

1  
00:00:06,019 --> 00:00:11,919  
welcome to the skeptic zone the podcast

2  
00:00:09,109 --> 00:00:22,890  
from Australia for science and reason

3  
00:00:11,919 --> 00:00:25,780  
[Music]

4  
00:00:22,890 --> 00:00:29,530  
yes it's the skeptic zone podcast

5  
00:00:25,780 --> 00:00:33,310  
episode number 519 for the 30th of

6  
00:00:29,530 --> 00:00:35,140  
September 2018 richardsaunders here with

7  
00:00:33,310 --> 00:00:38,200  
you from then we have look out the

8  
00:00:35,140 --> 00:00:42,730  
window a sunny sunny Sydney Australia

9  
00:00:38,200 --> 00:00:44,200  
although last night the small thunder

10  
00:00:42,729 --> 00:00:46,390  
lightning thunder storm came through

11  
00:00:44,200 --> 00:00:49,120  
said quite interesting these days when

12  
00:00:46,390 --> 00:00:52,448  
you hear a bit of thunder you can run to

13  
00:00:49,119 --> 00:00:54,159  
the internet and look up a map and shows

14  
00:00:52,448 --> 00:00:58,238  
you exactly where the lightning strikes

15  
00:00:54,159 --> 00:00:59,619  
are and the the circle expanding circle

16  
00:00:58,238 --> 00:01:02,189  
around the lightning strike of the

17  
00:00:59,619 --> 00:01:04,899  
thunder and you can see when the noise

18  
00:01:02,189 --> 00:01:07,679  
passes you by well by the time we've

19  
00:01:04,899 --> 00:01:10,780  
heard it actually it's passed you violet

20  
00:01:07,680 --> 00:01:12,670  
coming up on this week's show our new

21  
00:01:10,780 --> 00:01:17,368  
reporter Michelle Franklin talks about

22  
00:01:12,670 --> 00:01:20,740  
poaching not eggs poaching animals

23  
00:01:17,368 --> 00:01:24,159  
poaching endangered animals to harvest

24  
00:01:20,739 --> 00:01:26,409  
them for body parts for sudo medicine

25  
00:01:24,159 --> 00:01:28,868  
alternative medicine you've heard this

26  
00:01:26,409 --> 00:01:31,319  
sort of thing rhino horn and the bones

27  
00:01:28,868 --> 00:01:34,030  
of tigers and whatever the case may be

28  
00:01:31,319 --> 00:01:36,670  
michelle has an idea a possible idea

29

00:01:34,030 --> 00:01:39,819  
that maybe could help combat this

30  
00:01:36,670 --> 00:01:42,939  
terrible trade following that a news

31  
00:01:39,819 --> 00:01:47,049  
report in the last week about a

32  
00:01:42,939 --> 00:01:49,899  
so-called vaccination expert being used

33  
00:01:47,049 --> 00:01:51,039  
or maybe being used in a court of law

34  
00:01:49,899 --> 00:01:53,649  
I think you'll find this report

35  
00:01:51,039 --> 00:01:58,269  
interesting now some weeks ago Maynard

36  
00:01:53,649 --> 00:02:01,060  
was the host of a event to do of Science

37  
00:01:58,269 --> 00:02:03,969  
Week organized by Frankie Lee Thank You

38  
00:02:01,060 --> 00:02:05,740  
Frankie about talking to the animals or

39  
00:02:03,969 --> 00:02:07,840  
with the animals or AB the animals are

40  
00:02:05,739 --> 00:02:10,209  
learning about animals from experts and

41  
00:02:07,840 --> 00:02:12,959  
may not interview some of these animal

42  
00:02:10,209 --> 00:02:15,459  
experts this is where the science comes

43  
00:02:12,959 --> 00:02:17,709

in with the skeptic zone with the

44

00:02:15,459 --> 00:02:19,569

science and reason there's not too much

45

00:02:17,709 --> 00:02:24,280

to be skeptical about here but it is an

46

00:02:19,568 --> 00:02:25,810

interesting topic animal science then to

47

00:02:24,280 --> 00:02:27,848

round off the show it's Heidi Robertson

48

00:02:25,810 --> 00:02:30,280

the Ross skeptic with a follow-up to the

49

00:02:27,848 --> 00:02:33,759

story she presented last week about the

50

00:02:30,280 --> 00:02:37,180

vote in the Byron Shire Council when

51

00:02:33,759 --> 00:02:39,519

where she lives that didn't stop the

52

00:02:37,180 --> 00:02:42,939

anti-vaxxers hiring out council

53

00:02:39,519 --> 00:02:47,140

facilities and Heidi will read a report

54

00:02:42,938 --> 00:02:48,549

about this written by Jane Hansen but

55

00:02:47,139 --> 00:02:52,750

now it's time for me to run downstairs

56

00:02:48,549 --> 00:02:55,120

and have one of my favorite snacks said

57

00:02:52,750 --> 00:02:57,759

come around this time of the year to do

58  
00:02:55,120 --> 00:03:00,459  
with Oktoberfest they call them peanut

59  
00:02:57,759 --> 00:03:03,539  
flips well I am munch down a few peanut

60  
00:03:00,459 --> 00:03:11,360  
flips I hope you enjoy the skeptic zone

61  
00:03:03,539 --> 00:03:14,429  
[Music]

62  
00:03:11,360 --> 00:03:14,429  
[Applause]

63  
00:03:16,139 --> 00:03:19,179  
[Music]

64  
00:03:22,139 --> 00:03:43,149  
life is wild with Michelle Franklin so

65  
00:03:40,330 --> 00:03:44,890  
I'm going to be upfront here and tell

66  
00:03:43,150 --> 00:03:47,739  
you that I don't actually have an answer

67  
00:03:44,889 --> 00:03:49,869  
to this problem but I have some ideas

68  
00:03:47,739 --> 00:03:54,129  
and maybe if I share them you can build

69  
00:03:49,870 --> 00:03:54,550  
on when I say poaching what comes to

70  
00:03:54,129 --> 00:03:57,909  
mind

71  
00:03:54,550 --> 00:04:00,219  
besides eggs I get an image of a

72  
00:03:57,909 --> 00:04:02,169  
ruthless hunter stalking a rhino and

73  
00:04:00,219 --> 00:04:06,479  
then shooting it dead and removing your

74  
00:04:02,169 --> 00:04:06,479  
horns while her doomed baby watches on

75  
00:04:06,870 --> 00:04:12,550  
maybe you think of an endangered Tiger

76  
00:04:09,639 --> 00:04:14,738  
species that is killed so that its bones

77  
00:04:12,550 --> 00:04:17,109  
and eyes and various other equally

78  
00:04:14,739 --> 00:04:20,858  
useless body parts can fail to cure

79  
00:04:17,108 --> 00:04:23,379  
anything from malaria to broken arms or

80  
00:04:20,858 --> 00:04:26,949  
maybe it's the exhausted leatherback

81  
00:04:23,379 --> 00:04:29,529  
turtle who's done the enormous effort of

82  
00:04:26,949 --> 00:04:32,079  
swimming across the ocean and locating

83  
00:04:29,529 --> 00:04:34,509  
and crawling up some remote beach only

84  
00:04:32,079 --> 00:04:36,819  
to have her eggs stolen under the

85  
00:04:34,509 --> 00:04:38,800  
assumption that there's somehow going to

86

00:04:36,819 --> 00:04:41,529  
make someone feel a bit more horny

87  
00:04:38,800 --> 00:04:43,478  
honestly if that's the effect that

88  
00:04:41,529 --> 00:04:45,969  
you're going for and you want to

89  
00:04:43,478 --> 00:04:48,129  
pointlessly kill an animal to get it why

90  
00:04:45,970 --> 00:04:49,750  
not rabbit at least there's some kind of

91  
00:04:48,129 --> 00:04:52,959  
correlation there that you can pretend

92  
00:04:49,750 --> 00:04:55,680  
mean something pseudo medicinal poaching

93  
00:04:52,959 --> 00:04:58,329  
is a strange and complex practice and

94  
00:04:55,680 --> 00:05:01,060  
motivations behind it however socially

95  
00:04:58,329 --> 00:05:02,939  
complex and hard to understand basically

96  
00:05:01,060 --> 00:05:06,339  
come down to the mistaken belief that

97  
00:05:02,939 --> 00:05:08,050  
some parts of some animals have magical

98  
00:05:06,339 --> 00:05:11,739  
healing properties that just aren't

99  
00:05:08,050 --> 00:05:15,009  
there but fake medicine isn't the only

100  
00:05:11,740 --> 00:05:17,379

motivation behind poaching some people

101

00:05:15,009 --> 00:05:19,509

poach wildlife for meat or for cultural

102

00:05:17,379 --> 00:05:22,509

reasons or because they don't have any

103

00:05:19,509 --> 00:05:22,870

other options and the markets there and

104

00:05:22,509 --> 00:05:26,289

then

105

00:05:22,870 --> 00:05:28,120

the money some people want the animal

106

00:05:26,290 --> 00:05:31,000

products because it's a cultural status

107

00:05:28,120 --> 00:05:32,800

symbol and some people just want a photo

108

00:05:31,000 --> 00:05:35,050

of themselves standing over some big

109

00:05:32,800 --> 00:05:36,819

powerful dead thing so that they can

110

00:05:35,050 --> 00:05:39,759

pretend that it somehow proves how

111

00:05:36,819 --> 00:05:41,769

powerful and cool they are then of

112

00:05:39,759 --> 00:05:43,870

course there's the form of wildlife

113

00:05:41,769 --> 00:05:45,728

poaching that we see in the news from

114

00:05:43,870 --> 00:05:47,860

time to time in Australia where the



115  
00:05:45,728 --> 00:05:49,990  
motivation behind poaching is nothing to

116  
00:05:47,860 --> 00:05:51,460  
do with faulty thinking and it's just a

117  
00:05:49,990 --> 00:05:54,040  
bunch of wealthy and otherwise

118  
00:05:51,459 --> 00:05:56,259  
law-abiding people who really really

119  
00:05:54,040 --> 00:05:59,020  
like Australian animals and just want to

120  
00:05:56,259 --> 00:06:00,639  
pet Guyana or a black headed Python so

121  
00:05:59,019 --> 00:06:03,189  
what if the animals that they want are

122  
00:06:00,639 --> 00:06:05,228  
actually really easy to find and catch

123  
00:06:03,189 --> 00:06:07,600  
and people are willing to pay money for

124  
00:06:05,228 --> 00:06:10,418  
them what approach should we take if we

125  
00:06:07,600 --> 00:06:12,639  
want to protect these animals the pseudo

126  
00:06:10,418 --> 00:06:14,978  
medicinal poaching there are some fairly

127  
00:06:12,639 --> 00:06:16,269  
straightforward approaches available you

128  
00:06:14,978 --> 00:06:18,038  
can target the people who are actually

129  
00:06:16,269 --> 00:06:20,079  
doing the hunting provide them with

130  
00:06:18,038 --> 00:06:22,300  
better options easier ways to make money

131  
00:06:20,079 --> 00:06:23,800  
or you can punish them to the point

132  
00:06:22,300 --> 00:06:26,800  
where the punishment outweighs the

133  
00:06:23,800 --> 00:06:29,800  
benefits or you can focus on the people

134  
00:06:26,800 --> 00:06:31,300  
who buy the poach products educate them

135  
00:06:29,800 --> 00:06:34,720  
about the difference between powdered

136  
00:06:31,300 --> 00:06:36,490  
magic horn and actual medicine and give

137  
00:06:34,720 --> 00:06:37,720  
them access to medicine that will

138  
00:06:36,490 --> 00:06:40,329  
provide the benefits that they're

139  
00:06:37,720 --> 00:06:43,660  
looking for and by some combination of

140  
00:06:40,329 --> 00:06:45,909  
education support punishment maybe we

141  
00:06:43,660 --> 00:06:48,610  
can actually make some difference in

142  
00:06:45,910 --> 00:06:50,770  
this situation but what about our native

143

00:06:48,610 --> 00:06:53,288  
wildlife that's being poached for the

144  
00:06:50,769 --> 00:06:55,870  
pet trade the price is higher the

145  
00:06:53,288 --> 00:06:57,159  
collecting is easy and in the unlikely

146  
00:06:55,870 --> 00:06:59,848  
event that you get caught the

147  
00:06:57,160 --> 00:07:02,320  
punishments laughable so what do we do

148  
00:06:59,848 --> 00:07:04,899  
we could address the on ground poachers

149  
00:07:02,319 --> 00:07:06,430  
try to catch every person who walks

150  
00:07:04,899 --> 00:07:07,719  
through the bush carrying a camera bag

151  
00:07:06,430 --> 00:07:10,689  
and make sure they're not popping

152  
00:07:07,720 --> 00:07:12,700  
lizards in as they go we could increase

153  
00:07:10,689 --> 00:07:14,620  
the punishments give people fines that

154  
00:07:12,699 --> 00:07:16,899  
are high enough to make poaching not

155  
00:07:14,620 --> 00:07:18,579  
worth the risk we could educate the

156  
00:07:16,899 --> 00:07:20,319  
high-rolling want to be herpetologist

157  
00:07:18,579 --> 00:07:22,029

with questionable ethics and a really

158

00:07:20,319 --> 00:07:24,069

cool snake room about the terrible

159

00:07:22,029 --> 00:07:26,199

conditions that animals are kept in and

160

00:07:24,069 --> 00:07:28,959

how they get transported through customs

161

00:07:26,199 --> 00:07:30,968

and snut smuggled out of australia but

162

00:07:28,959 --> 00:07:33,310

then there'll always be another slightly

163

00:07:30,968 --> 00:07:34,519

less empathetic customer waiting in line

164

00:07:33,310 --> 00:07:36,860

to buy that one

165

00:07:34,519 --> 00:07:39,258

go or tree frog that survived the 18

166

00:07:36,860 --> 00:07:42,259

hours stuffed down some blokes undies I

167

00:07:39,259 --> 00:07:44,240

don't know what the answer is here one

168

00:07:42,259 --> 00:07:46,400

thing that I think is true across most

169

00:07:44,240 --> 00:07:48,560

industries is that if the market

170

00:07:46,399 --> 00:07:51,679

disappears then the producers will stop

171

00:07:48,560 --> 00:07:54,199

producing so the question I'm asking is

172  
00:07:51,680 --> 00:07:55,759  
can we stop wildlife poaching by

173  
00:07:54,199 --> 00:07:59,500  
destroying the market for illegal

174  
00:07:55,759 --> 00:08:02,120  
animals by flooding it with legal ones

175  
00:07:59,500 --> 00:08:04,310  
what if we made it legal and gave

176  
00:08:02,120 --> 00:08:06,560  
trained and capable people permits to

177  
00:08:04,310 --> 00:08:09,348  
take sustainable numbers of animals from

178  
00:08:06,560 --> 00:08:12,949  
the wild breed them sell them export

179  
00:08:09,348 --> 00:08:14,689  
them and then regulate the industry of

180  
00:08:12,949 --> 00:08:16,788  
course there'll be a financial value

181  
00:08:14,689 --> 00:08:18,620  
here and the profit would need to be

182  
00:08:16,788 --> 00:08:21,589  
channeled back into the system that

183  
00:08:18,620 --> 00:08:23,538  
monitors and regulates exports we could

184  
00:08:21,589 --> 00:08:25,848  
bring in strict and enforceable

185  
00:08:23,538 --> 00:08:29,000  
husbandry standards quarantine periods

186  
00:08:25,848 --> 00:08:30,379  
and animal welfare obligations effective

187  
00:08:29,000 --> 00:08:32,658  
record-keeping could reduce

188  
00:08:30,379 --> 00:08:34,278  
crossbreeding and inbreeding and help

189  
00:08:32,658 --> 00:08:37,689  
establish high quality reservoir

190  
00:08:34,278 --> 00:08:40,009  
populations with improved practices by

191  
00:08:37,690 --> 00:08:42,169  
taking the whole industry out of the

192  
00:08:40,009 --> 00:08:44,778  
black market and making it transparent

193  
00:08:42,168 --> 00:08:48,199  
and respectable and beneficial to the

194  
00:08:44,778 --> 00:08:50,269  
wildlife and if it's being managed well

195  
00:08:48,200 --> 00:08:52,520  
with regular gene flow from wild

196  
00:08:50,269 --> 00:08:54,740  
populations into the overseas captive

197  
00:08:52,519 --> 00:08:56,750  
populations may be the current

198  
00:08:54,740 --> 00:08:59,839  
populations of animals that are being

199  
00:08:56,750 --> 00:09:03,500  
inbred and in some cases poorly kept by

200

00:08:59,839 --> 00:09:05,209  
well-meaning but naive pet owners maybe

201  
00:09:03,500 --> 00:09:07,730  
they'll become healthy and genetically

202  
00:09:05,208 --> 00:09:11,088  
useful reservoirs to act as backups for

203  
00:09:07,730 --> 00:09:13,759  
our endangered animals with the option

204  
00:09:11,089 --> 00:09:15,649  
of happy healthy legal pets motivate

205  
00:09:13,759 --> 00:09:19,129  
people to buy from a registered breeder

206  
00:09:15,649 --> 00:09:22,009  
or importer and with the availability of

207  
00:09:19,129 --> 00:09:24,409  
legally exported pets bring the price

208  
00:09:22,009 --> 00:09:26,539  
down to the point where the profit made

209  
00:09:24,409 --> 00:09:29,778  
from poaching just wasn't worth the risk

210  
00:09:26,539 --> 00:09:32,328  
of being caught I don't know maybe it

211  
00:09:29,778 --> 00:09:34,070  
wouldn't maybe legalizing it would just

212  
00:09:32,328 --> 00:09:36,349  
create another avenue for people to

213  
00:09:34,070 --> 00:09:38,360  
funnel illegal wildlife into a legal

214  
00:09:36,350 --> 00:09:40,700

market where the buyer can be tricked

215

00:09:38,360 --> 00:09:43,180

into buying a poached lizard where they

216

00:09:40,700 --> 00:09:46,220

otherwise would have chosen not to and

217

00:09:43,179 --> 00:09:48,258

then what if it works and the price of a

218

00:09:46,220 --> 00:09:51,229

captive bred red-bellied black snake

219

00:09:48,259 --> 00:09:53,329

come solo that your previously valuable

220

00:09:51,229 --> 00:09:55,790

pet is now just another temporary

221

00:09:53,328 --> 00:09:58,458

novelty that you release into the wild

222

00:09:55,789 --> 00:10:00,438

when you become bored with it and then

223

00:09:58,458 --> 00:10:02,358

the Burmese pythons of the Florida

224

00:10:00,438 --> 00:10:04,338

Everglades are joined by invasive

225

00:10:02,359 --> 00:10:07,399

populations of tiger snakes and

226

00:10:04,339 --> 00:10:09,829

saltwater crocodiles there's definitely

227

00:10:07,399 --> 00:10:12,168

a downside to exotic pets and as much as

228

00:10:09,828 --> 00:10:13,998

I know I would earn everlasting brownie



229

00:10:12,168 --> 00:10:16,970

points if I was able to get my daughter

230

00:10:13,999 --> 00:10:18,798

a pet toucan I know it's not a good idea

231

00:10:16,970 --> 00:10:21,889

to let every nine-year-old who develops

232

00:10:18,798 --> 00:10:24,649

an interest by an endangered animal from

233

00:10:21,889 --> 00:10:27,229

the other side of the planet I don't

234

00:10:24,649 --> 00:10:28,970

know what the answer is here I feel like

235

00:10:27,229 --> 00:10:31,189

you to be great if we could have captive

236

00:10:28,970 --> 00:10:33,109

populations of every endangered species

237

00:10:31,188 --> 00:10:34,849

spread across the globe with thousands

238

00:10:33,109 --> 00:10:36,829

of people caring for them and breeding

239

00:10:34,850 --> 00:10:39,168

them and learning the ins and outs of

240

00:10:36,828 --> 00:10:41,118

what they need but for the most part

241

00:10:39,168 --> 00:10:43,458

professional zoos are already doing this

242

00:10:41,119 --> 00:10:45,889

is there any benefit to be had from

243  
00:10:43,458 --> 00:10:48,678  
private keepers in other countries

244  
00:10:45,889 --> 00:10:50,298  
having Australian wildlife and does

245  
00:10:48,678 --> 00:10:53,149  
there need to be is the fact that they

246  
00:10:50,298 --> 00:10:56,708  
want it enough to justify allowing them

247  
00:10:53,149 --> 00:10:58,519  
to have it in a way that minimizes harm

248  
00:10:56,708 --> 00:11:00,438  
especially since they're getting them

249  
00:10:58,519 --> 00:11:03,139  
anyway so clearly what we're doing now

250  
00:11:00,438 --> 00:11:06,438  
isn't stopping anyone how best can we

251  
00:11:03,139 --> 00:11:09,159  
minimise harm when there's a lucrative

252  
00:11:06,438 --> 00:11:12,639  
market for our wildlife some of which

253  
00:11:09,159 --> 00:11:15,409  
exists in ever diminishing populations

254  
00:11:12,639 --> 00:11:17,568  
please keep this question circulating in

255  
00:11:15,409 --> 00:11:19,278  
your mind and spare a bit of time every

256  
00:11:17,568 --> 00:11:21,678  
now and then to think over the value of

257

00:11:19,278 --> 00:11:24,288  
our wildlife and how best we can work

258  
00:11:21,678 --> 00:11:26,119  
that to their advantage to keep the wild

259  
00:11:24,288 --> 00:11:28,548  
things in the wild places where they

260  
00:11:26,119 --> 00:11:29,279  
belong and out of the wild places where

261  
00:11:28,548 --> 00:11:50,429  
they don't

262  
00:11:29,279 --> 00:11:53,169  
[Music]

263  
00:11:50,429 --> 00:11:55,299  
everybody this is Kerry poppy from oh no

264  
00:11:53,169 --> 00:11:58,240  
Ross and Carrie really excited to join

265  
00:11:55,299 --> 00:12:01,569  
you this October for the big convention

266  
00:11:58,240 --> 00:12:02,110  
I've never been to Australia I hope it's

267  
00:12:01,570 --> 00:12:04,870  
good

268  
00:12:02,110 --> 00:12:07,480  
hope it exists the flat-earthers tell me

269  
00:12:04,870 --> 00:12:10,090  
it might not but I'm gonna be giving a

270  
00:12:07,480 --> 00:12:13,840  
talk about effective outreach and

271  
00:12:10,090 --> 00:12:18,009

looking at movements from a perspective

272

00:12:13,840 --> 00:12:21,519

of how they evolve the different steps

273

00:12:18,009 --> 00:12:24,220

that they take and how you can outreach

274

00:12:21,519 --> 00:12:26,919

to different people depending on the

275

00:12:24,220 --> 00:12:29,080

stage that each movement is in is it

276

00:12:26,919 --> 00:12:32,379

still in its pseudo-science phase is it

277

00:12:29,080 --> 00:12:35,889

enough more of a spiritual phase is it

278

00:12:32,379 --> 00:12:37,689

in a paranormal phase I think that

279

00:12:35,889 --> 00:12:39,159

figuring that out really helps you

280

00:12:37,690 --> 00:12:41,590

figure out what the best way is to

281

00:12:39,159 --> 00:12:43,659

outreach to each group and each person

282

00:12:41,590 --> 00:12:46,030

in that group so I hope that sounds

283

00:12:43,659 --> 00:12:48,699

interesting to you I think it'll be

284

00:12:46,029 --> 00:12:51,970

really fun and informative I'm basing it

285

00:12:48,700 --> 00:12:54,640

on lots of years of hanging out with

286  
00:12:51,970 --> 00:12:57,730  
people with extraordinary beliefs so it

287  
00:12:54,639 --> 00:12:59,090  
will be a good idea I hope I'll see you

288  
00:12:57,730 --> 00:13:14,909  
soon bye

289  
00:12:59,090 --> 00:13:17,680  
[Music]

290  
00:13:14,909 --> 00:13:20,199  
here's a story that comes to us from the

291  
00:13:17,679 --> 00:13:22,979  
age the age comdata you links in the

292  
00:13:20,200 --> 00:13:26,550  
sweet show notes by Tyler Lewis Icahn

293  
00:13:22,980 --> 00:13:30,039  
published on the 23rd of September 2018

294  
00:13:26,549 --> 00:13:31,719  
anti-vaccination activist turns expert

295  
00:13:30,039 --> 00:13:35,709  
witness in family court

296  
00:13:31,720 --> 00:13:38,110  
immunization brawl after courting

297  
00:13:35,710 --> 00:13:40,930  
controversy with her PhD claiming an

298  
00:13:38,110 --> 00:13:43,300  
immunization conspiracy anti vaccination

299  
00:13:40,929 --> 00:13:46,299  
campaign a Julie Y Lehman is now

300  
00:13:43,299 --> 00:13:51,969  
providing her expert opinion in family

301  
00:13:46,299 --> 00:13:54,699  
matters before the courts the country's

302  
00:13:51,970 --> 00:13:57,580  
most prominent anti vaccination activist

303  
00:13:54,700 --> 00:14:00,580  
is claiming to be an expert witness in a

304  
00:13:57,580 --> 00:14:03,190  
family legal brawl over whether their

305  
00:14:00,580 --> 00:14:05,560  
children should be immunized Julie Y

306  
00:14:03,190 --> 00:14:08,380  
Lehmann a militant vaccination critic

307  
00:14:05,559 --> 00:14:11,349  
has lodged an expert witness statement

308  
00:14:08,379 --> 00:14:13,350  
in a Federal Circuit Court matter which

309  
00:14:11,350 --> 00:14:16,450  
claims the federal government is

310  
00:14:13,350 --> 00:14:19,840  
suppressing evidence immunization is

311  
00:14:16,450 --> 00:14:21,850  
ineffective and harmful dr. Wiley moon

312  
00:14:19,840 --> 00:14:24,070  
has provided the statement in support of

313  
00:14:21,850 --> 00:14:27,220  
a mother who does not want her children

314

00:14:24,070 --> 00:14:29,290  
vaccinated the father who does want his

315  
00:14:27,220 --> 00:14:31,240  
children immunized has drafted in the

316  
00:14:29,289 --> 00:14:33,730  
former director of the National Center

317  
00:14:31,240 --> 00:14:36,340  
for immunization research Peter McIntyre

318  
00:14:33,730 --> 00:14:39,820  
to provide the court with his appraisal

319  
00:14:36,340 --> 00:14:43,210  
of dr. Wiley man's claims Fairfax Media

320  
00:14:39,820 --> 00:14:45,670  
has chosen not to disclosed the details

321  
00:14:43,210 --> 00:14:47,889  
of the family who are party to the

322  
00:14:45,669 --> 00:14:51,159  
dispute heard before the Federal Circuit

323  
00:14:47,889 --> 00:14:53,289  
Court in Brisbane earlier this year dr.

324  
00:14:51,159 --> 00:14:55,959  
Wiley man who was controversially

325  
00:14:53,289 --> 00:14:58,230  
awarded a humanities PhD by the

326  
00:14:55,960 --> 00:15:00,580  
University of Wollongong for a thesis

327  
00:14:58,230 --> 00:15:02,370  
which argued the World Health

328  
00:15:00,580 --> 00:15:04,629

Organization colluded with

329

00:15:02,370 --> 00:15:08,110

pharmaceutical companies in a conspiracy

330

00:15:04,629 --> 00:15:10,870

to spruik unneeded vaccinations has no

331

00:15:08,110 --> 00:15:13,629

academic qualifications in medicine the

332

00:15:10,870 --> 00:15:16,149

publication of her PhD was criticized by

333

00:15:13,629 --> 00:15:18,610

a chorus of medical academics and

334

00:15:16,149 --> 00:15:20,529

scientists including the executive Dean

335

00:15:18,610 --> 00:15:23,740

of Wollongong University's science

336

00:15:20,529 --> 00:15:26,649

medicine and health faculty Allison

337

00:15:23,740 --> 00:15:28,250

Jones the government's push to vaccinate

338

00:15:26,649 --> 00:15:31,370

all children is quote

339

00:15:28,250 --> 00:15:34,879

coercion in a medical practice instead

340

00:15:31,370 --> 00:15:37,399

of informed consent and is contrary to

341

00:15:34,879 --> 00:15:39,889

the good medical practice guidelines and

342

00:15:37,399 --> 00:15:42,319

all international human rights



343  
00:15:39,889 --> 00:15:44,750  
conventions end quote the statement

344  
00:15:42,320 --> 00:15:46,730  
reads dr. Walley man's statement makes

345  
00:15:44,750 --> 00:15:48,409  
numerous claims about how medical

346  
00:15:46,730 --> 00:15:49,310  
professionals and the pharmaceutical

347  
00:15:48,409 --> 00:15:52,360  
industry

348  
00:15:49,309 --> 00:15:55,189  
disregard the risks of vaccination the

349  
00:15:52,360 --> 00:15:57,340  
document obtained by Fairfax media

350  
00:15:55,190 --> 00:16:00,590  
accuses the government of not providing

351  
00:15:57,340 --> 00:16:03,560  
quote hard scientific evidence of safety

352  
00:16:00,590 --> 00:16:06,470  
and efficacy of vaccines because it

353  
00:16:03,559 --> 00:16:08,839  
cannot in quote quote if the father of

354  
00:16:06,470 --> 00:16:11,990  
these children cannot provide this

355  
00:16:08,840 --> 00:16:13,940  
evidence then fully informed consent has

356  
00:16:11,990 --> 00:16:16,250  
not been provided and there is no

357  
00:16:13,940 --> 00:16:19,580  
evidence that vaccinating with the full

358  
00:16:16,250 --> 00:16:21,740  
schedule of 16 vaccines will be in the

359  
00:16:19,580 --> 00:16:24,320  
best interest of these children end

360  
00:16:21,740 --> 00:16:26,990  
quote the statement reads quote if the

361  
00:16:24,320 --> 00:16:30,200  
mother does not wish to vaccinate then

362  
00:16:26,990 --> 00:16:32,899  
the default position must be not to

363  
00:16:30,200 --> 00:16:34,879  
vaccinate end quote the office of Health

364  
00:16:32,899 --> 00:16:37,579  
Minister Greg Hunt declined to comment

365  
00:16:34,879 --> 00:16:40,159  
on the individual case which remains

366  
00:16:37,580 --> 00:16:42,350  
before the court but said quote he

367  
00:16:40,159 --> 00:16:44,990  
condemns the general claim that

368  
00:16:42,350 --> 00:16:47,810  
vaccinations aren't safe and quote quote

369  
00:16:44,990 --> 00:16:51,200  
the science is in and the medical

370  
00:16:47,809 --> 00:16:54,529  
experts advice is absolute vaccination

371

00:16:51,200 --> 00:16:56,600  
saves lives and protects lives and they

372  
00:16:54,529 --> 00:16:59,329  
are an essential part of a healthy

373  
00:16:56,600 --> 00:17:02,090  
society in quote a spokesman for mr.

374  
00:16:59,330 --> 00:17:04,279  
hunt said quote we have no time for

375  
00:17:02,090 --> 00:17:06,829  
false claims made by the anti-vaxxers

376  
00:17:04,279 --> 00:17:08,930  
end quote because the judgment is yet to

377  
00:17:06,829 --> 00:17:11,809  
be handed down it is unclear how

378  
00:17:08,930 --> 00:17:15,620  
seriously the court took dr. Wylie man's

379  
00:17:11,809 --> 00:17:17,899  
claims tobacco claims of expertise dr.

380  
00:17:15,619 --> 00:17:19,669  
Weiman lists a number of presentations

381  
00:17:17,900 --> 00:17:23,210  
and publications on the topic of

382  
00:17:19,670 --> 00:17:26,750  
immunization including a 2011 work in

383  
00:17:23,210 --> 00:17:28,640  
medical Veritas the website is run by

384  
00:17:26,750 --> 00:17:31,519  
Leonard G Horowitz who claims

385  
00:17:28,640 --> 00:17:33,200

vaccinations lead to quote genocide end

386

00:17:31,519 --> 00:17:36,109  
quote and that the Rockefeller

387

00:17:33,200 --> 00:17:38,870  
Foundation is engaged in quote musical

388

00:17:36,109 --> 00:17:42,048  
cult control through the turing standard

389

00:17:38,869 --> 00:17:44,118  
another presentation listed is an event

390

00:17:42,048 --> 00:17:46,668  
the wily man herself organized as part

391

00:17:44,118 --> 00:17:48,980  
of her vaccinations and decisions an

392

00:17:46,669 --> 00:17:51,590  
outfit which campaigns against the

393

00:17:48,980 --> 00:17:54,319  
government's immunization policies quote

394

00:17:51,589 --> 00:17:56,599  
I am qualified to write this report

395

00:17:54,319 --> 00:17:58,819  
because I am an independent person with

396

00:17:56,599 --> 00:18:02,058  
expertise in public health and the

397

00:17:58,819 --> 00:18:04,089  
effects of toxins on the human body end

398

00:18:02,058 --> 00:18:07,069  
quote she writes in a statement

399

00:18:04,089 --> 00:18:09,558  
Patrick Parkinson the head of the

400  
00:18:07,069 --> 00:18:12,859  
University of Queensland TC Burnie

401  
00:18:09,558 --> 00:18:15,528  
School of Law said quote there is a very

402  
00:18:12,859 --> 00:18:17,538  
rigorous test of admissibility and quote

403  
00:18:15,528 --> 00:18:20,419  
in order for an expert witness to be

404  
00:18:17,538 --> 00:18:22,489  
given credit by the court quote they

405  
00:18:20,419 --> 00:18:24,980  
must demonstrate they have expertise in

406  
00:18:22,489 --> 00:18:27,350  
the area and they must demonstrate their

407  
00:18:24,980 --> 00:18:29,298  
views and recommendations based upon

408  
00:18:27,349 --> 00:18:31,998  
that expertise in quote professor

409  
00:18:29,298 --> 00:18:34,548  
Parkinson said quote there will almost

410  
00:18:31,999 --> 00:18:36,470  
certainly be a challenge to the

411  
00:18:34,548 --> 00:18:38,868  
admissibility of this report as an

412  
00:18:36,470 --> 00:18:41,868  
expert one and two her recommendations

413  
00:18:38,868 --> 00:18:43,970  
flow from an expert knowledge this seems

414  
00:18:41,868 --> 00:18:46,128  
to be the law working properly in quota

415  
00:18:43,970 --> 00:18:48,019  
lawyers acting for the mother of the

416  
00:18:46,128 --> 00:18:49,878  
children declined to comment while

417  
00:18:48,019 --> 00:18:52,099  
attempts to contact lawyers acting for

418  
00:18:49,878 --> 00:18:54,019  
the father were unsuccessful dr. Weil

419  
00:18:52,099 --> 00:18:56,358  
Eamonn did not respond to multiple

420  
00:18:54,019 --> 00:18:58,638  
requests for comment professor McIntyre

421  
00:18:56,358 --> 00:19:00,980  
who is now a senior doctor at the West

422  
00:18:58,638 --> 00:19:03,258  
Meade Children's Hospital told Fairfax

423  
00:19:00,980 --> 00:19:05,509  
that Wollongong University quote must

424  
00:19:03,259 --> 00:19:08,419  
bear the major responsibility for

425  
00:19:05,509 --> 00:19:10,669  
manifestly inadequate supervision end

426  
00:19:08,419 --> 00:19:12,619  
quote quote it is clear from even

427  
00:19:10,669 --> 00:19:15,080  
cursory examination that why humans

428

00:19:12,618 --> 00:19:17,839  
thesis although raising some legitimate

429  
00:19:15,079 --> 00:19:20,178  
questions about gaps in both the process

430  
00:19:17,839 --> 00:19:22,668  
and transparency of immunization policy

431  
00:19:20,179 --> 00:19:25,159  
development is based on a highly

432  
00:19:22,669 --> 00:19:27,769  
selective and poorly informed review of

433  
00:19:25,159 --> 00:19:30,440  
the literature driven by the imperative

434  
00:19:27,769 --> 00:19:32,899  
to support predetermined conclusions

435  
00:19:30,440 --> 00:19:33,950  
end quote he said quote this is a

436  
00:19:32,898 --> 00:19:36,858  
cautionary tale

437  
00:19:33,950 --> 00:19:39,379  
not just for Wollongong University which

438  
00:19:36,858 --> 00:19:41,298  
continues to maintain that supervision

439  
00:19:39,378 --> 00:19:43,488  
and examination of the thesis was

440  
00:19:41,298 --> 00:19:45,288  
appropriate despite strong contrary

441  
00:19:43,489 --> 00:19:47,720  
opinions from its own staff and

442  
00:19:45,288 --> 00:19:49,638

prominent experts on immunization but

443

00:19:47,720 --> 00:19:53,089

for all Australian universities end

444

00:19:49,638 --> 00:19:56,000

quote the awarding of that PhD in early

445

00:19:53,089 --> 00:19:58,669

2016 was harshly criticized by

446

00:19:56,000 --> 00:20:01,940

peak clinical societies representing

447

00:19:58,670 --> 00:20:04,610

microbiology virology immunology and

448

00:20:01,940 --> 00:20:10,640

infectious diseases as well as

449

00:20:04,609 --> 00:20:13,189

scientists to staff nozzle and that

450

00:20:10,640 --> 00:20:15,170

story comes to us from the age of age

451

00:20:13,190 --> 00:20:18,710

come to you with links in this week's

452

00:20:15,170 --> 00:20:20,600

show notes and it's worth reminding you

453

00:20:18,710 --> 00:20:23,259

that in 2016

454

00:20:20,599 --> 00:20:26,119

Julie while Eamonn Ryan mutton and the

455

00:20:23,259 --> 00:20:28,990

Faculty of Social Sciences at the

456

00:20:26,119 --> 00:20:33,799

University of Wollongong was awarded the



457  
00:20:28,990 --> 00:20:36,289  
Australian skeptics bent spoon award for

458  
00:20:33,799 --> 00:20:38,960  
awarding volume and a doctorate on the

459  
00:20:36,289 --> 00:20:42,200  
basis of a PhD thesis riddled with

460  
00:20:38,960 --> 00:20:44,720  
errors miss statements poor and

461  
00:20:42,200 --> 00:20:46,529  
unsupported evidence and conspiratorial

462  
00:20:44,720 --> 00:21:03,960  
thinking

463  
00:20:46,529 --> 00:21:08,048  
[Music]

464  
00:21:03,960 --> 00:21:11,110  
dr. Harriet Hall MD no into thousands as

465  
00:21:08,048 --> 00:21:14,230  
the skeptic a retired family physician

466  
00:21:11,109 --> 00:21:16,269  
and former Air Force flight surgeon she

467  
00:21:14,230 --> 00:21:18,000  
writes about medicine so-called

468  
00:21:16,269 --> 00:21:21,869  
complementary and alternative medicine

469  
00:21:18,000 --> 00:21:24,940  
science pakery and critical thinking

470  
00:21:21,869 --> 00:21:27,219  
Harriet now has a free course a series

471  
00:21:24,940 --> 00:21:30,548  
of 10 video lectures on science-based

472  
00:21:27,220 --> 00:21:32,589  
medicine and alternative medicine the

473  
00:21:30,548 --> 00:21:34,720  
videos and an accompanying course guide

474  
00:21:32,589 --> 00:21:39,548  
can be found by following the link at

475  
00:21:34,720 --> 00:21:44,130  
skeptical info or by visiting web Randi's

476  
00:21:39,548 --> 00:21:47,879  
org slash educational - modules dot

477  
00:21:44,130 --> 00:21:50,140  
html' topics covered in the series are

478  
00:21:47,880 --> 00:21:51,429  
science-based medicine vs.

479  
00:21:50,140 --> 00:21:55,169  
evidence-based medicine

480  
00:21:51,429 --> 00:21:58,450  
what is Kam chiropractic acupuncture

481  
00:21:55,169 --> 00:22:01,240  
homeopathy naturopathy and herbal

482  
00:21:58,450 --> 00:22:03,940  
medicine energy medicine miscellaneous

483  
00:22:01,240 --> 00:22:06,940  
alternatives pitfalls in research and

484  
00:22:03,940 --> 00:22:10,690  
science based medicine in the media and

485

00:22:06,940 --> 00:22:13,269  
politics Harriette covers each topic in

486  
00:22:10,690 --> 00:22:16,539  
a matter-of-fact no-nonsense way that

487  
00:22:13,269 --> 00:22:18,639  
sure to educate and entertain skeptic

488  
00:22:16,539 --> 00:22:30,028  
dot info

489  
00:22:18,640 --> 00:22:30,028  
[Music]

490  
00:22:30,220 --> 00:22:37,839  
years may not spooky action at the

491  
00:22:35,420 --> 00:22:39,740  
distance

492  
00:22:37,839 --> 00:22:42,079  
well people you might have heard about

493  
00:22:39,740 --> 00:22:43,460  
wires or seen about them or know someone

494  
00:22:42,079 --> 00:22:44,929  
who's had to ring them up and get help

495  
00:22:43,460 --> 00:22:46,880  
from them but I've got two people from

496  
00:22:44,930 --> 00:22:51,130  
wires right now and let us know what it

497  
00:22:46,880 --> 00:22:56,300  
stands for again wildlife information

498  
00:22:51,130 --> 00:22:56,630  
rescue education services and who we got

499  
00:22:56,299 --> 00:23:00,529

here

500

00:22:56,630 --> 00:23:02,480

I'm Debra I'm chairperson of the wires

501

00:23:00,529 --> 00:23:05,779

Northwest branch looking after that part

502

00:23:02,480 --> 00:23:08,599

of Sydney and I'm Caroline and I'm the

503

00:23:05,779 --> 00:23:10,309

coordinator for wires Northwest actually

504

00:23:08,599 --> 00:23:12,259

first question about bats how do you get

505

00:23:10,309 --> 00:23:13,730

their poo off your car easily because

506

00:23:12,259 --> 00:23:16,579

they seem to have a very corrosive kind

507

00:23:13,730 --> 00:23:18,740

of poo probably wash the car immediately

508

00:23:16,579 --> 00:23:20,299

when you get up in the morning why is

509

00:23:18,740 --> 00:23:22,730

that poo so corrosive is because they

510

00:23:20,299 --> 00:23:27,349

acidic fruit or something they do eat

511

00:23:22,730 --> 00:23:29,150

fruit and pollen and there it passes

512

00:23:27,349 --> 00:23:30,919

through the bodies really quickly sort

513

00:23:29,150 --> 00:23:32,540

of things so it actually just basically

514  
00:23:30,920 --> 00:23:34,730  
goes straight through from the time that

515  
00:23:32,539 --> 00:23:36,049  
they write sounds like throwing a raw

516  
00:23:34,730 --> 00:23:39,319  
orange on your car that's what they're

517  
00:23:36,049 --> 00:23:43,879  
really and why did you get involved in

518  
00:23:39,319 --> 00:23:47,809  
wires um I retired and I was looking for

519  
00:23:43,880 --> 00:23:49,340  
things to do and I was I grew up with a

520  
00:23:47,809 --> 00:23:51,649  
father who was a bird watcher and used

521  
00:23:49,339 --> 00:23:53,869  
to take his bush and we so we learned to

522  
00:23:51,650 --> 00:23:55,700  
appreciate wildlife and I wanted to do

523  
00:23:53,869 --> 00:23:58,009  
something for wildlife because I think

524  
00:23:55,700 --> 00:23:59,600  
humans are destroying habitats and

525  
00:23:58,009 --> 00:24:01,279  
Wildlife is suffering

526  
00:23:59,599 --> 00:24:05,179  
that's for sure what attracted you to

527  
00:24:01,279 --> 00:24:10,099  
bats particularly I started the wires

528  
00:24:05,180 --> 00:24:11,960  
course and I love all animals really but

529  
00:24:10,099 --> 00:24:13,819  
with the bats they were talking about

530  
00:24:11,960 --> 00:24:16,279  
raising the baby bats and that you

531  
00:24:13,819 --> 00:24:19,250  
actually have to nurture and love them

532  
00:24:16,279 --> 00:24:21,649  
and I thought I could do that easily and

533  
00:24:19,250 --> 00:24:24,319  
so that's what actually attracted me to

534  
00:24:21,650 --> 00:24:26,269  
the bats in the first place and once I

535  
00:24:24,319 --> 00:24:27,649  
actually started learning about bats and

536  
00:24:26,269 --> 00:24:29,869  
caring for bats they're just the most

537  
00:24:27,650 --> 00:24:32,600  
amazing animals they're intelligent

538  
00:24:29,869 --> 00:24:35,119  
they're funny they're they look after

539  
00:24:32,599 --> 00:24:37,309  
the young incredibly well

540  
00:24:35,119 --> 00:24:38,599  
so it's flying foxes you've got your

541  
00:24:37,309 --> 00:24:41,509  
microbots they're also really

542

00:24:38,599 --> 00:24:44,029  
intelligent they're incredible how they

543  
00:24:41,509 --> 00:24:45,289  
actually survive and what they can what

544  
00:24:44,029 --> 00:24:47,750  
they do to survive

545  
00:24:45,289 --> 00:24:50,720  
because you mainly deal with Australian

546  
00:24:47,750 --> 00:24:53,869  
indie animals here so so would it go to

547  
00:24:50,720 --> 00:24:55,640  
be counted no no goats no dogs no cats

548  
00:24:53,869 --> 00:24:56,779  
all right we will there's plenty of

549  
00:24:55,640 --> 00:24:59,390  
people that can deal with them anyway

550  
00:24:56,779 --> 00:25:02,450  
isn't it yeah yeah yeah so just native

551  
00:24:59,390 --> 00:25:03,740  
wildlife perhaps a large gray or red

552  
00:25:02,450 --> 00:25:06,200  
kangaroo might be something you had to

553  
00:25:03,740 --> 00:25:09,500  
deal with yeah we do get kangaroos in

554  
00:25:06,200 --> 00:25:11,690  
North West Sydney even in the suburbs in

555  
00:25:09,500 --> 00:25:13,099  
fact I think we've got a rescue waiting

556  
00:25:11,690 --> 00:25:14,900

for a rescue at the moment for a

557

00:25:13,099 --> 00:25:16,549

kangaroo who's on the side of the road

558

00:25:14,900 --> 00:25:21,110

it's been hit by a car and that's really

559

00:25:16,549 --> 00:25:24,470

sad and we we always go out and check

560

00:25:21,109 --> 00:25:27,049

kangaroos because there may be a Joey in

561

00:25:24,470 --> 00:25:28,670

the pouch of a dead mother so then we

562

00:25:27,049 --> 00:25:31,819

bring the Joey's into care and look

563

00:25:28,670 --> 00:25:33,890

after them and that's a really demanding

564

00:25:31,819 --> 00:25:36,619

job it's sort of like eight feeds a day

565

00:25:33,890 --> 00:25:38,930

for a very young Joey and they have to

566

00:25:36,619 --> 00:25:40,429

be toileted you have a high success rate

567

00:25:38,930 --> 00:25:43,549

because I imagine sometimes it would be

568

00:25:40,430 --> 00:25:45,259

difficult to bring them up yeah and that

569

00:25:43,549 --> 00:25:46,879

they get stressed very easily and then

570

00:25:45,259 --> 00:25:48,750

they get sick so I have a huge man



571  
00:25:46,880 --> 00:25:52,020  
information for our our

572  
00:25:48,750 --> 00:25:53,730  
ruk errors and they need to be in care

573  
00:25:52,019 --> 00:25:55,798  
for about two years before they're old

574  
00:25:53,730 --> 00:25:58,650  
enough to be released so you need

575  
00:25:55,798 --> 00:26:02,099  
somebody with big acreage so anybody out

576  
00:25:58,650 --> 00:26:03,960  
there who'd like to raise kangaroo

577  
00:26:02,099 --> 00:26:06,569  
Joey's to talk to your local wildlife

578  
00:26:03,960 --> 00:26:07,950  
organization remember it's a lot of work

579  
00:26:06,569 --> 00:26:11,369  
remember kangaroo is just not for

580  
00:26:07,950 --> 00:26:13,110  
Christmas I believe they say now people

581  
00:26:11,369 --> 00:26:14,729  
I mean I would look at a koala and go

582  
00:26:13,109 --> 00:26:16,168  
I'm not going to pick that up but people

583  
00:26:14,730 --> 00:26:18,150  
would make the mistake of thinking that

584  
00:26:16,169 --> 00:26:19,890  
a koala is something you can pick up but

585  
00:26:18,150 --> 00:26:23,370  
that would be not the case

586  
00:26:19,890 --> 00:26:25,710  
no I were to talk about koalas and and

587  
00:26:23,369 --> 00:26:27,869  
they were saying koala calls of flaws

588  
00:26:25,710 --> 00:26:30,390  
are recurved they kind of curve in and

589  
00:26:27,869 --> 00:26:34,129  
they can kind of really grab you I had a

590  
00:26:30,390 --> 00:26:36,780  
I never done a koala rescue but I was

591  
00:26:34,130 --> 00:26:39,630  
running a course in the country once in

592  
00:26:36,779 --> 00:26:41,369  
a koala ran across the road in front of

593  
00:26:39,630 --> 00:26:43,799  
us so of course we rushed after it to

594  
00:26:41,369 --> 00:26:46,109  
make sure it was okay and luckily there

595  
00:26:43,798 --> 00:26:49,230  
was a koala rescue group nearby and we

596  
00:26:46,109 --> 00:26:52,168  
rang them up and and they said if it's

597  
00:26:49,230 --> 00:26:55,380  
got a clean white bottom and it's bright

598  
00:26:52,169 --> 00:26:57,150  
and alert then it's probably fine so we

599

00:26:55,380 --> 00:26:59,970  
just ran up the nearest tree and we left

600  
00:26:57,150 --> 00:27:01,650  
it alone so it's the white bottom to

601  
00:26:59,970 --> 00:27:03,240  
show that it's clean and looking after

602  
00:27:01,650 --> 00:27:05,940  
itself what does that mean yeah an

603  
00:27:03,240 --> 00:27:07,730  
unhealthy koala has the yellow stains on

604  
00:27:05,940 --> 00:27:10,950  
its bottom because it has like diarrhea

605  
00:27:07,730 --> 00:27:13,500  
yeah so we learn all the time and it's

606  
00:27:10,950 --> 00:27:15,210  
what I love about wires is every animal

607  
00:27:13,500 --> 00:27:20,038  
I rescue

608  
00:27:15,210 --> 00:27:22,679  
I learned something new so sorry that's

609  
00:27:20,038 --> 00:27:31,500  
my phone that is cool that's a ring turn

610  
00:27:22,679 --> 00:27:33,360  
people into that and where can people

611  
00:27:31,500 --> 00:27:34,669  
find you online and have a look at what

612  
00:27:33,359 --> 00:27:38,189  
you're all about

613  
00:27:34,669 --> 00:27:39,778

yau is a website and there's lots of

614

00:27:38,190 --> 00:27:41,940

useful information on the website

615

00:27:39,778 --> 00:27:44,398

including how to become a wise volunteer

616

00:27:41,940 --> 00:27:46,679

and fact sheets about things like how to

617

00:27:44,398 --> 00:27:49,489

deal with possums and brush turkeys and

618

00:27:46,679 --> 00:27:49,490

swooping birds

619

00:27:50,538 --> 00:27:54,929

I'm here with dr. grace to tell whom doh

620

00:27:53,609 --> 00:27:55,469

what is your degree in and where did you

621

00:27:54,929 --> 00:27:59,278

get it

622

00:27:55,470 --> 00:28:01,110

I got a at Sydney University and I got

623

00:27:59,278 --> 00:28:05,240

it it's a Bachelor of veterinary science

624

00:28:01,109 --> 00:28:07,319

now they've switched over to a DVM so a

625

00:28:05,240 --> 00:28:08,970

postgraduate course now is how you do

626

00:28:07,319 --> 00:28:10,918

better at Sydney Uni but previously it

627

00:28:08,970 --> 00:28:14,339

was a bachelor's so I did that and they

628  
00:28:10,919 --> 00:28:16,259  
lost in 2015 I graduated and what

629  
00:28:14,339 --> 00:28:18,119  
attracted you to that I was at a love of

630  
00:28:16,259 --> 00:28:19,500  
animals or you want to do the science

631  
00:28:18,119 --> 00:28:21,359  
involved what was it that made you said

632  
00:28:19,500 --> 00:28:23,700  
that's the one yeah big bones really

633  
00:28:21,359 --> 00:28:27,359  
I've always loved animals always had you

634  
00:28:23,700 --> 00:28:30,028  
know pets as as I grew up and when I was

635  
00:28:27,359 --> 00:28:33,000  
seeing you 10 I was doing school over in

636  
00:28:30,028 --> 00:28:34,980  
England and as part of school they make

637  
00:28:33,000 --> 00:28:37,259  
you do you know work experience at

638  
00:28:34,980 --> 00:28:38,669  
wherever you would prefer and I went to

639  
00:28:37,259 --> 00:28:40,140  
a vet clinic there and found that really

640  
00:28:38,669 --> 00:28:42,090  
interesting and thought okay well that's

641  
00:28:40,140 --> 00:28:44,220  
one way to work with that and also let's

642  
00:28:42,089 --> 00:28:46,829  
explore that path a little bit more and

643  
00:28:44,220 --> 00:28:48,450  
the science behind it and you know

644  
00:28:46,829 --> 00:28:50,668  
treating animals is also really

645  
00:28:48,450 --> 00:28:52,380  
interesting as well so it went down that

646  
00:28:50,669 --> 00:28:54,750  
path and then once you work in general

647  
00:28:52,380 --> 00:28:58,799  
practice you get another idea of how it

648  
00:28:54,750 --> 00:29:02,250  
is and go it's like a knock doctor or a

649  
00:28:58,798 --> 00:29:04,139  
nurse you did the you see animals in

650  
00:29:02,250 --> 00:29:06,298  
distress all the time so how do you deal

651  
00:29:04,140 --> 00:29:08,880  
with that as event yeah I mean it's hard

652  
00:29:06,298 --> 00:29:11,129  
and you know aspects we do also have to

653  
00:29:08,880 --> 00:29:13,590  
euthanize pets you know when they're

654  
00:29:11,130 --> 00:29:16,440  
really sick or they're old but you know

655  
00:29:13,589 --> 00:29:18,808  
it's always some people struggle with it

656

00:29:16,440 --> 00:29:21,149  
more than others just like everyone

657  
00:29:18,808 --> 00:29:22,710  
your strengths in some areas different

658  
00:29:21,148 --> 00:29:24,148  
at the end of the day you've got to

659  
00:29:22,710 --> 00:29:28,159  
remember you're doing the best for that

660  
00:29:24,148 --> 00:29:31,378  
that patient and ending suffering and

661  
00:29:28,159 --> 00:29:33,120  
for welfare and quality of life as well

662  
00:29:31,378 --> 00:29:35,189  
so you know it's you've always got to

663  
00:29:33,119 --> 00:29:38,248  
look at it that way otherwise it can you

664  
00:29:35,190 --> 00:29:40,830  
know it can get hard but you know you're

665  
00:29:38,249 --> 00:29:43,069  
trained to do the best for that animal

666  
00:29:40,829 --> 00:29:45,658  
and it make them healthy and happy so

667  
00:29:43,069 --> 00:29:47,519  
and grace even within your lifetime and

668  
00:29:45,659 --> 00:29:48,960  
certainly within mine the attitude to

669  
00:29:47,519 --> 00:29:52,200  
what amount of treatment should be given

670  
00:29:48,960 --> 00:29:54,419

to a pet has it changed like in the 70s

671

00:29:52,200 --> 00:29:56,009

if you had to spend \$200 on an animal

672

00:29:54,419 --> 00:29:57,899

that would just be you wouldn't even

673

00:29:56,009 --> 00:29:59,788

think about it but now people do limb

674

00:29:57,898 --> 00:30:01,739

Murray constructions and and theirs is

675

00:29:59,788 --> 00:30:03,658

their dialysis for cats even I mean

676

00:30:01,740 --> 00:30:05,099

really expensive treatments people can

677

00:30:03,659 --> 00:30:07,440

spend I don't know you would know how

678

00:30:05,099 --> 00:30:09,480

much it is but like \$8,000 or up on

679

00:30:07,440 --> 00:30:11,009

their cat and that would be unheard of

680

00:30:09,480 --> 00:30:12,569

before yeah definitely

681

00:30:11,009 --> 00:30:15,210

the times are definitely changed with

682

00:30:12,569 --> 00:30:17,908

that and and I guess it's also that the

683

00:30:15,210 --> 00:30:19,259

pets are now I guess more really

684

00:30:17,909 --> 00:30:20,940

integrating parts of the family you know



685  
00:30:19,259 --> 00:30:22,558  
they're a member of the family so you

686  
00:30:20,940 --> 00:30:24,480  
want to do them as much as you can and

687  
00:30:22,558 --> 00:30:26,308  
pet insurance definitely is worthwhile

688  
00:30:24,480 --> 00:30:28,378  
in case those sort of things happened

689  
00:30:26,308 --> 00:30:30,178  
and there is a \$10,000 surgery or

690  
00:30:28,378 --> 00:30:32,308  
treatment required so pet insurance

691  
00:30:30,179 --> 00:30:34,019  
again is a new thing to Australia as

692  
00:30:32,308 --> 00:30:36,269  
well it was in England and America a lot

693  
00:30:34,019 --> 00:30:37,679  
earlier on and later to come to

694  
00:30:36,269 --> 00:30:39,569  
Australia but it definitely helps with

695  
00:30:37,679 --> 00:30:41,639  
those sort of situations where it's

696  
00:30:39,569 --> 00:30:42,990  
gonna be a big bill but yeah it

697  
00:30:41,638 --> 00:30:45,359  
definitely has changed over the years

698  
00:30:42,990 --> 00:30:49,919  
sure what's the strangest hey behavior

699  
00:30:45,359 --> 00:30:53,418  
you observed in a household pet yeah

700  
00:30:49,919 --> 00:30:53,419  
there's so so many

701  
00:30:54,710 --> 00:30:59,059  
that's a very good question I know

702  
00:30:57,230 --> 00:31:01,089  
because you get a lot there but as well

703  
00:30:59,059 --> 00:31:03,379  
as that you get people you get some

704  
00:31:01,089 --> 00:31:04,519  
pseudo science in the area as well to

705  
00:31:03,380 --> 00:31:06,320  
get people think that they could they

706  
00:31:04,519 --> 00:31:07,910  
can mind Amell with the cat or they can

707  
00:31:06,319 --> 00:31:09,289  
psychically read the cat and that kind

708  
00:31:07,910 --> 00:31:10,940  
of thing and as in humans there's

709  
00:31:09,289 --> 00:31:13,339  
probably no evidence of that is there no

710  
00:31:10,940 --> 00:31:18,080  
we aren't being bets we do go off the

711  
00:31:13,339 --> 00:31:21,289  
science and studying them so I think as

712  
00:31:18,079 --> 00:31:23,000  
we get into the science and help them as

713

00:31:21,289 --> 00:31:24,889  
much as we can and where can we find you

714  
00:31:23,000 --> 00:31:27,410  
online and what you do online yes so

715  
00:31:24,890 --> 00:31:29,690  
we're at sea animal behavior service in

716  
00:31:27,410 --> 00:31:31,700  
Seaforth and we also consult out of

717  
00:31:29,690 --> 00:31:36,049  
animal referral hospital in Homebush and

718  
00:31:31,700 --> 00:31:38,779  
our websites wws ABS so sydney animal

719  
00:31:36,049 --> 00:31:40,609  
behavior service combo you dr. grace

720  
00:31:38,779 --> 00:31:42,109  
they tell their who has such weird

721  
00:31:40,609 --> 00:31:43,699  
experiences with animals she camping the

722  
00:31:42,109 --> 00:31:45,529  
term I don't blame you because every day

723  
00:31:43,700 --> 00:31:49,460  
must be an adventure yes too many to

724  
00:31:45,529 --> 00:31:51,259  
count really I'm here dr. Matthew

725  
00:31:49,460 --> 00:31:53,120  
Bobbitt who like myself as I mentioned

726  
00:31:51,259 --> 00:31:54,829  
earlier is a fan of the pygmy hippo the

727  
00:31:53,119 --> 00:31:57,049

only animal in nature it looks like it's

728

00:31:54,829 --> 00:31:59,779

wearing a skinny that's true indeed I

729

00:31:57,049 --> 00:32:03,649

love hippos and the Oriental oriental

730

00:31:59,779 --> 00:32:05,210

small-clawed otters that I like of

731

00:32:03,650 --> 00:32:07,190

course they are well you know anything

732

00:32:05,210 --> 00:32:07,700

that's actually unusual and strange I'm

733

00:32:07,190 --> 00:32:09,650

in there

734

00:32:07,700 --> 00:32:11,120

yeah well the assassin about what's ago

735

00:32:09,650 --> 00:32:13,220

that is it a native Australian thing

736

00:32:11,119 --> 00:32:15,319

yeah absolutely assassin bugs are found

737

00:32:13,220 --> 00:32:16,910

all over the world so one of the things

738

00:32:15,319 --> 00:32:18,889

that people don't realize is that when

739

00:32:16,910 --> 00:32:20,509

they use the term bug I think that's any

740

00:32:18,890 --> 00:32:22,070

kind of creepy crawly but it's not

741

00:32:20,509 --> 00:32:24,259

actually true so there's actually a

742  
00:32:22,069 --> 00:32:26,389  
particular group of insects that have

743  
00:32:24,259 --> 00:32:28,640  
mouth parts like a drinking straw which

744  
00:32:26,390 --> 00:32:30,890  
like piercing the plants normally but

745  
00:32:28,640 --> 00:32:32,720  
assassin bugs exception to the rule

746  
00:32:30,890 --> 00:32:34,580  
because they're predators and they use

747  
00:32:32,720 --> 00:32:36,170  
that straw to pierce other animals

748  
00:32:34,579 --> 00:32:38,659  
that's not the bug that like squirts

749  
00:32:36,170 --> 00:32:42,039  
water at is that what I've seen the bug

750  
00:32:38,660 --> 00:32:42,040  
that squirts water that's fantastic

751  
00:32:42,579 --> 00:32:48,649  
that's great you know if you had a great

752  
00:32:46,700 --> 00:32:50,180  
time here today the one question that I

753  
00:32:48,650 --> 00:32:53,030  
thought really got the everyone fired up

754  
00:32:50,180 --> 00:32:55,340  
was the wombat mange question that there

755  
00:32:53,029 --> 00:32:57,740  
was a lady who asked us what to do about

756  
00:32:55,339 --> 00:32:59,199  
a wombat that is around her area that

757  
00:32:57,740 --> 00:33:01,089  
has mange and

758  
00:32:59,200 --> 00:33:02,710  
do you do that because I can you said

759  
00:33:01,089 --> 00:33:04,269  
whatever you do do not chase one back

760  
00:33:02,710 --> 00:33:05,470  
yeah that's right that's correct in fact

761  
00:33:04,269 --> 00:33:07,839  
I've got a really nice story for that

762  
00:33:05,470 --> 00:33:09,700  
the first one back that I ever saw I

763  
00:33:07,839 --> 00:33:12,069  
actually saw it on the track and I got

764  
00:33:09,700 --> 00:33:13,360  
so excited that I actually wanted to

765  
00:33:12,069 --> 00:33:15,250  
take a photo of it and then it moved up

766  
00:33:13,359 --> 00:33:18,099  
the track and all I could think of was

767  
00:33:15,250 --> 00:33:20,380  
to chase it and you know that wombats

768  
00:33:18,099 --> 00:33:23,740  
are incredibly fast or it left me in the

769  
00:33:20,380 --> 00:33:24,970  
dust absolutely I think in a straight

770

00:33:23,740 --> 00:33:26,169  
line speed they can do like 30

771  
00:33:24,970 --> 00:33:27,880  
kilometres an hour or something like

772  
00:33:26,169 --> 00:33:29,080  
that like some crazy thing like that so

773  
00:33:27,880 --> 00:33:31,600  
it's that point trying to chase in the

774  
00:33:29,079 --> 00:33:33,699  
first place and then they have just like

775  
00:33:31,599 --> 00:33:35,349  
solid muscle right so do they have claws

776  
00:33:33,700 --> 00:33:37,538  
for the digging that you don't want to

777  
00:33:35,349 --> 00:33:39,730  
be connected with yeah absolutely so the

778  
00:33:37,538 --> 00:33:41,288  
claws you know they're clawing through

779  
00:33:39,730 --> 00:33:44,349  
making their burrows I'm really tough to

780  
00:33:41,288 --> 00:33:46,240  
it and so they're actually and one bats

781  
00:33:44,349 --> 00:33:47,798  
in general too just because it feel a

782  
00:33:46,240 --> 00:33:51,339  
muscle they also have like incredibly

783  
00:33:47,798 --> 00:33:53,288  
hard backsides as well so the defensive

784  
00:33:51,339 --> 00:33:54,759

strategy is that they they if they

785

00:33:53,288 --> 00:33:56,079  
attacked they actually stick their head

786

00:33:54,759 --> 00:33:57,759  
into the Burrow and they just put their

787

00:33:56,079 --> 00:33:59,740  
body out and say everything twice attack

788

00:33:57,759 --> 00:34:01,538  
it just can't do anything so if they've

789

00:33:59,740 --> 00:34:03,370  
got mange the advice was to go to the

790

00:34:01,538 --> 00:34:05,558  
wombat specialist website and make a

791

00:34:03,369 --> 00:34:07,359  
little device of some sort

792

00:34:05,558 --> 00:34:09,489  
over there is a call to burrow what does

793

00:34:07,359 --> 00:34:11,168  
it call tomorrow and so when it goes in

794

00:34:09,489 --> 00:34:12,818  
and out it just gets a bit of drip of

795

00:34:11,168 --> 00:34:14,168  
whatever it is onto it because its main

796

00:34:12,818 --> 00:34:16,329  
just sort of a yeast infection for the

797

00:34:14,168 --> 00:34:18,338  
skin you know that yeah that's right but

798

00:34:16,329 --> 00:34:20,079  
it creates yeah you imagine if you've



799

00:34:18,338 --> 00:34:21,219

got an itch if you've had like

800

00:34:20,079 --> 00:34:23,079

chickenpox or something like that

801

00:34:21,219 --> 00:34:25,059

it drives you insane and it's the same

802

00:34:23,079 --> 00:34:26,409

with wombats and it's a horrible thing

803

00:34:25,059 --> 00:34:28,719

to see them in it can spread through

804

00:34:26,409 --> 00:34:30,730

their population as well so you know if

805

00:34:28,719 --> 00:34:32,168

you see it yeah you want to do something

806

00:34:30,730 --> 00:34:34,000

about it whether it's contacting their

807

00:34:32,168 --> 00:34:35,618

local authorities and local wildlife

808

00:34:34,000 --> 00:34:38,019

people to actually come down into it

809

00:34:35,619 --> 00:34:39,039

because they're amazing animals and you

810

00:34:38,019 --> 00:34:40,628

know this is the only country in the

811

00:34:39,039 --> 00:34:42,250

world you can see them where could we

812

00:34:40,628 --> 00:34:43,750

find you online and what you do online

813  
00:34:42,250 --> 00:34:45,699  
well I'm based at Macquarie University

814  
00:34:43,750 --> 00:34:47,889  
so you can look up my web site which i

815  
00:34:45,699 --> 00:34:50,439  
think is W very rock conflict ecology

816  
00:34:47,889 --> 00:34:52,599  
they'll come and you can find out about

817  
00:34:50,440 --> 00:34:54,128  
my research there but otherwise can

818  
00:34:52,599 --> 00:34:56,159  
search my name look and I know your love

819  
00:34:54,128 --> 00:34:57,659  
all animals but is there one animal

820  
00:34:56,159 --> 00:34:58,890  
like I'll knock it off enough already

821  
00:34:57,659 --> 00:35:00,779  
because I know you've got a favorite

822  
00:34:58,889 --> 00:35:01,949  
animal the pygmy hippo sorta but what's

823  
00:35:00,780 --> 00:35:04,769  
the one you go I'll look could we have a

824  
00:35:01,949 --> 00:35:06,179  
bit less publicity for that it's not

825  
00:35:04,769 --> 00:35:07,829  
very lot of publicity the only one that

826  
00:35:06,179 --> 00:35:10,858  
I probably would struggle a little bit

827

00:35:07,829 --> 00:35:12,269  
with our tips and just boutiques is

828  
00:35:10,858 --> 00:35:13,828  
because I know that they can't they kind

829  
00:35:12,269 --> 00:35:15,750  
of burrow into it it's not much they're

830  
00:35:13,829 --> 00:35:17,940  
burrowing into it it's just that it's

831  
00:35:15,750 --> 00:35:20,639  
it's hard to imagine where they are

832  
00:35:17,940 --> 00:35:23,639  
sometimes in the bush but but I can

833  
00:35:20,639 --> 00:35:24,690  
still greatly appreciate how they

834  
00:35:23,639 --> 00:35:26,670  
managed to do what they do

835  
00:35:24,690 --> 00:35:28,588  
let's do that do they help break things

836  
00:35:26,670 --> 00:35:30,030  
down what is what sips is part of the

837  
00:35:28,588 --> 00:35:31,858  
egg what's the reason for being in the

838  
00:35:30,030 --> 00:35:33,329  
ecosystem because to me they're just an

839  
00:35:31,858 --> 00:35:36,298  
annoyed cattle and us and that's their

840  
00:35:33,329 --> 00:35:37,559  
job look I can go I can come up with

841  
00:35:36,298 --> 00:35:40,639

something but I just say they're

842

00:35:37,559 --> 00:35:43,200

completely annoying that's their purpose

843

00:35:40,639 --> 00:35:45,858

thank you dr. Matthews has been a

844

00:35:43,199 --> 00:35:45,858

pleasure thank you

845

00:35:54,739 --> 00:35:59,368

hi I'm Darrin McKee one of the hosts of

846

00:35:57,420 --> 00:36:01,108

the reality check each week my co-host

847

00:35:59,369 --> 00:36:02,700

and I explore a range of controversies

848

00:36:01,108 --> 00:36:04,199

and curiosities using science and

849

00:36:02,699 --> 00:36:06,088

critical thinking you can find us on

850

00:36:04,199 --> 00:36:07,679

iTunes your favorite podcasting platform

851

00:36:06,088 --> 00:36:09,298

and on Facebook by searching for the

852

00:36:07,679 --> 00:36:11,759

reality check or by following us on

853

00:36:09,298 --> 00:36:13,440

Twitter at TRC underscore podcast until

854

00:36:11,760 --> 00:36:24,599

then keep an open mind but not so open

855

00:36:13,440 --> 00:36:35,010

your brain falls out it's the raw

856  
00:36:24,599 --> 00:36:37,559  
skeptical report with heidi roberts byron

857  
00:36:35,010 --> 00:36:41,119  
bay has become the anti-vaxxers paradise

858  
00:36:37,559 --> 00:36:48,420  
by Jane Hansen in The Daily Telegraph

859  
00:36:41,119 --> 00:36:50,700  
dot-com au September 23 2018 last week

860  
00:36:48,420 --> 00:36:53,599  
my 13 year old son had his second

861  
00:36:50,699 --> 00:36:57,328  
Gardasil or HPV vaccine

862  
00:36:53,599 --> 00:36:59,130  
he had this shocking side effect he will

863  
00:36:57,329 --> 00:37:02,548  
now be protected from a series of

864  
00:36:59,130 --> 00:37:05,670  
cancers caused by the HPV virus and he

865  
00:37:02,548 --> 00:37:08,028  
will not pass the virus on to others the

866  
00:37:05,670 --> 00:37:10,470  
very same day the Byron Shire Council

867  
00:37:08,028 --> 00:37:12,929  
overwhelmingly voted to continue to

868  
00:37:10,469 --> 00:37:16,429  
allow council owned venues to be used by

869  
00:37:12,929 --> 00:37:18,899  
an Tyvek suits to spread misinformation

870  
00:37:16,429 --> 00:37:21,659  
we all know the Shia has the worst

871  
00:37:18,900 --> 00:37:24,630  
vaccination rates in the country the

872  
00:37:21,659 --> 00:37:27,929  
green rolling hills act like an echo

873  
00:37:24,630 --> 00:37:32,369  
chamber and conspiracy theories are as

874  
00:37:27,929 --> 00:37:34,588  
common as gluten intolerance 'as it is

875  
00:37:32,369 --> 00:37:37,470  
no secret as to why it has the lowest

876  
00:37:34,588 --> 00:37:39,259  
vaccination rates anti-vaxxers have made

877  
00:37:37,469 --> 00:37:42,828  
an industry out of it

878  
00:37:39,260 --> 00:37:45,630  
natural therapists organic food stores

879  
00:37:42,829 --> 00:37:49,710  
doulas Wellness Coaches mothers groups

880  
00:37:45,630 --> 00:37:52,200  
yoga tents Instagram influences and even

881  
00:37:49,710 --> 00:37:53,179  
sections of the local media feed off

882  
00:37:52,199 --> 00:37:55,759  
each other

883  
00:37:53,179 --> 00:37:59,429  
fermenting a bubbling broth of

884

00:37:55,760 --> 00:38:02,420  
confirmation bias last year

885  
00:37:59,429 --> 00:38:05,399  
Jim organics owned by Adam Kingsley

886  
00:38:02,420 --> 00:38:07,559  
sponsored David avocado Wolfe to come to

887  
00:38:05,400 --> 00:38:10,709  
Byron to spread his flat

888  
00:38:07,559 --> 00:38:13,709  
twisdom mr. Kingsley told the Sunday

889  
00:38:10,708 --> 00:38:16,528  
Telegraph he hoped wolf would spread his

890  
00:38:13,708 --> 00:38:20,719  
anti-vaccine message because he too was

891  
00:38:16,528 --> 00:38:23,579  
proudly anti-vaccine the event sold out

892  
00:38:20,719 --> 00:38:26,519  
while shocked you mentor ease like VAX

893  
00:38:23,579 --> 00:38:28,769  
to get panned and canned by other

894  
00:38:26,518 --> 00:38:31,078  
publicly owned venues around Australia

895  
00:38:28,768 --> 00:38:33,298  
because they perpetuate myths that

896  
00:38:31,079 --> 00:38:36,209  
undermine a perfectly safe vaccination

897  
00:38:33,298 --> 00:38:38,998  
program byron in the words of greens

898  
00:38:36,208 --> 00:38:42,958

Mayor Simon Richardson welcomes the

899

00:38:38,998 --> 00:38:46,018

difficult conversations councillor Paul

900

00:38:42,958 --> 00:38:47,698

Spooner logically argued to council that

901

00:38:46,018 --> 00:38:50,248

since the Australian vaccination

902

00:38:47,699 --> 00:38:52,318

skeptics Network the original anti

903

00:38:50,248 --> 00:38:55,348

vaccination network born in the Byron

904

00:38:52,318 --> 00:38:57,088

Shire in the 1990s had a public health

905

00:38:55,349 --> 00:38:58,859

warning put out by the healthcare

906

00:38:57,088 --> 00:39:01,588

Complaints Commission about its

907

00:38:58,858 --> 00:39:03,989

misinformation council should not be

908

00:39:01,588 --> 00:39:07,018

facilitating the AVN when it hires out

909

00:39:03,989 --> 00:39:09,650

council halls to air films like vac

910

00:39:07,018 --> 00:39:12,149

stand sacrificial virgins

911

00:39:09,650 --> 00:39:14,548

Spooner caught whooping cough from his

912

00:39:12,150 --> 00:39:16,949

own unvaccinated grandchild some years



913  
00:39:14,548 --> 00:39:20,518  
ago and was distressed by his and his

914  
00:39:16,949 --> 00:39:23,219  
grandson's experience quote it's just

915  
00:39:20,518 --> 00:39:25,798  
misinformation we have the H Triple C

916  
00:39:23,219 --> 00:39:27,568  
put out a warning about the AVN that's

917  
00:39:25,798 --> 00:39:32,068  
in play and the council turns its back

918  
00:39:27,568 --> 00:39:33,329  
on that end quote spoon assess local mum

919  
00:39:32,068 --> 00:39:35,938  
and member of the Northern Rivers

920  
00:39:33,329 --> 00:39:38,609  
vaccination supporters argued that

921  
00:39:35,938 --> 00:39:40,588  
counsel was quote facilitating the AVN

922  
00:39:38,608 --> 00:39:44,699  
by providing venues for their dangerous

923  
00:39:40,588 --> 00:39:46,670  
views and quoting the council voted five

924  
00:39:44,699 --> 00:39:49,829  
to three against the motion

925  
00:39:46,670 --> 00:39:52,459  
the Birkenstock wearing hemp swaddled

926  
00:39:49,829 --> 00:39:55,650  
dreadlocked cliches cheered as

927  
00:39:52,458 --> 00:39:58,978  
alternative facts won out over actual

928  
00:39:55,650 --> 00:40:00,989  
science in the gallery was Cecily

929  
00:39:58,978 --> 00:40:03,838  
Johnson whose seven-year-old daughter

930  
00:40:00,989 --> 00:40:07,588  
Lane died of subacute sclerosing pan

931  
00:40:03,838 --> 00:40:10,498  
encephalitis SS PA a rare but fatal

932  
00:40:07,588 --> 00:40:13,438  
complication of measles she doesn't wish

933  
00:40:10,498 --> 00:40:15,598  
that sort of horror on anyone else but

934  
00:40:13,438 --> 00:40:17,699  
feels it will happen again to a child

935  
00:40:15,599 --> 00:40:20,019  
whose parent made the decision not to

936  
00:40:17,699 --> 00:40:22,659  
vaccinate based on lies

937  
00:40:20,019 --> 00:40:24,400  
at a recent airing of sacrificial

938  
00:40:22,659 --> 00:40:27,730  
virgins at the Mullumbimby civic hall

939  
00:40:24,400 --> 00:40:30,360  
the AVN said it was quote once again

940  
00:40:27,730 --> 00:40:33,400  
providing access to cutting-edge

941

00:40:30,360 --> 00:40:35,410  
vaccination information and answers from

942  
00:40:33,400 --> 00:40:38,019  
acknowledged experts on vaccination

943  
00:40:35,409 --> 00:40:40,960  
science and policy end quote

944  
00:40:38,019 --> 00:40:43,809  
just like faxed sacrificial virgins is

945  
00:40:40,960 --> 00:40:46,449  
all scary music peppered with fringe

946  
00:40:43,809 --> 00:40:48,279  
dwelling experts jettison from the

947  
00:40:46,449 --> 00:40:51,519  
mainstream usually for a very good

948  
00:40:48,280 --> 00:40:53,410  
reason they claim the HPV vaccine is

949  
00:40:51,519 --> 00:40:55,750  
destroying the lives of young girls by

950  
00:40:53,409 --> 00:40:59,049  
causing a neurological condition that

951  
00:40:55,750 --> 00:41:02,949  
leads to paralysis the main quote

952  
00:40:59,050 --> 00:41:05,800  
sacrificed virgin in the story is Ruby

953  
00:41:02,949 --> 00:41:09,309  
Shalem who became paralyzed two years

954  
00:41:05,800 --> 00:41:12,490  
that's right two years after she had her

955  
00:41:09,309 --> 00:41:14,679

Gardasil vaccination clear-cut cause and

956

00:41:12,489 --> 00:41:16,389

effect right there in the minds of those

957

00:41:14,679 --> 00:41:17,429

looking to make a buck from scaring

958

00:41:16,389 --> 00:41:20,230

people

959

00:41:17,429 --> 00:41:23,079

but here is what sacrificial virgins

960

00:41:20,230 --> 00:41:25,780

leaves out neurological conditions

961

00:41:23,079 --> 00:41:28,619

happen to teenage girls they always have

962

00:41:25,780 --> 00:41:31,390

and long before Gardasil came along

963

00:41:28,619 --> 00:41:33,579

large population studies have shown

964

00:41:31,389 --> 00:41:35,889

small numbers succumb to this strange

965

00:41:33,579 --> 00:41:38,108

affliction in the unvaccinated cohort

966

00:41:35,889 --> 00:41:41,230

just as much as they do in the

967

00:41:38,108 --> 00:41:44,049

vaccinated that is a big hole in the

968

00:41:41,230 --> 00:41:46,809

story they even admit it in the opening

969

00:41:44,050 --> 00:41:49,300

scenes of the film quote nobody knows

970  
00:41:46,809 --> 00:41:51,519  
exactly why ruby has developed this

971  
00:41:49,300 --> 00:41:54,250  
serious neurological damage after a

972  
00:41:51,519 --> 00:41:56,710  
healthy and active life end quote

973  
00:41:54,250 --> 00:41:59,590  
before proceeding to blame the HPV

974  
00:41:56,710 --> 00:42:03,280  
vaccine it's not journalism it's

975  
00:41:59,590 --> 00:42:05,619  
propaganda and this is why the Byron

976  
00:42:03,280 --> 00:42:08,650  
Shire will remain the lowest vaccinated

977  
00:42:05,619 --> 00:42:10,900  
Shire in the land many of the people who

978  
00:42:08,650 --> 00:42:13,570  
run the place awry the anti vaccine

979  
00:42:10,900 --> 00:42:15,910  
selves or pandering to their conspiracy

980  
00:42:13,570 --> 00:42:18,400  
loving voters while turning a blind eye

981  
00:42:15,909 --> 00:42:20,170  
to the fact the far north coast at nine

982  
00:42:18,400 --> 00:42:21,789  
times the rate of whooping cough last

983  
00:42:20,170 --> 00:42:24,550  
year then the neighboring health

984  
00:42:21,789 --> 00:42:26,500  
district two babies have died from

985  
00:42:24,550 --> 00:42:28,810  
whooping cough in the region as a result

986  
00:42:26,500 --> 00:42:30,969  
of the lack of herd immunity barely a

987  
00:42:28,809 --> 00:42:33,119  
week goes by without school sending a

988  
00:42:30,969 --> 00:42:36,088  
letter that yet another

989  
00:42:33,119 --> 00:42:39,568  
has whooping cough while David avocado

990  
00:42:36,088 --> 00:42:42,058  
Wolfe was having a cacao party in Mullen

991  
00:42:39,568 --> 00:42:44,130  
bimby last year a seven-year-old

992  
00:42:42,059 --> 00:42:46,440  
deliberately unvaccinated kid from

993  
00:42:44,130 --> 00:42:49,680  
nimbin was fighting for her life after

994  
00:42:46,440 --> 00:42:51,450  
getting tetanus and a week later a baby

995  
00:42:49,679 --> 00:42:53,038  
suffered a brain hemorrhage after his

996  
00:42:51,449 --> 00:42:56,788  
mother turned down the vitamin K

997  
00:42:53,039 --> 00:43:00,089  
injection at birth but hey Byron likes

998

00:42:56,789 --> 00:43:02,749  
to have difficult discussions so how

999  
00:43:00,088 --> 00:43:05,788  
about discussing how misinformation and

1000  
00:43:02,748 --> 00:43:20,759  
tacitly endorsing the spread of it is

1001  
00:43:05,789 --> 00:43:22,769  
killing kids hello listeners a maximum

1002  
00:43:20,759 --> 00:43:24,420  
fun I want to tell you about our newest

1003  
00:43:22,768 --> 00:43:26,518  
podcast that tells you all about the

1004  
00:43:24,420 --> 00:43:28,108  
truth of the Flat Earth have you been

1005  
00:43:26,518 --> 00:43:29,848  
looking out over the horizon and you've

1006  
00:43:28,108 --> 00:43:32,219  
been thinking wait a minute this doesn't

1007  
00:43:29,849 --> 00:43:34,920  
look round I've been lied to my whole

1008  
00:43:32,219 --> 00:43:39,719  
life what is NASA doing with fifty two

1009  
00:43:34,920 --> 00:43:43,200  
million dollars a day come on we explode

1010  
00:43:39,719 --> 00:43:44,909  
the myths just kidding we're oh no Ross

1011  
00:43:43,199 --> 00:43:47,399  
and Carrie and we investigate

1012  
00:43:44,909 --> 00:43:48,929

extraordinary claims that's right we

1013

00:43:47,400 --> 00:43:51,389

investigate extraordinary claims

1014

00:43:48,929 --> 00:43:53,278

firsthand we go undercover in fringe

1015

00:43:51,389 --> 00:43:55,379

groups we get alternative medicine

1016

00:43:53,278 --> 00:43:57,480

treatments and we hang out with people

1017

00:43:55,380 --> 00:43:59,640

who have unusual beliefs like flat

1018

00:43:57,480 --> 00:44:01,949

earthers 9/11 truthers we do ghost

1019

00:43:59,639 --> 00:44:03,748

investigations we've joined Scientology

1020

00:44:01,949 --> 00:44:06,629

and we got baptized in the Mormon Church

1021

00:44:03,748 --> 00:44:10,048

if it goes bump in the night then so do

1022

00:44:06,630 --> 00:44:13,910

we hmm why don't you check out oh no

1023

00:44:10,048 --> 00:44:13,909

Ross and Carrie and maximum fun org

1024

00:44:14,679 --> 00:44:18,569

[Music]

1025

00:44:23,320 --> 00:44:28,910

thank you for listening to the skeptic

1026

00:44:25,789 --> 00:44:31,039

zone coming up next week more of me not



1027  
00:44:28,909 --> 00:44:33,559  
talking to the animal experts in fact

1028  
00:44:31,039 --> 00:44:37,190  
that the his segment will be devoted to

1029  
00:44:33,559 --> 00:44:40,059  
his discussion about cats cat behavior

1030  
00:44:37,190 --> 00:44:42,769  
really interesting if you're a cat owner

1031  
00:44:40,059 --> 00:44:45,889  
you really want to hear this interview

1032  
00:44:42,769 --> 00:44:46,969  
about cat behavior and what you should

1033  
00:44:45,889 --> 00:44:48,799  
and shouldn't do

1034  
00:44:46,969 --> 00:44:52,039  
I certainly learned a lot with my two

1035  
00:44:48,800 --> 00:44:55,250  
cats where are they waiting outside the

1036  
00:44:52,039 --> 00:44:58,070  
door talking about cat behavior Mord

1037  
00:44:55,250 --> 00:45:01,849  
the smaller of the two Henrietta and

1038  
00:44:58,070 --> 00:45:05,269  
Maud wards are smaller as a wonderfully

1039  
00:45:01,849 --> 00:45:09,279  
fun habit normally fun of chasing her

1040  
00:45:05,269 --> 00:45:11,480  
toy mouse and then bringing it back and

1041  
00:45:09,280 --> 00:45:13,910  
clogging it at your feet waiting

1042  
00:45:11,480 --> 00:45:16,070  
meowing until you throw it down the

1043  
00:45:13,909 --> 00:45:19,159  
stairs she comes back

1044  
00:45:16,070 --> 00:45:21,590  
plunk sit at your feet meows and on and

1045  
00:45:19,159 --> 00:45:24,469  
on and on while Henrietta has the habit

1046  
00:45:21,590 --> 00:45:28,039  
of putting your paws up on the desk and

1047  
00:45:24,469 --> 00:45:30,859  
nudging you know me while I'm trying to

1048  
00:45:28,039 --> 00:45:33,829  
use the mouse so sometimes I end up

1049  
00:45:30,860 --> 00:45:37,130  
clicking on things I never meant to not

1050  
00:45:33,829 --> 00:45:39,230  
long now before the skeptic on here in

1051  
00:45:37,130 --> 00:45:40,910  
Sidney's and to those people who live

1052  
00:45:39,230 --> 00:45:42,800  
around the world we can't make it we'll

1053  
00:45:40,909 --> 00:45:45,529  
be doing our best certainly may not will

1054  
00:45:42,800 --> 00:45:48,050  
to be recording reports and interviews

1055

00:45:45,530 --> 00:45:50,330  
to play in the weeks following the

1056  
00:45:48,050 --> 00:45:54,350  
convention I noticed that the Australian

1057  
00:45:50,329 --> 00:45:56,480  
dollar is even lower going down against

1058  
00:45:54,349 --> 00:45:58,880  
the greenback and other major currencies

1059  
00:45:56,480 --> 00:46:01,070  
which may be a good excuse for you to

1060  
00:45:58,880 --> 00:46:04,210  
pitch in chip into the skeptic zone via

1061  
00:46:01,070 --> 00:46:07,460  
patreon or PayPal at skeptic zone TV

1062  
00:46:04,210 --> 00:46:09,559  
because your dollar goes further or your

1063  
00:46:07,460 --> 00:46:10,000  
pound or your yen or whatever the case

1064  
00:46:09,559 --> 00:46:12,469  
may be

1065  
00:46:10,000 --> 00:46:14,900  
Crona I wonder if there's a song about

1066  
00:46:12,469 --> 00:46:16,459  
all the world's currencies and I think

1067  
00:46:14,900 --> 00:46:18,320  
there's another afterthought somewhere

1068  
00:46:16,460 --> 00:46:21,199  
along the way but anyway for now this is

1069  
00:46:18,320 --> 00:46:23,680

Richard Saunders signing off from Sydney

1070

00:46:21,199 --> 00:46:23,679

Australia

1071

00:46:25,409 --> 00:46:31,618

you've been listening to the skeptic

1072

00:46:27,909 --> 00:46:36,609

zone podcast please visit our website at

1073

00:46:31,619 --> 00:46:38,590

WWDC be for show notes contacts and to

1074

00:46:36,610 --> 00:46:42,670

access the back catalogue of episodes

1075

00:46:38,590 --> 00:46:44,610

going back to 2008 you can follow the

1076

00:46:42,670 --> 00:46:48,099

skeptic zone podcast on twitter at

1077

00:46:44,610 --> 00:46:51,490

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1078

00:46:48,099 --> 00:46:54,400

leave a review on iTunes you can also

1079

00:46:51,489 --> 00:46:57,429

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1080

00:46:54,400 --> 00:47:00,099

PayPal the skeptic zone podcast is an

1081

00:46:57,429 --> 00:47:01,929

independent production reviews and

1082

00:47:00,099 --> 00:47:04,150

opinions expressed on the skeptic zone

1083

00:47:01,929 --> 00:47:06,699

are not necessarily those of Australian

1084  
00:47:04,150 --> 00:47:07,579  
skeptics or any other skeptical

1085  
00:47:06,699 --> 00:47:13,889  
organization

1086  
00:47:07,579 --> 00:47:13,889  
[Music]

1087  
00:47:19,059 --> 00:47:23,599  
hello people who listen after the music

1088  
00:47:21,469 --> 00:47:26,539  
I met the cafe Madame frou frou with

1089  
00:47:23,599 --> 00:47:32,929  
Cunha hello hi you're gonna help me play

1090  
00:47:26,539 --> 00:47:34,820  
the dice game since I didn't die there

1091  
00:47:32,929 --> 00:47:36,019  
I'm gonna roll it three times and we

1092  
00:47:34,820 --> 00:47:37,550  
have to guess what the numbers gonna

1093  
00:47:36,019 --> 00:47:38,989  
come up well you can roll it for

1094  
00:47:37,550 --> 00:47:41,120  
everybody actually they Rock

1095  
00:47:38,989 --> 00:47:43,029  
so you just shaking your hands everybody

1096  
00:47:41,119 --> 00:47:45,859  
at home and your car or walking the dog

1097  
00:47:43,030 --> 00:47:53,030  
it's a number from one to ten and roll

1098  
00:47:45,860 --> 00:47:55,430  
the dice and the number is number nine

1099  
00:47:53,030 --> 00:47:57,590  
number nine that's the first number so

1100  
00:47:55,429 --> 00:48:03,859  
everybody use your powers and here we go

1101  
00:47:57,590 --> 00:48:13,640  
next number is lucky number five number

1102  
00:48:03,860 --> 00:48:17,769  
five nine five and last one I began 955

1103  
00:48:13,639 --> 00:48:17,769  
yeah thank you welcome