140 --> 00:19:25,630

the world better through science through

463

00:19:30,480 --> 00:19:28,150

skepticism using new media to support

464

00:19:32,970 --> 00:19:30,490

one another and support society it was

465

00:19:35,160 --> 00:19:32,980

the first time I was at dragoncon in

466

00:19:39,120 --> 00:19:35,170

atlanta georgia i think that was 2008

467

00:19:41,430 --> 00:19:39,130

and i was a lamb in the woods I didn't

468

00:19:43,650 --> 00:19:41,440

know what was going on it was completely

469

00:19:45,870 --> 00:19:43,660

incredible that all these people running

470

00:19:49,530 --> 00:19:45,880

around in costumes and the high heat and

471

00:19:51,300 --> 00:19:49,540

the bizarre goings-on but i think i was

472

00:19:53,970 --> 00:19:51,310

introduced to you by a phil plait so

473

00:19:56,310 --> 00:19:53,980

that was a very nice memory you know

474

00:19:58,200 --> 00:19:56,320

earlier this evening i actually found a

475

00:20:00,890 --> 00:19:58,210

picture from that year that has the

476

00:20:04,110 --> 00:20:00,900

three of us and i'll have to said that

477

00:20:07,980 --> 00:20:04,120

that's fantastic now Pamela these sites

478

00:20:10,230 --> 00:20:07,990

that you mentioned earlier this the

479

00:20:12,060 --> 00:20:10,240

google activities what's the best place

480

00:20:15,390 --> 00:20:12,070

people can go to check out more about

481

00:20:20,070 --> 00:20:15,400

what you're doing well cosmic west org

482

00:20:23,310 --> 00:20:20,080

is the central area where we go and hug

483

00:20:25,200 --> 00:20:23,320

together all of our various content you

484

00:20:28,290 --> 00:20:25,210

can also find my personal writing at

485

00:20:31,380 --> 00:20:28,300

star shredder calm and follow me on

486

00:20:33,630 --> 00:20:31,390

Twitter or Google+ I'm either star

487

00:20:35,970 --> 00:20:33,640

strata or go but my own name Pamela gay

488

00:20:37,560 --> 00:20:35,980

across all the different media well

489

00:20:40,200 --> 00:20:37,570

Pamela gay I can only wish you

490

00:20:43,380 --> 00:20:40,210

unpolluted skies and good seeing

491

00:20:45,390 --> 00:20:43,390

positions i i'm so glad to be part of

492

00:20:48,030 --> 00:20:45,400

your show and I hope that together we

493

00:21:03,299 --> 00:20:48,040

can build a more skeptical future Thank

494

00:21:07,539 --> 00:21:05,649

astronomy cast takes a facts based

495

00:21:09,430 --> 00:21:07,549

journey through the cosmos as it offers

496

00:21:12,129 --> 00:21:09,440

listeners weekly discussions on

497

00:21:15,009 --> 00:21:12,139

astronomical topics ranging from planets

498

00:21:17,320 --> 00:21:15,019

to cosmology hosted by Fraser Cain of

499

00:21:18,340 --> 00:21:17,330

Universe Today and myself dr. Pamela

500

00:21:21,009 --> 00:21:18,350

gave southern illinois university

501  
00:21:22,869 --> 00:21:21,019  
edwardsville this show brings the

502  
00:21:25,330 --> 00:21:22,879  
questions of an avid astronomy lover

503  
00:21:27,399 --> 00:21:25,340  
directly to an astronomer together

504  
00:21:28,960 --> 00:21:27,409  
Fraser and I explore what is known and

505  
00:21:31,690 --> 00:21:28,970  
being discovered about the universe

506  
00:21:33,789 --> 00:21:31,700  
around us join us each week as we take a

507  
00:21:44,440 --> 00:21:33,799  
fax space journey through the cosmos at

508  
00:21:47,080 --> 00:21:44,450  
astronomy cast calm now it's time for

509  
00:21:49,500 --> 00:21:47,090  
dr. Ritchie reports with dr. Rachel

510  
00:21:52,080 --> 00:21:49,510  
Dunlop

511  
00:21:54,240 --> 00:21:52,090  
hello listeners and welcome to dr. heo

512  
00:21:56,970 --> 00:21:54,250  
reports well this week I want to discuss

513  
00:21:59,550 --> 00:21:56,980

a false balance which is defined by

514

00:22:02,670 --> 00:21:59,560

wikipedia as a term used to describe a

515

00:22:04,530 --> 00:22:02,680

perceived or real media bias where

516

00:22:05,940 --> 00:22:04,540

journalists present an issue as being

517

00:22:07,950 --> 00:22:05,950

more balanced between opposing

518

00:22:10,590 --> 00:22:07,960

viewpoints than the evidence actually

519

00:22:12,480 --> 00:22:10,600

supports now if that sounds a bit jargon

520

00:22:14,700 --> 00:22:12,490

istic give me a minute and I'll explain

521

00:22:16,830 --> 00:22:14,710

it to you but I want to talk about false

522

00:22:18,540 --> 00:22:16,840

balance this week in the context of

523

00:22:21,330 --> 00:22:18,550

science and medicine reporting in the

524

00:22:23,100 --> 00:22:21,340

mainstream media so false balance has

525

00:22:24,810 --> 00:22:23,110

long been a problem in the mainstream

526

00:22:26,550 --> 00:22:24,820

media particularly when it comes to

527

00:22:29,340 --> 00:22:26,560

stories concerning science and medicine

528

00:22:30,870 --> 00:22:29,350

and it's a curious occurrence since the

529

00:22:32,670 --> 00:22:30,880

most journals will scoff when you

530

00:22:34,920 --> 00:22:32,680

proposed they invite a flat earth or on

531

00:22:37,770 --> 00:22:34,930

to a story about circumnavigating the

532

00:22:40,710 --> 00:22:37,780

globe or a Holocaust denier in stories

533

00:22:42,900 --> 00:22:40,720

about World War two but the parallels to

534

00:22:44,460 --> 00:22:42,910

inviting an anti vector onto a story

535

00:22:48,570 --> 00:22:44,470

about vaccinations for the sake of

536

00:22:50,670 --> 00:22:48,580

balance somehow escapes them of course

537

00:22:52,500 --> 00:22:50,680

this means that anti-vaxxers exploit the

538

00:22:54,200 --> 00:22:52,510

idea of balance by claiming there are

539

00:22:56,190 --> 00:22:54,210

two sides to every story and

540

00:22:59,550 --> 00:22:56,200

disseminating the idea that there is a

541

00:23:01,860 --> 00:22:59,560

vaccine debate well in the interest of

542

00:23:04,770 --> 00:23:01,870

saving time and going over old ground

543

00:23:07,260 --> 00:23:04,780

there is no debate the science is in

544

00:23:10,350 --> 00:23:07,270

vaccines work and the benefits far

545

00:23:12,390 --> 00:23:10,360

outweigh any associated risks but before

546

00:23:15,420 --> 00:23:12,400

anyone bothered to challenge the media

547

00:23:17,370 --> 00:23:15,430

that false balance was bad m'kay the

548

00:23:19,770 --> 00:23:17,380

anti-vaxxers got virtually a free ride

549

00:23:22,050 --> 00:23:19,780

in the Australian media now the

550

00:23:23,940 --> 00:23:22,060

Australian vaccination Network we used

551  
00:23:27,150 --> 00:23:23,950  
to be fronted by Merrill dory who has

552  
00:23:29,430 --> 00:23:27,160  
recently retired was a media darling and

553  
00:23:31,080 --> 00:23:29,440  
they were the go-to people for just

554  
00:23:33,720 --> 00:23:31,090  
about every story concerning

555  
00:23:36,030 --> 00:23:33,730  
vaccinations in Australia so juxtaposed

556  
00:23:39,810 --> 00:23:36,040  
alongside highly qualified experts in

557  
00:23:41,760 --> 00:23:39,820  
immunology medicine pediatrics this let

558  
00:23:43,560 --> 00:23:41,770  
legitimacy to Merrill dories opinions

559  
00:23:46,050 --> 00:23:43,570  
and elevated her to the heights of

560  
00:23:48,900 --> 00:23:46,060  
expert despite the fact that she has

561  
00:23:52,010 --> 00:23:48,910  
absolutely no qualifications apart from

562  
00:23:54,510 --> 00:23:52,020  
a brain which she will happily tell you

563  
00:23:56,580 --> 00:23:54,520

now when miss Dorry was described on the

564

00:23:59,040 --> 00:23:56,590

program for the Woodford Folk Festival

565

00:24:02,490 --> 00:23:59,050

several years ago as Australia's leading

566

00:24:03,480 --> 00:24:02,500

expert in vaccination I didn't see her

567

00:24:05,360 --> 00:24:03,490

falling all over her

568

00:24:07,890 --> 00:24:05,370

self to correct this misconception

569

00:24:09,780 --> 00:24:07,900

however something has happened in

570

00:24:13,140 --> 00:24:09,790

Australia over the last few years it has

571

00:24:15,510 --> 00:24:13,150

been very encouraging and slowly a shift

572

00:24:17,880 --> 00:24:15,520

away from false balance with respect to

573

00:24:20,549 --> 00:24:17,890

vaccination stories has begun and

574

00:24:22,410 --> 00:24:20,559

largely during my opinion to a tireless

575

00:24:24,660 --> 00:24:22,420

campaign by a bunch of concerned

576

00:24:26,250 --> 00:24:24,670

citizens who loosely fall under the

577

00:24:29,190 --> 00:24:26,260

umbrella of stop the Australian

578

00:24:31,590 --> 00:24:29,200

vaccination network or si bien so why is

579

00:24:33,180 --> 00:24:31,600

this so important well a recently

580

00:24:34,980 --> 00:24:33,190

published paper which is quite a

581

00:24:37,260 --> 00:24:34,990

preliminary study but in any case is

582

00:24:39,890 --> 00:24:37,270

interesting highlights the reasons why

583

00:24:42,780 --> 00:24:39,900

false balance can actually be dangerous

584

00:24:44,940 --> 00:24:42,790

so using the consistently reported but

585

00:24:47,730 --> 00:24:44,950

thoroughly unsinkable rubber duck of an

586

00:24:49,799 --> 00:24:47,740

autism vaccine link the authors Dixon

587

00:24:52,260 --> 00:24:49,809

and Clark investigated how this

588

00:24:55,610 --> 00:24:52,270

reporting style influences judgments of

589

00:24:58,470 --> 00:24:55,620

a vaccine risk so they randomly assigned

590

00:25:00,720 --> 00:24:58,480

320 undergraduate students to read a

591

00:25:03,660 --> 00:25:00,730

news item presenting either claims both

592

00:25:06,330 --> 00:25:03,670

for or against an autism vaccine link

593

00:25:08,370 --> 00:25:06,340

are purely anti-vaccine vaccines

594

00:25:11,640 --> 00:25:08,380

definitely cause autism article and

595

00:25:13,440 --> 00:25:11,650

there is no link article now

596

00:25:15,120 --> 00:25:13,450

unsurprisingly they reported that the

597

00:25:17,640 --> 00:25:15,130

participants who read the article saying

598

00:25:19,110 --> 00:25:17,650

vaccines cause autism indicated they

599

00:25:20,850 --> 00:25:19,120

would be less likely to have their

600

00:25:22,919 --> 00:25:20,860

children vaccinated in the future and

601  
00:25:24,930 --> 00:25:22,929  
this observation is supported by other

602  
00:25:26,970 --> 00:25:24,940  
research showing that viewing an anti

603  
00:25:29,549 --> 00:25:26,980  
vaccine website for 5 to 10 minutes

604  
00:25:32,190 --> 00:25:29,559  
increased perceptions of vaccination

605  
00:25:35,340 --> 00:25:32,200  
risk and decreased perceptions of the

606  
00:25:37,380 --> 00:25:35,350  
risks of not having vaccines also from

607  
00:25:39,480 --> 00:25:37,390  
this research more importantly viewing

608  
00:25:41,430 --> 00:25:39,490  
an anti-vaccine website significantly

609  
00:25:44,040 --> 00:25:41,440  
decreased intentions to vaccinate in

610  
00:25:46,470 --> 00:25:44,050  
parents which persisted five months

611  
00:25:47,910 --> 00:25:46,480  
later and this translated into parents

612  
00:25:51,090 --> 00:25:47,920  
having their children receive fewer

613  
00:25:53,280 --> 00:25:51,100

vaccinations than recommended and indeed

614

00:25:55,320 --> 00:25:53,290

data also shows us that people that get

615

00:25:57,299 --> 00:25:55,330

their information about vaccines purely

616

00:25:59,640 --> 00:25:57,309

from the internet are less likely to

617

00:26:01,860 --> 00:25:59,650

vaccinate their children however what

618

00:26:04,350 --> 00:26:01,870

was more surprising and shocking about

619

00:26:07,260 --> 00:26:04,360

the findings of Dixon and Clark was that

620

00:26:10,230 --> 00:26:07,270

the balanced article produced a stronger

621

00:26:11,790 --> 00:26:10,240

effect than the link only article so let

622

00:26:15,180 --> 00:26:11,800

me just repeat that in case you missed

623

00:26:16,860 --> 00:26:15,190

it the false balance article citing a

624

00:26:17,370 --> 00:26:16,870

possible link between vaccines and

625

00:26:20,070 --> 00:26:17,380

autism

626  
00:26:22,320 --> 00:26:20,080  
left participants feeling less confident

627  
00:26:24,540 --> 00:26:22,330  
about the safety of vaccines then the

628  
00:26:28,920 --> 00:26:24,550  
vaccines definitely cause autism article

629  
00:26:30,780 --> 00:26:28,930  
Wow so the authors suggested the reasons

630  
00:26:33,030 --> 00:26:30,790  
for this may be due to false balance

631  
00:26:36,300 --> 00:26:33,040  
eliciting a stronger perception that

632  
00:26:38,310 --> 00:26:36,310  
experts are indeed divided or that

633  
00:26:40,980 --> 00:26:38,320  
experts truly are uncertain whether

634  
00:26:43,530 --> 00:26:40,990  
vaccines cause autism and of course we

635  
00:26:45,870 --> 00:26:43,540  
know that they don't so this study

636  
00:26:47,910 --> 00:26:45,880  
suggests that false balance reporting

637  
00:26:49,710 --> 00:26:47,920  
with respect to vaccine safety lowers

638  
00:26:52,470 --> 00:26:49,720

people's intentions to vaccinate their

639

00:26:54,420 --> 00:26:52,480

children in the future more so than

640

00:26:57,510 --> 00:26:54,430

simple straight up anti-vaccine

641

00:26:59,790 --> 00:26:57,520

reporting so this issue of false balance

642

00:27:01,830 --> 00:26:59,800

was covered extremely well on a recent

643

00:27:05,190 --> 00:27:01,840

episode of australia's media watchdog

644

00:27:07,140 --> 00:27:05,200

program which is called Media Watch now

645

00:27:09,000 --> 00:27:07,150

the segment under scrutiny features

646

00:27:10,980 --> 00:27:09,010

Merle dory commenting on a measles

647

00:27:14,130 --> 00:27:10,990

outbreak and coincidentally quotes her

648

00:27:16,080 --> 00:27:14,140

as saying and quote for vaccinations in

649

00:27:17,850 --> 00:27:16,090

the medical literature have been linked

650

00:27:19,590 --> 00:27:17,860

with the possibility of causing autism

651  
00:27:25,140 --> 00:27:19,600  
not just the measles mumps rubella

652  
00:27:26,820 --> 00:27:25,150  
vaccine this makes me so mad I'm told

653  
00:27:28,860 --> 00:27:26,830  
that this show is required viewing for

654  
00:27:31,260 --> 00:27:28,870  
all journals and getting a mention is a

655  
00:27:34,050 --> 00:27:31,270  
black mark against your name such is the

656  
00:27:36,360 --> 00:27:34,060  
power of media watch the story is a

657  
00:27:38,610 --> 00:27:36,370  
Smackdown of a report which featured on

658  
00:27:40,500 --> 00:27:38,620  
when news and was later the subject of

659  
00:27:43,140 --> 00:27:40,510  
complaints the communications regulator

660  
00:27:45,870 --> 00:27:43,150  
in the story the host Jonathan Holmes

661  
00:27:48,000 --> 00:27:45,880  
said but Meryl door is deceptively named

662  
00:27:50,010 --> 00:27:48,010  
Australian vaccination network is in

663  
00:27:52,680 --> 00:27:50,020

fact an obsessively anti-vaccination

664

00:27:54,870 --> 00:27:52,690

pressure group that's immunized itself

665

00:27:57,660 --> 00:27:54,880

against the effect of scientific

666

00:27:59,730 --> 00:27:57,670

evidence dories claim about the medical

667

00:28:04,500 --> 00:27:59,740

literature linking vaccinations and

668

00:28:06,150 --> 00:28:04,510

autism is pure unadulterated baloney now

669

00:28:08,220 --> 00:28:06,160

some people have suggested that this

670

00:28:10,260 --> 00:28:08,230

story functioned as a warning to anyone

671

00:28:12,560 --> 00:28:10,270

else in the media should they foolishly

672

00:28:15,360 --> 00:28:12,570

decide to go the false balance route

673

00:28:17,490 --> 00:28:15,370

there are rumors in fact very strong

674

00:28:19,680 --> 00:28:17,500

rumors that some media outlets in

675

00:28:22,260 --> 00:28:19,690

Australia have a complete ban on talking

676  
00:28:24,270 --> 00:28:22,270  
to ms dory and it will be interesting to

677  
00:28:26,520 --> 00:28:24,280  
see if this still stands now that she is

678  
00:28:28,500 --> 00:28:26,530  
no longer the president and spokesperson

679  
00:28:30,990 --> 00:28:28,510  
in my own experience I've recently

680  
00:28:32,880 --> 00:28:31,000  
started telling media if they plan to do

681  
00:28:35,670 --> 00:28:32,890  
one story then they will not get my

682  
00:28:37,770 --> 00:28:35,680  
participation interestingly when I was

683  
00:28:39,960 --> 00:28:37,780  
recently asked to go on the primetime

684  
00:28:42,330 --> 00:28:39,970  
show the project to talk about the

685  
00:28:44,940 --> 00:28:42,340  
Academy of Sciences immunization booklet

686  
00:28:47,910 --> 00:28:44,950  
I asked if they planned to also have on

687  
00:28:49,740 --> 00:28:47,920  
an anti vaxcel the producer told me they

688  
00:28:51,300 --> 00:28:49,750

had asked for someone from the anti

689

00:28:54,560 --> 00:28:51,310

backside who had refused to participate

690

00:28:57,780 --> 00:28:54,570

unless they could be interviewed live

691

00:28:59,610 --> 00:28:57,790

now as far as I'm aware the project pre

692

00:29:02,130 --> 00:28:59,620

records all their crosses to allow for

693

00:29:03,750 --> 00:29:02,140

editing but the antioxidant want to be

694

00:29:06,600 --> 00:29:03,760

made to look silly in the editing

695

00:29:09,570 --> 00:29:06,610

process and yes the irony has not

696

00:29:10,920 --> 00:29:09,580

escaped me the producer told me it was

697

00:29:12,780 --> 00:29:10,930

ridiculous that they would expect

698

00:29:15,630 --> 00:29:12,790

special treatment when everyone else is

699

00:29:18,420 --> 00:29:15,640

pre recorded and edited so they opted to

700

00:29:20,700 --> 00:29:18,430

be not included in the show well their

701  
00:29:23,010 --> 00:29:20,710  
loss i guess i mean the project is

702  
00:29:25,200 --> 00:29:23,020  
primetime national and watched by a huge

703  
00:29:28,770 --> 00:29:25,210  
number of people so it's great exposure

704  
00:29:32,670 --> 00:29:28,780  
for your crackpot ideas are way too oh

705  
00:29:34,620 --> 00:29:32,680  
yeah so after appearing on the project

706  
00:29:36,390 --> 00:29:34,630  
again last wednesday and if you want to

707  
00:29:38,520 --> 00:29:36,400  
see this video you can look at my blog

708  
00:29:41,040 --> 00:29:38,530  
at the end of this segment to talk about

709  
00:29:43,080 --> 00:29:41,050  
Melanie's marvelous measles I was

710  
00:29:45,150 --> 00:29:43,090  
pleasantly surprised to see a thread on

711  
00:29:48,600 --> 00:29:45,160  
the project's facebook page addressing

712  
00:29:50,610 --> 00:29:48,610  
precisely the issue of false balance now

713  
00:29:52,980 --> 00:29:50,620

a commentator left this comment which

714

00:29:54,930 --> 00:29:52,990

said I'm normally a huge fan of this

715

00:29:57,180 --> 00:29:54,940

show but I was totally disgusted at the

716

00:29:58,950 --> 00:29:57,190

interview reviewing the measles book the

717

00:30:01,050 --> 00:29:58,960

project responded less than half an hour

718

00:30:02,610 --> 00:30:01,060

later are saying we decided that

719

00:30:04,500 --> 00:30:02,620

speaking to someone who actually has

720

00:30:07,500 --> 00:30:04,510

medical training and understands disease

721

00:30:10,290 --> 00:30:07,510

was the way to go the commenter then

722

00:30:12,120 --> 00:30:10,300

says so why didn't you and lists a bunch

723

00:30:14,820 --> 00:30:12,130

of doctors who they claim would have

724

00:30:17,280 --> 00:30:14,830

been more suitable than myself including

725

00:30:19,380 --> 00:30:17,290

dr. Archie Carly Karina's who passed

726

00:30:22,020 --> 00:30:19,390

away last year so I'm not quite sure how

727

00:30:23,910 --> 00:30:22,030

he could have been on the show sometimes

728

00:30:26,010 --> 00:30:23,920

it pays to read what you copy from whale

729

00:30:28,920 --> 00:30:26,020

to you before you paste it into a public

730

00:30:31,200 --> 00:30:28,930

forum the project then responded by

731

00:30:33,540 --> 00:30:31,210

saying anti-vaccination is a fringe

732

00:30:35,640 --> 00:30:33,550

opinion for every five doctors who

733

00:30:38,100 --> 00:30:35,650

oppose vaccinations that there are 95

734

00:30:40,100 --> 00:30:38,110

who support it we are not obliged to

735

00:30:42,600 --> 00:30:40,110

provide equal time and space to

736

00:30:44,430 --> 00:30:42,610

unscientific and dangerous viewpoints

737

00:30:44,770 --> 00:30:44,440

and if you want to find that thread

738

00:30:48,490 --> 00:30:44,780

there's

739

00:30:50,380 --> 00:30:48,500

link on my blog after all the work we've

740

00:30:52,420 --> 00:30:50,390

done in an effort to educate the media

741

00:30:54,880 --> 00:30:52,430

about the dangers of false balance in

742

00:30:57,460 --> 00:30:54,890

vaccination and medical stories perhaps

743

00:30:59,200 --> 00:30:57,470

it is finally paying off of course you

744

00:31:01,300 --> 00:30:59,210

will still find incidences of false

745

00:31:03,360 --> 00:31:01,310

balance in the Australian media but I

746

00:31:05,440 --> 00:31:03,370

like to think that it is improving and

747

00:31:07,030 --> 00:31:05,450

given the latest research it's

748

00:31:09,100 --> 00:31:07,040

especially encouraging to see a

749

00:31:11,680 --> 00:31:09,110

prime-time mainstream commercial

750

00:31:14,350 --> 00:31:11,690

television show take a responsible

751  
00:31:15,880 --> 00:31:14,360  
Health stance congratulations to the

752  
00:31:19,780 --> 00:31:15,890  
project and i'll certainly comeback on

753  
00:31:21,820 --> 00:31:19,790  
any time you want editing included so

754  
00:31:23,980 --> 00:31:21,830  
you can find this blog post on the

755  
00:31:27,040 --> 00:31:23,990  
official blog of the skeptic zone at

756  
00:31:36,440 --> 00:31:27,050  
skeptics book calm and until next time

757  
00:31:44,669 --> 00:31:40,320  
in a world where the truth is a matter

758  
00:31:44,679 --> 00:31:52,560  
your messages are a scene for beyond the

759  
00:31:58,590 --> 00:31:55,860  
and reason is sidelined for magical

760  
00:31:58,600 --> 00:32:04,190  
only three men stand between the truth

761  
00:32:09,659 --> 00:32:07,950  
what date is it 787 thing this is

762  
00:32:11,310 --> 00:32:09,669  
impressive it's a detail system present

763  
00:32:15,180 --> 00:32:11,320

they're not their photographs of Chinese

764

00:32:16,409 --> 00:32:15,190

anthem we are not well-received cuz good

765

00:32:18,090 --> 00:32:16,419

God we're fully don't discuss

766

00:32:19,980 --> 00:32:18,100

cryptozoology on the show very often

767

00:32:22,440 --> 00:32:19,990

because we don't know anything about how

768

00:32:24,150 --> 00:32:22,450

the truth the price gets lower and lower

769

00:32:28,770 --> 00:32:24,160

and lower and then he hits a ceiling

770

00:32:30,659 --> 00:32:28,780

it's a ceiling for the ruminal skeptic

771

00:32:37,430 --> 00:32:30,669

to the cave and mooses has gifted society

772

00:32:45,310 --> 00:32:42,120

here's main art spooky action at a

773

00:32:50,390 --> 00:32:48,020

well last time I spoke to this guy it

774

00:32:52,399 --> 00:32:50,400

was a convention in Sydney and we're in

775

00:32:53,840 --> 00:32:52,409

the Masonic Hall and it wasn't a Masonic

776

00:32:55,520 --> 00:32:53,850

convention it was actually a skeptics

777

00:32:57,980 --> 00:32:55,530

convention in Sydney but right now I

778

00:32:59,360 --> 00:32:57,990

mean in biggin books which I only

779

00:33:01,340 --> 00:32:59,370

recently found out is named after the

780

00:33:03,380 --> 00:33:01,350

simpsons episode i did not even know it

781

00:33:05,960 --> 00:33:03,390

was a made up word so who are you and

782

00:33:08,480 --> 00:33:05,970

why are you filling in my mind my name

783

00:33:10,520 --> 00:33:08,490

is Warren Burnett and I just dim tempted

784

00:33:13,190 --> 00:33:10,530

to fall with your mind I guess in biggin

785

00:33:15,680 --> 00:33:13,200

was first actually coined in the 1800's

786

00:33:17,360 --> 00:33:15,690

by the way yeah and the simpsons just

787

00:33:19,820 --> 00:33:17,370

ripped something off from i don't think

788

00:33:22,070 --> 00:33:19,830

they knew it's a pretty kind reference

789

00:33:25,250 --> 00:33:22,080

it only appeared the once and it was in

790

00:33:27,350 --> 00:33:25,260

a like a gentleman's miscellany and i

791

00:33:31,700 --> 00:33:27,360

was referring to I think the growing

792

00:33:33,620 --> 00:33:31,710

trends of hobbyists in in in the UK and

793

00:33:36,140 --> 00:33:33,630

this is so did originally mean to make

794

00:33:37,850 --> 00:33:36,150

larger yeah yeah that's right that's

795

00:33:40,490 --> 00:33:37,860

yeah but it only occurred the once but

796

00:33:43,730 --> 00:33:40,500

since then the the Simpsons did it and

797

00:33:47,060 --> 00:33:43,740

we saw it in a string theory paper so

798

00:33:49,370 --> 00:33:47,070

yeah and of course this is a bookshop

799

00:33:52,130 --> 00:33:49,380

for the thinker which means I don't even

800

00:33:53,930 --> 00:33:52,140

know why you're still open that's good

801  
00:33:56,000 --> 00:33:53,940  
point good point I mean it's looking a

802  
00:33:58,010 --> 00:33:56,010  
lot of people going on hey I've got to

803  
00:34:00,200 --> 00:33:58,020  
get to some philosophy right now before

804  
00:34:02,690 --> 00:34:00,210  
I go watch the vinyl of the voice that's

805  
00:34:04,159 --> 00:34:02,700  
right and we're here just for them well

806  
00:34:06,049 --> 00:34:04,169  
we're near the wheeler centre which is

807  
00:34:08,720 --> 00:34:06,059  
the Melbourne Center for writing

808  
00:34:11,089 --> 00:34:08,730  
literature and ideas and that was a

809  
00:34:14,540 --> 00:34:11,099  
pretty intentional move on our behalf to

810  
00:34:15,980 --> 00:34:14,550  
be near a hub for that already and and

811  
00:34:17,419 --> 00:34:15,990  
just focus a little bit more on the

812  
00:34:19,790 --> 00:34:17,429  
sciences because they focus on

813  
00:34:21,560 --> 00:34:19,800

literature and humanities we have a

814

00:34:23,599 --> 00:34:21,570

strong science been obviously so we

815

00:34:25,849 --> 00:34:23,609

wanted to sort of add that kind of

816

00:34:27,710 --> 00:34:25,859

balance and it's been working reasonably

817

00:34:29,450 --> 00:34:27,720

well it was let me look times are tough

818

00:34:32,060 --> 00:34:29,460

with a bookshop like when you got people

819

00:34:34,129 --> 00:34:32,070

like coals or came out that can buy the

820

00:34:35,480 --> 00:34:34,139

book cheaper and post it to you for what

821

00:34:38,089 --> 00:34:35,490

you can listen you put on the shelf

822

00:34:40,399 --> 00:34:38,099

that's tough competition yeah the the

823

00:34:42,980 --> 00:34:40,409

big ones are always a problem but we

824

00:34:46,220 --> 00:34:42,990

mostly don't overlap in the subjects

825

00:34:50,240 --> 00:34:46,230

we're carrying so most of the book shops

826  
00:34:51,919 --> 00:34:50,250  
don't stop our best sellers okay so now

827  
00:34:54,230 --> 00:34:51,929  
that actually what goes wild and crazy

828  
00:34:57,230 --> 00:34:54,240  
here I mean what's the harry potter of

829  
00:34:58,880 --> 00:34:57,240  
your bookshop well when we were talking

830  
00:35:02,150 --> 00:34:58,890  
about earlier demon haunted world carl

831  
00:35:04,849 --> 00:35:02,160  
sagan the other one tops at the moment

832  
00:35:06,800 --> 00:35:04,859  
would be thinking fast and slow by

833  
00:35:09,950 --> 00:35:06,810  
daniel kahneman that you selected

834  
00:35:12,140 --> 00:35:09,960  
earlier in fact i use it that for we had

835  
00:35:14,359 --> 00:35:12,150  
the incredible Randy who was just he was

836  
00:35:16,070 --> 00:35:14,369  
like kind of know he was the amazing i

837  
00:35:18,170 --> 00:35:16,080  
would say he should use that in exact

838  
00:35:20,000 --> 00:35:18,180

amazing he's incredible and amazing and

839

00:35:21,950 --> 00:35:20,010

they actually did a magic trick for like

840

00:35:24,140 --> 00:35:21,960

three or four people and used me as the

841

00:35:25,340 --> 00:35:24,150

foil and we're buggered if we could know

842

00:35:26,840 --> 00:35:25,350

how he did it which i think is what the

843

00:35:29,270 --> 00:35:26,850

magic trips all about isn't it really it

844

00:35:31,460 --> 00:35:29,280

is he's very very good yeah i guess

845

00:35:32,810 --> 00:35:31,470

happy pick a book off the shelf and you

846

00:35:34,520 --> 00:35:32,820

knew the word in the sentence that i

847

00:35:37,550 --> 00:35:34,530

picked and as far as i know i picked

848

00:35:39,380 --> 00:35:37,560

that book freely and at random yep yeah

849

00:35:41,990 --> 00:35:39,390

so that can only confirm that he's a

850

00:35:43,250 --> 00:35:42,000

member of the Illuminati without a doubt

851

00:35:45,940 --> 00:35:43,260

well it's obvious really isn't it

852

00:35:48,320 --> 00:35:45,950

obvious actually you have got some great

853

00:35:49,670 --> 00:35:48,330

books about anomalies and conspiracies

854

00:35:52,580 --> 00:35:49,680

in here as well which i will be checking

855

00:35:55,370 --> 00:35:52,590

out before i leave yes we do probably

856

00:35:58,359 --> 00:35:55,380

the best one on those is the rana vich

857

00:36:01,820 --> 00:35:58,369

book of voodoo histories which i highly

858

00:36:05,450 --> 00:36:01,830

recommend to almost anyone to read it's

859

00:36:07,070 --> 00:36:05,460

just it demonstrates to you very clearly

860

00:36:09,890 --> 00:36:07,080

that conspiracy theories are not

861

00:36:11,630 --> 00:36:09,900

harmless and what is the strangest

862

00:36:13,790 --> 00:36:11,640

moment you have you because this would

863

00:36:16,310 --> 00:36:13,800

be a place where alternative thinkers

864

00:36:18,440 --> 00:36:16,320

would be drawn to and of all kinds and

865

00:36:20,180 --> 00:36:18,450

have you had any moments here we go look

866

00:36:21,560 --> 00:36:20,190

good i just have a book that sells

867

00:36:23,200 --> 00:36:21,570

romance novels i'm going to shop that

868

00:36:27,290 --> 00:36:23,210

just sells romance novels or something

869

00:36:30,050 --> 00:36:27,300

we do probably the weirdest there is a

870

00:36:32,840 --> 00:36:30,060

guy by the name of UFO Bob who came in

871

00:36:34,730 --> 00:36:32,850

and defied his name already yeah wearing

872

00:36:36,770 --> 00:36:34,740

a silver hat saying that he read all of

873

00:36:38,330 --> 00:36:36,780

the books on our shelves as soon as he

874

00:36:41,359 --> 00:36:38,340

walked in the door and do we have any

875

00:36:44,330 --> 00:36:41,369

cameras because CIA keeps an eye on him

876

00:36:45,530 --> 00:36:44,340

after the abduction right well he must

877

00:36:47,210 --> 00:36:45,540

be having a hard time because just about

878

00:36:48,950 --> 00:36:47,220

everybody now carries a camera around

879

00:36:51,410 --> 00:36:48,960

with them and a device that could be

880

00:36:54,349 --> 00:36:51,420

hacked into so that could be recorded 24

881

00:36:56,599 --> 00:36:54,359

7 if someone really wanted to that may

882

00:36:57,470 --> 00:36:56,609

account for his jitters you know it was

883

00:36:59,930 --> 00:36:57,480

making a bit

884

00:37:02,090 --> 00:36:59,940

because what what information did UFO

885

00:37:04,599 --> 00:37:02,100

Bob have that was of international

886

00:37:06,710 --> 00:37:04,609

importance for the CIA to want you

887

00:37:10,520 --> 00:37:06,720

didn't really say I think it was

888

00:37:13,010 --> 00:37:10,530

probably more his special gift of being

889

00:37:15,740 --> 00:37:13,020

able to see and understand and scan

890

00:37:17,690 --> 00:37:15,750

anything whatsoever in the split second

891

00:37:19,430 --> 00:37:17,700

and just get to the heart of it so he's

892

00:37:21,290 --> 00:37:19,440

a security risk in that respect no

893

00:37:22,700 --> 00:37:21,300

emotion oh that's pretty impressive I

894

00:37:25,310 --> 00:37:22,710

mean there are real things like trapwire

895

00:37:27,980 --> 00:37:25,320

to be concerned about that maybe he

896

00:37:29,690 --> 00:37:27,990

should concentrate on that true maybe I

897

00:37:31,550 --> 00:37:29,700

think you should get contact with Julian

898

00:37:33,920 --> 00:37:31,560

Assange and get together and form a

899

00:37:35,720 --> 00:37:33,930

little and a hacker group of some kind I

900

00:37:41,260 --> 00:37:35,730

can see the press conference now John

901  
00:37:45,500 --> 00:37:41,270  
Asajj look to bolster my my cause for a

902  
00:37:47,660 --> 00:37:45,510  
UFO Bob we really believe in one key

903  
00:37:50,750 --> 00:37:47,670  
aspect of the shop and that is that we

904  
00:37:54,620 --> 00:37:50,760  
need more cultural spaces on the street

905  
00:37:57,260 --> 00:37:54,630  
that are not necessarily dedicated

906  
00:37:58,880 --> 00:37:57,270  
towards sort of either hedonism or under

907  
00:38:03,920 --> 00:37:58,890  
inner or in just straight-out

908  
00:38:06,200 --> 00:38:03,930  
pleasure-seeking or silly stuff so at

909  
00:38:07,609 --> 00:38:06,210  
the moment most book shops don't really

910  
00:38:10,099 --> 00:38:07,619  
even have much of a science section

911  
00:38:11,599 --> 00:38:10,109  
there aren't many that people can find

912  
00:38:12,800 --> 00:38:11,609  
because they're actually harder to find

913  
00:38:14,540 --> 00:38:12,810

now because they're having to find

914

00:38:16,220 --> 00:38:14,550

smaller and smaller spaces because of

915

00:38:17,810 --> 00:38:16,230

the increasing in rent and that's

916

00:38:19,730 --> 00:38:17,820

actually the big problem in Australia

917

00:38:21,890 --> 00:38:19,740

for bookshops it's not overseas or

918

00:38:25,010 --> 00:38:21,900

anything like that rents a huge problem

919

00:38:28,190 --> 00:38:25,020

we over out rent anyone in this this

920

00:38:30,440 --> 00:38:28,200

little planet of ours um and just as a

921

00:38:32,870 --> 00:38:30,450

point for skeptics listening everyone's

922

00:38:35,240 --> 00:38:32,880

supports but what they see to be their

923

00:38:36,560 --> 00:38:35,250

version of reason and science but you're

924

00:38:39,109 --> 00:38:36,570

actually putting your money where your

925

00:38:40,790 --> 00:38:39,119

mouth and your livelihood is it matters

926

00:38:43,490 --> 00:38:40,800

to us we didn't want to be just having

927

00:38:45,770 --> 00:38:43,500

those dinner conversations and and going

928

00:38:47,510 --> 00:38:45,780

in and have a great dinner conversation

929

00:38:50,870 --> 00:38:47,520

with people then everyone agrees and

930

00:38:52,340 --> 00:38:50,880

then nothing happens we you know we've

931

00:38:56,420 --> 00:38:52,350

got a little girl she's three years old

932

00:38:59,090 --> 00:38:56,430

and we intensely committed to him to try

933

00:39:01,340 --> 00:38:59,100

and give her a sort of an immediate

934

00:39:02,760 --> 00:39:01,350

cultural environment which is a positive

935

00:39:05,820 --> 00:39:02,770

benefit too

936

00:39:06,930 --> 00:39:05,830

so yeah we're not neither vs scientists

937

00:39:09,240 --> 00:39:06,940

or research scientist or anything like

938

00:39:11,940 --> 00:39:09,250

that week we can't do that sort of work

939

00:39:14,700 --> 00:39:11,950

but this is something we can do and I

940

00:39:17,370 --> 00:39:14,710

think it's necessary and now when we

941

00:39:19,140 --> 00:39:17,380

talk to do musicians we ask them what

942

00:39:21,210 --> 00:39:19,150

their favorite song is and that kind of

943

00:39:22,920 --> 00:39:21,220

thing but what's your favorite section

944

00:39:24,420 --> 00:39:22,930

of the bookshop what's the one where

945

00:39:25,890 --> 00:39:24,430

even when you're walking past on a busy

946

00:39:28,410 --> 00:39:25,900

day you might have a quick look and go

947

00:39:32,120 --> 00:39:28,420

I'll just have a rate of this bit it

948

00:39:36,510 --> 00:39:32,130

would be the brain sciences and because

949

00:39:39,450 --> 00:39:36,520

it's the easiest way for me to be able

950

00:39:42,060 --> 00:39:39,460

to have the discussion with someone

951  
00:39:43,590 --> 00:39:42,070  
about science that is an interested in

952  
00:39:45,780 --> 00:39:43,600  
science because everyone's got a brain

953  
00:39:47,490 --> 00:39:45,790  
they're interested in themselves so it's

954  
00:39:51,180 --> 00:39:47,500  
not a self-help section but we have

955  
00:39:53,280 --> 00:39:51,190  
books on how the brain works how we can

956  
00:39:56,250 --> 00:39:53,290  
not see things how we use confirmation

957  
00:39:59,760 --> 00:39:56,260  
bias how our group dynamics work based

958  
00:40:02,760 --> 00:39:59,770  
upon our individual biology and I find

959  
00:40:04,470 --> 00:40:02,770  
that that's just one of the best but it

960  
00:40:06,780 --> 00:40:04,480  
just gives me a sense of strength when

961  
00:40:08,730 --> 00:40:06,790  
I'm going in to bat for the team of

962  
00:40:10,290 --> 00:40:08,740  
science and reason you can go read this

963  
00:40:12,480 --> 00:40:10,300

book by Robert Burton it's good i'm

964

00:40:14,880 --> 00:40:12,490

being certain it's it's brit or read

965

00:40:16,590 --> 00:40:14,890

this one by daniel kahneman on thinking

966

00:40:18,870 --> 00:40:16,600

fasteners locust it is really one of the

967

00:40:20,640 --> 00:40:18,880

best books of the past 10 years now I

968

00:40:22,440 --> 00:40:20,650

had a discussion earlier and I probably

969

00:40:24,600 --> 00:40:22,450

disappointed you in that you recommended

970

00:40:27,870 --> 00:40:24,610

demon haunted world to me Carl Sagan

971

00:40:31,050 --> 00:40:27,880

after after the Sydney conference and I

972

00:40:32,400 --> 00:40:31,060

I read it the ideas are solid I can't

973

00:40:35,640 --> 00:40:32,410

argue with near the arguments of course

974

00:40:37,860 --> 00:40:35,650

and the books great but i found it a bit

975

00:40:39,870 --> 00:40:37,870

dry and i found the book very hard-going

976

00:40:41,220 --> 00:40:39,880

now am i the only person that's ever

977

00:40:43,680 --> 00:40:41,230

said I've had a trouble with the writing

978

00:40:46,740 --> 00:40:43,690

of Carl Sagan as far as you know oh no

979

00:40:48,660 --> 00:40:46,750

no we do get em people that don't like

980

00:40:49,440 --> 00:40:48,670

him at all the current can't standing in

981

00:40:51,810 --> 00:40:49,450

fact

982

00:40:53,160 --> 00:40:51,820

that say they have a site that's usually

983

00:40:54,630 --> 00:40:53,170

a fairly strong indication that they

984

00:40:57,780 --> 00:40:54,640

don't have the science bent that they

985

00:40:59,730 --> 00:40:57,790

actually proclaimed to have but you know

986

00:41:02,130 --> 00:40:59,740

there are many different books like

987

00:41:04,020 --> 00:41:02,140

there's a big hoo-ha in the skeptic

988

00:41:06,030 --> 00:41:04,030

community at the moment about how you

989

00:41:07,589 --> 00:41:06,040

communicate don't communicate with

990

00:41:09,120 --> 00:41:07,599

aggressiveness don't communicate with

991

00:41:11,579 --> 00:41:09,130

sarcasm don't communicate like this

992

00:41:13,710 --> 00:41:11,589

don't communicate well quite frankly

993

00:41:16,470 --> 00:41:13,720

nonsense has a reason there's millions

994

00:41:18,990 --> 00:41:16,480

of writers and millions of readers there

995

00:41:22,410 --> 00:41:19,000

are millions of ways to listen and and

996

00:41:23,790 --> 00:41:22,420

so there are books that might not will

997

00:41:25,920 --> 00:41:23,800

definitely work for a lot of people that

998

00:41:28,290 --> 00:41:25,930

won't work for others and so it doesn't

999

00:41:29,670 --> 00:41:28,300

surprise me there's a fantastic

1000

00:41:34,349 --> 00:41:29,680

scientist in the states by the name of

1001  
00:41:38,069 --> 00:41:34,359  
Beatrice ghulam very unusual voice but

1002  
00:41:40,079 --> 00:41:38,079  
she is astounding in getting to the

1003  
00:41:41,520 --> 00:41:40,089  
heart of she's not a Berkeley hummer is

1004  
00:41:44,069 --> 00:41:41,530  
it which is those women that don't

1005  
00:41:46,260 --> 00:41:44,079  
finish it answers they got not a

1006  
00:41:50,010 --> 00:41:46,270  
Berkeley hung up now much much much

1007  
00:41:53,190 --> 00:41:50,020  
higher pitch and slightly discordant but

1008  
00:41:57,270 --> 00:41:53,200  
she she's extraordinary she is

1009  
00:42:00,000 --> 00:41:57,280  
relentless at getting to the the actual

1010  
00:42:02,010 --> 00:42:00,010  
data and saying what you're claiming

1011  
00:42:04,710 --> 00:42:02,020  
more from your data is not what your

1012  
00:42:07,079 --> 00:42:04,720  
data results suggest or the data itself

1013  
00:42:09,660 --> 00:42:07,089

the abstract says one thing results and

1014

00:42:12,300 --> 00:42:09,670

the data say something else and her team

1015

00:42:14,250 --> 00:42:12,310

just do that or that's all they do they

1016

00:42:15,900 --> 00:42:14,260

go through those papers and how many

1017

00:42:17,550 --> 00:42:15,910

books have you got on the shelf here

1018

00:42:19,710 --> 00:42:17,560

just to give the listener the idea of

1019

00:42:23,309 --> 00:42:19,720

the size of the shop here now we're

1020

00:42:26,190 --> 00:42:23,319

getting just edging to 10,000 and that's

1021

00:42:31,010 --> 00:42:26,200

as many CDs that I have yep you guys

1022

00:42:33,550 --> 00:42:31,020

understand yet and and of that about

1023

00:42:37,330 --> 00:42:33,560

5,000 of science books

1024

00:42:39,460 --> 00:42:37,340

now what is the one book that is

1025

00:42:41,440 --> 00:42:39,470

painfully absent on your shelf what is

1026

00:42:42,910 --> 00:42:41,450

the book that hasn't been written or the

1027

00:42:44,320 --> 00:42:42,920

book you would like to have in your shop

1028

00:42:46,150 --> 00:42:44,330

that's absolutely go gee I wish we had a

1029

00:42:47,920 --> 00:42:46,160

book about X or one that dealt with a

1030

00:42:49,540 --> 00:42:47,930

certain topic is that one that you wish

1031

00:42:51,880 --> 00:42:49,550

was here that maybe hasn't even been

1032

00:42:54,100 --> 00:42:51,890

written yet there's two that immediately

1033

00:42:55,720 --> 00:42:54,110

come to mind one is an Australian

1034

00:42:59,230 --> 00:42:55,730

version of the geek men of history I

1035

00:43:04,150 --> 00:42:59,240

think that needs to be done and secondly

1036

00:43:07,570 --> 00:43:04,160

I want a better book on vaccines for the

1037

00:43:09,550 --> 00:43:07,580

general public I want it to be one of

1038

00:43:11,260 --> 00:43:09,560

them that's less scientific you mean I'd

1039

00:43:13,960 --> 00:43:11,270

like like like one that's basically

1040

00:43:15,790 --> 00:43:13,970

using more normal tova than what your

1041

00:43:17,140 --> 00:43:15,800

terminology that's easy to understand is

1042

00:43:18,880 --> 00:43:17,150

that what you mean more can sear more

1043

00:43:21,910 --> 00:43:18,890

consumer-friendly you know that most of

1044

00:43:25,510 --> 00:43:21,920

the ones that we have that are of good

1045

00:43:28,510 --> 00:43:25,520

value also employ a few scare tactics

1046

00:43:30,070 --> 00:43:28,520

and I don't like those in that that they

1047

00:43:31,870 --> 00:43:30,080

can be useful but they're mostly useful

1048

00:43:35,440 --> 00:43:31,880

for people who already agree with the

1049

00:43:37,450 --> 00:43:35,450

subject matter the ones that we really

1050

00:43:39,100 --> 00:43:37,460

need are the ones with the nice family

1051  
00:43:40,900 --> 00:43:39,110  
planning type images on the front with

1052  
00:43:43,620 --> 00:43:40,910  
the doctors and the nurses and that

1053  
00:43:48,100 --> 00:43:43,630  
looks all nice and happy and carefree

1054  
00:43:49,810 --> 00:43:48,110  
but with really unthreatening language

1055  
00:43:51,670 --> 00:43:49,820  
in in the middle because the people who

1056  
00:43:54,490 --> 00:43:51,680  
are getting this information like myself

1057  
00:43:56,650 --> 00:43:54,500  
and my partner Kirsty who run the shop

1058  
00:43:59,380 --> 00:43:56,660  
you know when we were vaccinating our

1059  
00:44:01,450 --> 00:43:59,390  
daughter and it hurts them and they cry

1060  
00:44:04,990 --> 00:44:01,460  
their heads off and you as a parent you

1061  
00:44:08,170 --> 00:44:05,000  
sort of hate doing that to them so you

1062  
00:44:10,210 --> 00:44:08,180  
that there are parents out there who get

1063  
00:44:12,550 --> 00:44:10,220

a lot of anxiety over doing that and we

1064

00:44:14,200 --> 00:44:12,560

want to deal with those they need to be

1065

00:44:18,370 --> 00:44:14,210

communicated to I think in a fairly

1066

00:44:20,860 --> 00:44:18,380

softly softly way no you or two ago I

1067

00:44:23,440 --> 00:44:20,870

approached a publisher's agent and I

1068

00:44:26,200 --> 00:44:23,450

pitched to them an idea to do a history

1069

00:44:28,720 --> 00:44:26,210

an electronic book cd-rom or whatever

1070

00:44:30,100 --> 00:44:28,730

that would be history of the dance

1071

00:44:31,510 --> 00:44:30,110

parties that went on at the Horde in

1072

00:44:33,850 --> 00:44:31,520

davillon in the late 80s Early 90s

1073

00:44:35,650 --> 00:44:33,860

photographs lot make it a big coffee

1074

00:44:37,360 --> 00:44:35,660

table book make it a history of

1075

00:44:38,740 --> 00:44:37,370

something at the moment is only an oral

1076

00:44:40,690 --> 00:44:38,750

history there is there's other stuff

1077

00:44:42,610 --> 00:44:40,700

around but it's scattered and she just

1078

00:44:44,740 --> 00:44:42,620

said that no one would buy that book and

1079

00:44:47,080 --> 00:44:44,750

the market is very limited in in perhaps

1080

00:44:48,820 --> 00:44:47,090

I could turn it into a fiction book with

1081

00:44:51,100 --> 00:44:48,830

the fable at the end that showed that

1082

00:44:53,350 --> 00:44:51,110

all that drug taking in fun had had a

1083

00:44:55,900 --> 00:44:53,360

had a sort of a karmic recourse on the

1084

00:44:57,970 --> 00:44:55,910

person involved and she said could you

1085

00:45:00,910 --> 00:44:57,980

take the sex and drugs out of it and I

1086

00:45:02,860 --> 00:45:00,920

thought well I'll know why people went

1087

00:45:05,110 --> 00:45:02,870

there number one was not the music and

1088

00:45:08,410 --> 00:45:05,120

that that yeah that made me think that

1089

00:45:09,730 --> 00:45:08,420

you know that level of sort of economic

1090

00:45:11,710 --> 00:45:09,740

censorship to a certain extent do you

1091

00:45:13,840 --> 00:45:11,720

think anyone would want a book of such a

1092

00:45:15,670 --> 00:45:13,850

limited history do you think there would

1093

00:45:17,140 --> 00:45:15,680

be any market for that as someone who

1094

00:45:18,670 --> 00:45:17,150

actually sells books I mean you know is

1095

00:45:20,230 --> 00:45:18,680

that the kind of history in Australia

1096

00:45:22,450 --> 00:45:20,240

anymore anyone even wants covered to

1097

00:45:26,200 --> 00:45:22,460

that degree I'd talk to Melbourne books

1098

00:45:28,840 --> 00:45:26,210

and David at Melbourne books they do

1099

00:45:30,820 --> 00:45:28,850

books precisely like that yeah that's

1100

00:45:32,860 --> 00:45:30,830

why I talked to on that but there will

1101

00:45:34,960 --> 00:45:32,870

be smaller publishers publishers with

1102

00:45:37,720 --> 00:45:34,970

their fingers in the community as

1103

00:45:40,600 --> 00:45:37,730

opposed to the big ones who have stumps

1104

00:45:42,250 --> 00:45:40,610

in the community so yeah definitely am

1105

00:45:43,690 --> 00:45:42,260

melbourne books is the first when it

1106

00:45:46,080 --> 00:45:43,700

comes to mind because I've done similar

1107

00:45:48,100 --> 00:45:46,090

things what do you like with them

1108

00:45:49,720 --> 00:45:48,110

authors that come in here doing book

1109

00:45:52,900 --> 00:45:49,730

signings and their egos it's a little

1110

00:45:54,910 --> 00:45:52,910

bit like rock-star sometimes as it can

1111

00:45:57,460 --> 00:45:54,920

be but it usually isn't most authors are

1112

00:45:59,380 --> 00:45:57,470

intensely humble and look long may you

1113

00:46:00,820 --> 00:45:59,390

reign here now for people who want to

1114

00:46:02,730 --> 00:46:00,830

visit you online and see what you got

1115

00:46:04,780 --> 00:46:02,740

available where can we find you we're at

1116

00:46:06,610 --> 00:46:04,790

197 to two or three little lonsdale

1117

00:46:07,920 --> 00:46:06,620

street and we're right next to the state

1118

00:46:09,599 --> 00:46:07,930

library or about halfway between

1119

00:46:11,609 --> 00:46:09,609

swanston and Russell's

1120

00:46:13,140 --> 00:46:11,619

and your website the work we find you

1121

00:46:14,700 --> 00:46:13,150

online where you have friendly service

1122

00:46:15,960 --> 00:46:14,710

I've dropped you a line there you got

1123

00:46:18,900 --> 00:46:15,970

right back to me and on Twitter as well

1124

00:46:23,069 --> 00:46:18,910

you don't muck about some time I do get

1125

00:46:28,259 --> 00:46:23,079

behind sometimes but yeah owww beggin

1126

00:46:29,759 --> 00:46:28,269

books com of course it's day two here

1127

00:46:31,140 --> 00:46:29,769

and we're almost into the morning tea

1128

00:46:33,599 --> 00:46:31,150

break but I think it's a good chance to

1129

00:46:35,489 --> 00:46:33,609

have a stop by the ambiguous or and see

1130

00:46:37,710 --> 00:46:35,499

what's really been moving what has been

1131

00:46:39,749 --> 00:46:37,720

the favourite book this time around flim

1132

00:46:41,670 --> 00:46:39,759

plan of cool well I would have thought

1133

00:46:43,890 --> 00:46:41,680

Randy fans here will already have that

1134

00:46:45,440 --> 00:46:43,900

and what was this still a few that don't

1135

00:46:47,819 --> 00:46:45,450

and there were actually some people who

1136

00:46:50,640 --> 00:46:47,829

do have his book but wanted to get it

1137

00:46:51,989 --> 00:46:50,650

signed so and has it been a rush for any

1138

00:46:53,460 --> 00:46:51,999

book you haven't gone there's anyone

1139

00:46:56,279 --> 00:46:53,470

been looking for return to the Stars

1140

00:46:58,140 --> 00:46:56,289

erich von daniken for example no no they

1141

00:47:00,210 --> 00:46:58,150

they have we have had a few questions

1142

00:47:02,279 --> 00:47:00,220

asked about some books for kids but

1143

00:47:04,259 --> 00:47:02,289

that's it I've got the really really big

1144

00:47:05,729 --> 00:47:04,269

questions book here for kids the one

1145

00:47:07,170 --> 00:47:05,739

I've got about life the universe and

1146

00:47:09,200 --> 00:47:07,180

everything and the one about religions

1147

00:47:11,670 --> 00:47:09,210

it's been good feedback about that book

1148

00:47:13,259 --> 00:47:11,680

well not from the people here but we get

1149

00:47:16,019 --> 00:47:13,269

a lot of feedback from that through the

1150

00:47:17,519 --> 00:47:16,029

shop it's it's a very good book now what

1151  
00:47:19,079 --> 00:47:17,529  
about the controversial demon haunted

1152  
00:47:20,670 --> 00:47:19,089  
world that i found a little bit dry

1153  
00:47:22,559 --> 00:47:20,680  
which you recommended for me but I've

1154  
00:47:25,769 --> 00:47:22,569  
got to say i'm glad i read it has that

1155  
00:47:28,349 --> 00:47:25,779  
been moving that always goes well always

1156  
00:47:31,499 --> 00:47:28,359  
and is there been a surprise seller this

1157  
00:47:33,079 --> 00:47:31,509  
time around no big surprises i guess

1158  
00:47:36,569 --> 00:47:33,089  
we're moving a few more the flying

1159  
00:47:39,299 --> 00:47:36,579  
spaghetti monster them than we expected

1160  
00:47:40,650 --> 00:47:39,309  
so the flying spaghetti monster within

1161  
00:47:43,979 --> 00:47:40,660  
the breakout favorite this time around

1162  
00:47:46,470 --> 00:47:43,989  
possibly end bad farmer ipad farmer yes

1163  
00:47:48,089 --> 00:47:46,480

actually i will hope to see Ben Goldacre

1164

00:47:51,089 --> 00:47:48,099

once because after reading the book i

1165

00:47:52,859 --> 00:47:51,099

want to see him perform that he would be

1166

00:47:54,660 --> 00:47:52,869

very good out here i'd like to see him

1167

00:47:56,670 --> 00:47:54,670

come out a lot more often than he does

1168

00:47:59,069 --> 00:47:56,680

now we have had a couple of people come

1169

00:48:01,470 --> 00:47:59,079

up with to show us how they're using

1170

00:48:02,609 --> 00:48:01,480

Kindles just to show us that hey I've

1171

00:48:05,460 --> 00:48:02,619

got this book on the kindle isn't it

1172

00:48:25,290 --> 00:48:05,470

great no you must go yeah that's really

1173

00:48:30,460 --> 00:48:28,330

this is desiree shell hosted skeptically

1174

00:48:32,950 --> 00:48:30,470

speaking check out our website at

1175

00:48:36,820 --> 00:48:32,960

skeptically speaking calm and listen to

1176

00:48:40,600 --> 00:48:36,830

us live on CJ sr 88.5 FM in Edmonton

1177

00:48:52,680 --> 00:48:40,610

Alberta Canada I now return you to the

1178

00:48:57,130 --> 00:48:55,600

richard another fantastic show you know

1179

00:49:00,310 --> 00:48:57,140

I like doing the skeptic zone when we

1180

00:49:02,380 --> 00:49:00,320

have an audience hello audience there

1181

00:49:04,180 --> 00:49:02,390

you go and it's extra special people

1182

00:49:07,240 --> 00:49:04,190

doing intros and outros this is right to

1183

00:49:10,030 --> 00:49:07,250

be here in wacky central you've never

1184

00:49:11,380 --> 00:49:10,040

really been in the skeptics own studio

1185

00:49:15,580 --> 00:49:11,390

have us i think the term you're looking

1186

00:49:18,520 --> 00:49:15,590

for is allowed that's true anyway we

1187

00:49:20,320 --> 00:49:18,530

better get on now start working on our

1188

00:49:21,850 --> 00:49:20,330

secret project all the people here for

1189

00:49:24,700 --> 00:49:21,860

that I've got a secret project to

1190

00:49:26,560 --> 00:49:24,710

announce two more you know when we did

1191

00:49:28,150 --> 00:49:26,570

tan Las Vegas and all the listings was

1192

00:49:29,650 --> 00:49:28,160

so good to put in to have me come over

1193

00:49:31,570 --> 00:49:29,660

there was great yeah yeah yeahs had a

1194

00:49:33,760 --> 00:49:31,580

great time there well as well as doing

1195

00:49:35,710 --> 00:49:33,770

the 110 interviews for the skeptic zone

1196

00:49:38,140 --> 00:49:35,720

of that 110 when I was interviewing

1197

00:49:39,880 --> 00:49:38,150

people 50 the people I asked off you'd

1198

00:49:41,230 --> 00:49:39,890

like a song what would it be most

1199

00:49:43,060 --> 00:49:41,240

skeptics completely stumped because

1200

00:49:45,790 --> 00:49:43,070

music is not something in talk about

1201

00:49:48,190 --> 00:49:45,800

much of a skeptic convention so I've got

1202

00:49:52,120 --> 00:49:48,200

two episodes coming up of the music of

1203

00:49:53,440 --> 00:49:52,130

Tam Las Vegas 2012 leaned 18 songs is in

1204

00:49:55,090 --> 00:49:53,450

part one and probably about the same

1205

00:49:57,610 --> 00:49:55,100

much in part two and one thing about

1206

00:49:59,350 --> 00:49:57,620

skeptics eclectic taste in music we've

1207

00:50:02,320 --> 00:49:59,360

got stuff with the beatles Brian Setzer

1208

00:50:04,930 --> 00:50:02,330

kiss some blue öyster cult Stevie Ray

1209

00:50:07,180 --> 00:50:04,940

Vaughan opera and a bit of music from

1210

00:50:08,500 --> 00:50:07,190

Sherlock and if you know these people

1211

00:50:10,090 --> 00:50:08,510

time they get him in the show Kerry pop

1212

00:50:11,500 --> 00:50:10,100

he's going to be on the show Aaron with

1213

00:50:14,050 --> 00:50:11,510

the Fez is going to be on the show Bob's

1214

00:50:15,730 --> 00:50:14,060

going to be on the show and lovely lady

1215

00:50:18,070 --> 00:50:15,740

from doubtful news she's also on there

1216

00:50:20,050 --> 00:50:18,080

as well Wow Sharon yes that's what

1217

00:50:22,660 --> 00:50:20,060

Lynard so that that's coming out next

1218

00:50:24,070 --> 00:50:22,670

week at Manor combo Aug no don't check

1219

00:50:25,300 --> 00:50:24,080

that out anyway don't like the songs in

1220

00:50:26,710 --> 00:50:25,310

the show you can't blame me because it's

1221

00:50:29,380 --> 00:50:26,720

at the people asking for I tell what

1222

00:50:31,630 --> 00:50:29,390

Stefan you should have been there cam to

1223

00:50:34,120 --> 00:50:31,640

see may not see main idea we saw this

1224

00:50:35,710 --> 00:50:34,130

reverb in a gold jacket what was that

1225

00:50:36,760 --> 00:50:35,720

all that was may not rushing off to a

1226

00:50:38,230 --> 00:50:36,770

different interview it was just

1227

00:50:40,690 --> 00:50:38,240

something incredible wish I'd be never

1228

00:50:42,760 --> 00:50:40,700

well of the 110 interview 50 of them had

1229

00:50:44,440 --> 00:50:42,770

the music in it and I've had to wrap

1230

00:50:46,840 --> 00:50:44,450

through four and a half hours of

1231

00:50:48,160 --> 00:50:46,850

interviews to find by the two hours for

1232

00:50:49,660 --> 00:50:48,170

the show but it's been well worth and

1233

00:50:52,690 --> 00:50:49,670

everyone said skirts like going there

1234

00:50:54,490 --> 00:50:52,700

again mmm it's like being there again I

1235

00:50:56,890 --> 00:50:54,500

should figure writing writing a new song

1236

00:50:58,780 --> 00:50:56,900

now with us because skeptic rhymes with

1237

00:51:00,020 --> 00:50:58,790

eclectic thing only that could be a good

1238

00:51:02,930 --> 00:51:00,030

song it could be

1239

00:51:05,630 --> 00:51:02,940

yeah it could be we're in a studio right

1240

00:51:07,220 --> 00:51:05,640

now so I should get we should get it out

1241

00:51:08,930 --> 00:51:07,230

my new Weaver stick to stick to the I

1242

00:51:10,610 --> 00:51:08,940

game plan here we got to get this thing

1243

00:51:13,010 --> 00:51:10,620

out really the secret project let's get

1244

00:51:14,720 --> 00:51:13,020

on without secret project folks secret

1245

00:51:17,360 --> 00:51:14,730

projects coming soon and all I can say

1246

00:51:21,380 --> 00:51:17,370

at the moment is watch this space and

1247

00:51:27,050 --> 00:51:21,390

look out for solar flares what does that

1248

00:51:31,730 --> 00:51:27,060

mean you've been listening to the

1249

00:51:35,570 --> 00:51:31,740

skeptic zone visit our website at [www](http://www)