

**The Skeptic Zone**  
**Show 309 - 21 Sept 2014**



**Jo Alabaster**

1  
00:00:22,450 --> 00:00:09,100  
welcome to the skeptic zone the podcast

2  
00:00:28,250 --> 00:00:25,010  
hello and welcome to the skeptics are an

3  
00:00:31,609 --> 00:00:28,260  
episode number 309 for the 21st to sep

4  
00:00:34,520 --> 00:00:31,619  
tember 2014 Richardson is here with you

5  
00:00:37,670 --> 00:00:34,530  
from Sydney Australia warming up yes

6  
00:00:42,200 --> 00:00:37,680  
Sydney Australia is warming up blossoms

7  
00:00:45,439 --> 00:00:42,210  
are blossoming on the trees and birds

8  
00:00:47,750 --> 00:00:45,449  
are singing and the mornings are getting

9  
00:00:50,630 --> 00:00:47,760  
earlier and earlier spring is coming and

10  
00:00:52,100 --> 00:00:50,640  
people are sneezing but you don't want a

11  
00:00:54,290 --> 00:00:52,110  
weather report you want to know what's

12  
00:00:56,390 --> 00:00:54,300  
coming up on this week's episode of the

13  
00:00:58,610 --> 00:00:56,400

skeptic zone we're going to kick off

14

00:01:01,280 --> 00:00:58,620

with joe alabaster evidence please with

15

00:01:04,040 --> 00:01:01,290

Joe alabaster an opinion piece she wrote

16

00:01:06,920 --> 00:01:04,050

called defending the lion the

17

00:01:09,530 --> 00:01:06,930

vulnerability of truth an interesting

18

00:01:11,930 --> 00:01:09,540

little opinion piece with Joe alabaster

19

00:01:13,789 --> 00:01:11,940

straight from her blog straight from her

20

00:01:19,399 --> 00:01:13,799

blog and of course there's a link to

21

00:01:21,440 --> 00:01:19,409

Joe's blog at wwc aiptek zone TV and the

22

00:01:23,750 --> 00:01:21,450

very nice picture of Joe to this week I

23

00:01:26,630 --> 00:01:23,760

think on the the cover of the skeptic

24

00:01:29,180 --> 00:01:26,640

zone after that it's our voiceover man

25

00:01:30,850 --> 00:01:29,190

this man welcome to the skeptic zone Jim

26

00:01:34,400 --> 00:01:30,860

will sure he's going to read a couple

27

00:01:37,040 --> 00:01:34,410

skeptical poems he wrote bachelor of

28

00:01:39,860 --> 00:01:37,050

science which is a fun poem and mostly

29

00:01:42,980 --> 00:01:39,870

ghostly sort of a spooky encounter

30

00:01:45,020 --> 00:01:42,990

ghostly sort of palm for skeptics and

31

00:01:46,730 --> 00:01:45,030

after that we read from the pages of the

32

00:01:48,470 --> 00:01:46,740

current skeptic magazine the journal

33

00:01:50,090 --> 00:01:48,480

from Australia skeptics which you hear

34

00:01:52,220 --> 00:01:50,100

advertised quite a lot on the skeptic

35

00:01:55,100 --> 00:01:52,230

zone because I think it's a pretty damn

36

00:01:57,230 --> 00:01:55,110

good magazine in the very latest issue

37

00:02:00,380 --> 00:01:57,240

in your post box now those lucky people

38

00:02:03,050 --> 00:02:00,390

who subscribe there's a piece by buzz

39

00:02:06,770 --> 00:02:03,060

Jen save life and this is called off the

40

00:02:10,369 --> 00:02:06,780

shelf off the shelf as in get off the

41

00:02:13,070 --> 00:02:10,379

shelf it's about visiting libraries

42

00:02:15,229 --> 00:02:13,080

having a look and seeing what sort of

43

00:02:17,740 --> 00:02:15,239

nonsense has invaded down the library

44

00:02:20,570 --> 00:02:17,750

system nonsense in the way of

45

00:02:23,360 --> 00:02:20,580

anti-vaccination books pure and london's

46

00:02:25,640 --> 00:02:23,370

folks pure nonsense an interesting now

47

00:02:28,520 --> 00:02:25,650

report and i think a good lesson for us

48

00:02:30,440 --> 00:02:28,530

all and another reason why you should

49

00:02:32,720 --> 00:02:30,450

subscribe to the the skeptic magazine

50

00:02:34,460 --> 00:02:32,730

lots of good articles lots of good

51

00:02:35,900 --> 00:02:34,470

advice are

52

00:02:37,790 --> 00:02:35,910

that it's a week in size for our good

53

00:02:40,310 --> 00:02:37,800

friends the Royal Institution of

54

00:02:42,440 --> 00:02:40,320

Australia and they're talking like a

55

00:02:44,780 --> 00:02:42,450

pirate this week haha and all that sort

56

00:02:46,700 --> 00:02:44,790

of thing then to round off the show it's

57

00:02:49,430 --> 00:02:46,710

an interview I did this week with ABC

58

00:02:51,860 --> 00:02:49,440

radio in Newcastle talking about the

59

00:02:53,930 --> 00:02:51,870

vaccination Chronicles and thank you

60

00:02:56,420 --> 00:02:53,940

thank you thank you thank you too may

61

00:02:58,850 --> 00:02:56,430

not our wonderful reporter Maynard who

62

00:03:01,400 --> 00:02:58,860

line that up good on your Maynard that's

63

00:03:04,040 --> 00:03:01,410

it was really good of you to do that and

64  
00:03:06,550 --> 00:03:04,050  
means thousands more people have heard

65  
00:03:09,020 --> 00:03:06,560  
about the vaccination chronicles video

66  
00:03:10,490 --> 00:03:09,030  
thanks may not it that's funny when I

67  
00:03:13,550 --> 00:03:10,500  
woke up this morning my voice was a

68  
00:03:17,690 --> 00:03:13,560  
pretty good maybe maybe i've got a touch

69  
00:03:20,440 --> 00:03:17,700  
of the old am hay fever sort of I don't

70  
00:03:25,130 --> 00:03:20,450  
know I better run downstairs have that

71  
00:03:27,410 --> 00:03:25,140  
honey and lemon mix and a curry and

72  
00:03:47,320 --> 00:03:27,420  
maybe some marshmallows while I'm doing

73  
00:03:57,850 --> 00:03:49,840  
what we want is some more evidence

74  
00:04:04,200 --> 00:03:57,860  
please is Joe alabaster hello this is

75  
00:04:11,470 --> 00:04:06,940  
defending the lion the vulnerability of

76

00:04:13,960 --> 00:04:11,480

truth the truth is like a lion you don't

77

00:04:16,870 --> 00:04:13,970

have to defend it that at loose it will

78

00:04:19,210 --> 00:04:16,880

defend itself this quote attributed to

79

00:04:21,780 --> 00:04:19,220

San Agustin has been doing the rounds as

80

00:04:23,770 --> 00:04:21,790

an inspirational meme for some time

81

00:04:26,320 --> 00:04:23,780

occasionally it'll pop up on one of my

82

00:04:28,480 --> 00:04:26,330

social media streams posted by somebody

83

00:04:31,450 --> 00:04:28,490

who I assume has faith that fact will

84

00:04:33,640 --> 00:04:31,460

prevail in the face of falsehood and of

85

00:04:35,650 --> 00:04:33,650

course I certainly hope that a will but

86

00:04:39,040 --> 00:04:35,660

I disagree strongly with San Agustin

87

00:04:40,840 --> 00:04:39,050

sentiment based on my observations I

88

00:04:42,700 --> 00:04:40,850

believe that the line of this metaphor

89

00:04:45,760 --> 00:04:42,710

is vulnerable and that we do need to

90

00:04:48,340 --> 00:04:45,770

fight to defend it ethical truths which

91

00:04:49,900 --> 00:04:48,350

are highly subjective and as such it's

92

00:04:52,270 --> 00:04:49,910

highly debatable whether they're in deep

93

00:04:54,700 --> 00:04:52,280

truths at all do not defend themselves

94

00:04:56,920 --> 00:04:54,710

if they did surely have not been

95

00:04:58,420 --> 00:04:56,930

repulsed by honor killings as those who

96

00:05:00,550 --> 00:04:58,430

commit them about having in a manner

97

00:05:02,920 --> 00:05:00,560

according to the ethical truth which I

98

00:05:04,540 --> 00:05:02,930

find indefensible that bringing dishonor

99

00:05:07,120 --> 00:05:04,550

to one's family is a greater crime than

100

00:05:09,790 --> 00:05:07,130

murdering them would not have an

101  
00:05:11,950 --> 00:05:09,800  
anti-abortion / pro-choice debate nor a

102  
00:05:14,920 --> 00:05:11,960  
euthanasia debate nor disagreements

103  
00:05:16,990 --> 00:05:14,930  
regarding the death penalty if ethical

104  
00:05:19,830 --> 00:05:17,000  
truths could defend themselves should

105  
00:05:22,330 --> 00:05:19,840  
they not convince us all of their merit

106  
00:05:24,610 --> 00:05:22,340  
likewise logical truths are not agreed

107  
00:05:26,909 --> 00:05:24,620  
upon by all be it through a lack of

108  
00:05:29,580 --> 00:05:26,919  
exploration or exposure to concepts

109  
00:05:33,460 --> 00:05:29,590  
alternate well argued conclusions or

110  
00:05:36,130 --> 00:05:33,470  
cognitive dissonance the clearest of all

111  
00:05:38,290 --> 00:05:36,140  
truths to factual truths backed by solid

112  
00:05:40,960 --> 00:05:38,300  
evidence are still vulnerable to

113  
00:05:44,430 --> 00:05:40,970

falsehoods some of which when taken as

114

00:05:47,409 --> 00:05:44,440

truth present real risks to our society

115

00:05:49,390 --> 00:05:47,419

the truth that vaccination is the safest

116

00:05:50,440 --> 00:05:49,400

and most effective means by which we can

117

00:05:52,900 --> 00:05:50,450

protect ourselves from

118

00:05:54,520 --> 00:05:52,910

vaccine-preventable diseases and that

119

00:05:56,920 --> 00:05:54,530

these diseases are a real threat to

120

00:05:58,420 --> 00:05:56,930

human health and life is continually

121

00:06:00,940 --> 00:05:58,430

under attack from anti-vaccination

122

00:06:02,880 --> 00:06:00,950

advocates and to some in our community

123

00:06:05,290 --> 00:06:02,890

the anti-vaxxers can be persuasive

124

00:06:07,150 --> 00:06:05,300

resulting in both danger to individuals

125

00:06:10,450 --> 00:06:07,160

health and lowered herd immunity in our

126  
00:06:12,190 --> 00:06:10,460  
communities as such i funded imperative

127  
00:06:14,140 --> 00:06:12,200  
that vaccination advocates defend the

128  
00:06:15,999 --> 00:06:14,150  
truth and I'm honored to know many

129  
00:06:19,329 --> 00:06:16,009  
people who spend a lot of their time in

130  
00:06:21,219 --> 00:06:19,339  
are you doing just that likewise

131  
00:06:22,570 --> 00:06:21,229  
fluoridation of our water supplier is

132  
00:06:24,579 --> 00:06:22,580  
the safe way to ensure that our

133  
00:06:27,339 --> 00:06:24,589  
populations dental health is maintained

134  
00:06:30,730 --> 00:06:27,349  
but anti fluoridation activists believe

135  
00:06:32,439 --> 00:06:30,740  
differently not only are these activists

136  
00:06:34,929 --> 00:06:32,449  
able to convince individuals with their

137  
00:06:37,540 --> 00:06:34,939  
rhetoric they can also influence policy

138  
00:06:39,429 --> 00:06:37,550

to the extent that entire regions remove

139

00:06:42,399 --> 00:06:39,439

fluoride from their water supply as a

140

00:06:44,469 --> 00:06:42,409

result of their campaigning in this case

141

00:06:48,070 --> 00:06:44,479

to maintain evidence-based Public Health

142

00:06:50,110 --> 00:06:48,080

Policy we must defend the truth the

143

00:06:52,899 --> 00:06:50,120

truths that fringe conspiracy theorists

144

00:06:55,480 --> 00:06:52,909

deny that the moon landing occurred that

145

00:06:57,399 --> 00:06:55,490

chem trails and merely contrails that

146

00:06:59,200 --> 00:06:57,409

the reptilians or Illuminati though

147

00:07:02,379 --> 00:06:59,210

probably aren't controlling the wall

148

00:07:04,329 --> 00:07:02,389

behind the scenes valuably cause less

149

00:07:05,950 --> 00:07:04,339

harm to communities and relatively

150

00:07:07,959 --> 00:07:05,960

little to the individuals who believe

151  
00:07:09,670 --> 00:07:07,969  
them the moon landing hoax sir who

152  
00:07:12,549 --> 00:07:09,680  
handed Buzz Aldrin one too many times

153  
00:07:14,499 --> 00:07:12,559  
and got punched aside but they do cervix

154  
00:07:16,989 --> 00:07:14,509  
examples of situations in which the

155  
00:07:19,239 --> 00:07:16,999  
truth is not defending itself I'm

156  
00:07:21,249 --> 00:07:19,249  
inclined to spend less time defending

157  
00:07:22,869 --> 00:07:21,259  
these truths though I do tend to take

158  
00:07:24,610 --> 00:07:22,879  
issue with the conspiracy theorists

159  
00:07:28,029 --> 00:07:24,620  
undermining of rational evidence-based

160  
00:07:29,709 --> 00:07:28,039  
thinking it's probable that sin

161  
00:07:32,139 --> 00:07:29,719  
Augustine was referring to the biblical

162  
00:07:34,089 --> 00:07:32,149  
truth in which he believed that the

163  
00:07:36,969 --> 00:07:34,099

truth of his God would prevail without

164

00:07:39,219 --> 00:07:36,979

his defense clearly at this point in

165

00:07:41,259 --> 00:07:39,229

human history it's not given the wide

166

00:07:43,480 --> 00:07:41,269

array of beliefs and lack thereof held

167

00:07:47,100 --> 00:07:43,490

by the people of this planet his

168

00:07:49,600 --> 00:07:47,110

biblical truth is not defending itself

169

00:07:52,540 --> 00:07:49,610

we humans are capable of manipulating

170

00:07:55,570 --> 00:07:52,550

our world both with concepts and with

171

00:07:57,820 --> 00:07:55,580

actions both metaphorically and in

172

00:08:00,309 --> 00:07:57,830

reality we rented the line vulnerable

173

00:08:03,429 --> 00:08:00,319

and it relies on our protection if it is

174

00:08:04,719 --> 00:08:03,439

to prevail the benefits of defending the

175

00:08:06,790 --> 00:08:04,729

line and whether we have a moral

176

00:08:10,299 --> 00:08:06,800

imperative to do so a truth to be

177

00:08:13,179 --> 00:08:10,309

explored ethically logically and

178

00:08:15,429 --> 00:08:13,189

factually it's an orca stands truth that

179

00:08:28,610 --> 00:08:15,439

the truth can defend itself does not

180

00:08:36,320 --> 00:08:32,370

hey Kenny oh hi Tom I say a this Park

181

00:08:38,730 --> 00:08:36,330

yeah yes great weather oh look a unicorn

182

00:08:41,910 --> 00:08:38,740

unicorn there are no such things as

183

00:08:44,100 --> 00:08:41,920

unicorns silly yes there is no there

184

00:08:47,220 --> 00:08:44,110

isn't hey guys what are you arguing

185

00:08:49,380 --> 00:08:47,230

about tom thinks unicorns are real hey

186

00:08:52,470 --> 00:08:49,390

so are let's look this up in the

187

00:08:54,240 --> 00:08:52,480

skeptics dictionary now what how can we

188

00:08:55,920 --> 00:08:54,250

do this in this bar there is the

189

00:08:57,630 --> 00:08:55,930

computer here you guys probably don't

190

00:09:00,720 --> 00:08:57,640

know about the skeptics dictionary app

191

00:09:04,650 --> 00:09:00,730

available now for iPhone iPad and iPod

192

00:09:06,180 --> 00:09:04,660

touch in the app store Wow cool the app

193

00:09:08,400 --> 00:09:06,190

lets you access all of the great

194

00:09:10,980 --> 00:09:08,410

skeptics dictionary articles when you're

195

00:09:13,710 --> 00:09:10,990

on the go here let me look up unicorns

196

00:09:16,230 --> 00:09:13,720

sound cool Kenny prepare to be proven

197

00:09:20,370 --> 00:09:16,240

wrong it says here the Unicorn is a

198

00:09:21,630 --> 00:09:20,380

creature from fables aha actually I see

199

00:09:24,240 --> 00:09:21,640

now that someone just dumped their ice

200

00:09:29,850 --> 00:09:24,250

cream cone on that horse's head thanks

201  
00:09:32,520 --> 00:09:29,860  
skeptics dictionary iphone app bachelor

202  
00:09:34,770 --> 00:09:32,530  
of science you're a bachelor of science

203  
00:09:36,930 --> 00:09:34,780  
so I guess that means you know how to

204  
00:09:39,270 --> 00:09:36,940  
constantly keep in touch with those who

205  
00:09:41,630 --> 00:09:39,280  
have to go and have a summon up their

206  
00:09:45,150 --> 00:09:41,640  
spirits if they're slightly willing and

207  
00:09:48,060 --> 00:09:45,160  
speak to the dead why that really is

208  
00:09:51,180 --> 00:09:48,070  
quite thrilling does this gift which you

209  
00:09:53,460 --> 00:09:51,190  
have meme you could talk to pits and do

210  
00:09:55,800 --> 00:09:53,470  
you do it by the ether or through the

211  
00:09:59,160 --> 00:09:55,810  
media admits could you get in contact

212  
00:10:01,830 --> 00:09:59,170  
say with my dear departed cat for having

213  
00:10:05,070 --> 00:10:01,840

been once run over is that the end of

214

00:10:07,290 --> 00:10:05,080

that and what about my dog do you think

215

00:10:09,770 --> 00:10:07,300

you'd hear him bark from that big doggy

216

00:10:12,150 --> 00:10:09,780

playground the dead dog departed park

217

00:10:14,460 --> 00:10:12,160

having made a connection could I be

218

00:10:17,250 --> 00:10:14,470

absolutely sure that the doggy were

219

00:10:19,320 --> 00:10:17,260

communing was the pet I'm pining for I'm

220

00:10:21,810 --> 00:10:19,330

worried about the chance of the wrong

221

00:10:24,270 --> 00:10:21,820

contact being made that you might get a

222

00:10:26,040 --> 00:10:24,280

canine with which I never played but

223

00:10:28,620 --> 00:10:26,050

someone else's pet which would

224

00:10:32,460 --> 00:10:28,630

madsen to my call or perish the thought

225

00:10:35,280 --> 00:10:32,470

you'd get no dead dog Sol at all now I

226

00:10:37,949 --> 00:10:35,290

might just have to wait until I joined I

227

00:10:41,190 --> 00:10:37,959

passed on pets it seems you might be

228

00:10:43,980 --> 00:10:41,200

trying to lay off my psychic bits and as

229

00:10:46,530 --> 00:10:43,990

for my parents where although you have

230

00:10:49,079 --> 00:10:46,540

that ticket I think the school was

231

00:10:56,819 --> 00:10:49,089

falling so you know where you can stick

232

00:10:58,920 --> 00:10:56,829

it Mostly Ghostly there's something

233

00:11:02,190 --> 00:10:58,930

lurking in the shadows hey are you a

234

00:11:05,550 --> 00:11:02,200

Ghost a soul departed or maybe you're an

235

00:11:08,519 --> 00:11:05,560

angel looking for a host this time there

236

00:11:11,190 --> 00:11:08,529

was an answer when windows started to

237

00:11:14,579 --> 00:11:11,200

rattle the table rows then crashed to

238

00:11:16,889 --> 00:11:14,589

the floor and we were set for battle the

239

00:11:20,160 --> 00:11:16,899

cameras word as the ghost appeared in

240

00:11:23,490 --> 00:11:20,170

the cold air there would bony fingers

241

00:11:26,220 --> 00:11:23,500

bold knuckles craggy face and straggly

242

00:11:30,329 --> 00:11:26,230

hair eyes set back deep in their sockets

243

00:11:33,389 --> 00:11:30,339

tearing stark raving mad would this be a

244

00:11:36,480 --> 00:11:33,399

clash of violent wills could this be

245

00:11:38,639 --> 00:11:36,490

really bad never had I seen such a

246

00:11:40,680 --> 00:11:38,649

visual trick as this site I saw before

247

00:11:43,380 --> 00:11:40,690

me if it was a trick with smoke and

248

00:11:46,139 --> 00:11:43,390

mirrors but nothing didn't show me just

249

00:11:48,810 --> 00:11:46,149

a realistic site of an unrealistic thing

250

00:11:50,910 --> 00:11:48,820

a ghost from the dead and I tried to

251  
00:11:54,750 --> 00:11:50,920  
think what I'd eaten that put chemicals

252  
00:11:57,540 --> 00:11:54,760  
in my head it spoke in a feeble scratchy

253  
00:11:59,579 --> 00:11:57,550  
voice and I hardly heard a word my heart

254  
00:12:01,949 --> 00:11:59,589  
pounding they on my choice was all I

255  
00:12:04,350 --> 00:12:01,959  
really heard and the table started

256  
00:12:07,650 --> 00:12:04,360  
trembling and it danced across the floor

257  
00:12:11,160 --> 00:12:07,660  
as the ghost looked straight at me so he

258  
00:12:14,400 --> 00:12:11,170  
could see what I was for find my corpse

259  
00:12:17,220 --> 00:12:14,410  
find my dead body his words scratched

260  
00:12:20,130 --> 00:12:17,230  
the air and I looked into his eyes where

261  
00:12:23,370 --> 00:12:20,140  
I got trapped inside his stare I'm

262  
00:12:26,370 --> 00:12:23,380  
asking for help from you and unbeliever

263  
00:12:30,389 --> 00:12:26,380

he wheezed you must help me find my body

264

00:12:32,910 --> 00:12:30,399

and I felt my body squeezed could this

265

00:12:35,430 --> 00:12:32,920

really be a disconnected spirit from

266

00:12:38,260 --> 00:12:35,440

beyond the real I tried to convince

267

00:12:40,570 --> 00:12:38,270

myself that I couldn't see or hear or

268

00:12:44,320 --> 00:12:40,580

eel but it was as though I could see

269

00:12:47,980 --> 00:12:44,330

into his brain and he mine and the cold

270

00:12:50,920 --> 00:12:47,990

concept sent cold shivers up and down my

271

00:12:53,650 --> 00:12:50,930

spine his look bought its way to the

272

00:12:56,620 --> 00:12:53,660

back of my skull through my eyes and I

273

00:12:59,890 --> 00:12:56,630

saw his naked soul stripped of life of

274

00:13:02,380 --> 00:12:59,900

truth and of lies then his tenuous grip

275

00:13:05,130 --> 00:13:02,390

on my world started to slowly loosen

276

00:13:09,130 --> 00:13:05,140

hold and the room was sucked of light

277

00:13:11,770 --> 00:13:09,140

without light was cold this glorious

278

00:13:14,320 --> 00:13:11,780

apparition was disintegrating fading

279

00:13:16,920 --> 00:13:14,330

with his hope going back to the world

280

00:13:19,740 --> 00:13:16,930

between worlds sliding down the slope

281

00:13:24,300 --> 00:13:19,750

disappearing as he had appeared and

282

00:13:28,090 --> 00:13:24,310

vanishing from my mind until a strange

283

00:13:35,260 --> 00:13:28,100

uneasy feeling was the sole thing he

284

00:13:40,520 --> 00:13:38,390

ad hominem begging the question factoid

285

00:13:42,650 --> 00:13:40,530

propagation false analogy false cause

286

00:13:44,480 --> 00:13:42,660

false dichotomy gibberish immunized

287

00:13:45,980 --> 00:13:44,490

hypothesis moral equivalence poison the

288

00:13:48,620 --> 00:13:45,990

well simple modern certitude stacking

289

00:13:50,570 --> 00:13:48,630

the deck and WTF are just some of the

290

00:13:53,090 --> 00:13:50,580

fallacies we provide real life examples

291

00:13:56,750 --> 00:13:53,100

of in hunting humbug 101 a podcast about

292

00:14:23,850 --> 00:13:56,760

bad arguments check it out at [www.viki](http://www.viki)

293

00:14:31,960 --> 00:14:26,980

from the pages of the skeptic volume 34

294

00:14:36,190 --> 00:14:31,970

number 3 september 2014 off the shelf

295

00:14:38,350 --> 00:14:36,200

by buzz Jen sapling audience la visited

296

00:14:41,860 --> 00:14:38,360

his local library and didn't like what

297

00:14:44,740 --> 00:14:41,870

he saw and said so nothing seems to whip

298

00:14:46,510 --> 00:14:44,750

people up into a rabid frenzy like a

299

00:14:48,880 --> 00:14:46,520

good old conversation around

300

00:14:50,920 --> 00:14:48,890

vaccinations I have an old schoolmate

301  
00:14:53,710 --> 00:14:50,930  
who happens to be a medical doctor on

302  
00:14:56,320 --> 00:14:53,720  
the Queensland sunshine coast on the

303  
00:14:57,850 --> 00:14:56,330  
first of April no joke intended an

304  
00:14:59,800 --> 00:14:57,860  
article about anti-vaccination

305  
00:15:03,190 --> 00:14:59,810  
literature appeared in the sunshine

306  
00:15:05,890 --> 00:15:03,200  
coast daily anti-vaccination books in

307  
00:15:08,530 --> 00:15:05,900  
library anger doctors my friend dr.

308  
00:15:11,140 --> 00:15:08,540  
david mcintosh reported to his local

309  
00:15:13,540 --> 00:15:11,150  
council that there was in fact an

310  
00:15:15,700 --> 00:15:13,550  
anti-vaccination propaganda being freely

311  
00:15:18,190 --> 00:15:15,710  
distributed in the health and well-being

312  
00:15:20,320 --> 00:15:18,200  
section of his local library in

313  
00:15:22,350 --> 00:15:20,330

particular literature that suggested a

314

00:15:25,330 --> 00:15:22,360

link between vaccinations and autism

315

00:15:27,940 --> 00:15:25,340

after several letters expressing concern

316

00:15:30,070 --> 00:15:27,950

over the material being available and

317

00:15:32,050 --> 00:15:30,080

despite the Sunshine Coast having some

318

00:15:34,630 --> 00:15:32,060

of the country's lowest vaccination

319

00:15:37,750 --> 00:15:34,640

rates the council cited freedom of

320

00:15:40,450 --> 00:15:37,760

speech and good old two sides to every

321

00:15:41,890 --> 00:15:40,460

debate as a reason for its decision

322

00:15:45,310 --> 00:15:41,900

following is a copy of the

323

00:15:48,340 --> 00:15:45,320

correspondence to the council dear meron

324

00:15:49,870 --> 00:15:48,350

councillors of the Sunshine Coast I wish

325

00:15:51,790 --> 00:15:49,880

to draw your attention to several

326

00:15:54,010 --> 00:15:51,800

libraries under the auspices of the

327

00:15:56,170 --> 00:15:54,020

council that have books on their shells

328

00:15:58,780 --> 00:15:56,180

that contain misinformation about

329

00:16:01,120 --> 00:15:58,790

vaccinations of concern is that there is

330

00:16:03,250 --> 00:16:01,130

content suggesting vaccinations cause of

331

00:16:05,500 --> 00:16:03,260

autism I have drawn this to the

332

00:16:08,020 --> 00:16:05,510

attention of the library services and to

333

00:16:10,420 --> 00:16:08,030

their credit they have elected to defend

334

00:16:13,120 --> 00:16:10,430

the right of free speech this is at the

335

00:16:15,160 --> 00:16:13,130

expense of accuracy though it is my

336

00:16:17,950 --> 00:16:15,170

suggestion that open discussion of

337

00:16:19,840 --> 00:16:17,960

topics of all types is to be committed

338

00:16:21,700 --> 00:16:19,850

with given we have one of the lowest

339

00:16:24,340 --> 00:16:21,710

vaccination rates of children in

340

00:16:25,930 --> 00:16:24,350

Australia it seems inappropriate that

341

00:16:27,260 --> 00:16:25,940

council would tesson tie approve

342

00:16:29,600 --> 00:16:27,270

conspiracy theory

343

00:16:32,000 --> 00:16:29,610

literature that result in compromised

344

00:16:34,160 --> 00:16:32,010

children's health the mere fact that

345

00:16:36,410 --> 00:16:34,170

such literature can be existed in public

346

00:16:38,840 --> 00:16:36,420

library can only serve to support the

347

00:16:41,390 --> 00:16:38,850

notion that anti-vaccination stances are

348

00:16:43,250 --> 00:16:41,400

supported which would seem contrary to

349

00:16:46,550 --> 00:16:43,260

the role of a responsible government

350

00:16:49,220 --> 00:16:46,560

body I would seek to implore counsel to

351  
00:16:51,230 --> 00:16:49,230  
take a leadership role in assessing the

352  
00:16:54,530 --> 00:16:51,240  
accuracy of literature it makes

353  
00:16:57,890 --> 00:16:54,540  
available its shells when it comes to

354  
00:17:00,380 --> 00:16:57,900  
such an important topic and implement a

355  
00:17:02,920 --> 00:17:00,390  
review of policy regarding this

356  
00:17:05,240 --> 00:17:02,930  
particular topic this got me thinking

357  
00:17:07,130 --> 00:17:05,250  
are there these kinds of things

358  
00:17:09,800 --> 00:17:07,140  
happening in the Australian Capital

359  
00:17:12,760 --> 00:17:09,810  
Territory public library of course there

360  
00:17:15,410 --> 00:17:12,770  
are although not as many as I had feared

361  
00:17:17,980 --> 00:17:15,420  
but what they did have was what I

362  
00:17:21,650 --> 00:17:17,990  
considered to be some of the worst I

363  
00:17:24,740 --> 00:17:21,660

found vaccination roulette written by

364

00:17:28,700 --> 00:17:24,750

none other than the former avian now AV

365

00:17:30,260 --> 00:17:28,710

SN I did my best to try and read it it

366

00:17:33,140 --> 00:17:30,270

was hard going the book is filled with

367

00:17:35,240 --> 00:17:33,150

the expected anecdotal evidence and

368

00:17:37,850 --> 00:17:35,250

lashings of victory or misinformation

369

00:17:40,970 --> 00:17:37,860

and loads of cherry-picking statistics

370

00:17:43,730 --> 00:17:40,980

and evidence not to mention a quote from

371

00:17:45,140 --> 00:17:43,740

Gandhi in the introduction i also found

372

00:17:48,050 --> 00:17:45,150

another book which was rather more

373

00:17:51,440 --> 00:17:48,060

subtle with its auntie vax message

374

00:17:54,080 --> 00:17:51,450

called vaccinations thoughtful parents

375

00:17:56,540 --> 00:17:54,090

guide it is written by aviva jill rum

376

00:17:59,720 --> 00:17:56,550

the following is a blurb on the jacket

377

00:18:01,370 --> 00:17:59,730

of the book deciding whether or went to

378

00:18:04,280 --> 00:18:01,380

vaccinate a child is one of the most

379

00:18:06,140 --> 00:18:04,290

important now most difficult health care

380

00:18:07,820 --> 00:18:06,150

decisions a parent will ever make the

381

00:18:10,130 --> 00:18:07,830

recent increase in the number of

382

00:18:12,200 --> 00:18:10,140

vaccinations recommended any concurrent

383

00:18:14,900 --> 00:18:12,210

controversies about whether vaccinations

384

00:18:17,050 --> 00:18:14,910

are safe or even effective have left

385

00:18:19,760 --> 00:18:17,060

many parents confused and concerned

386

00:18:22,400 --> 00:18:19,770

Midwife herbalist and mother of four

387

00:18:24,530 --> 00:18:22,410

Bohemond you're wrong sifts through this

388

00:18:27,110 --> 00:18:24,540

made of current research on magazine

389

00:18:29,540 --> 00:18:27,120

safety and efficacy and offers a

390

00:18:31,790 --> 00:18:29,550

sensible balanced discussion on the pros

391

00:18:33,240 --> 00:18:31,800

and cons of each routine childhood

392

00:18:35,280 --> 00:18:33,250

vaccinations

393

00:18:37,050 --> 00:18:35,290

she presents the full spectrum of

394

00:18:38,850 --> 00:18:37,060

options available to parents for

395

00:18:41,580 --> 00:18:38,860

vaccinations on the standardized or

396

00:18:44,060 --> 00:18:41,590

individualized schedule selective

397

00:18:46,050 --> 00:18:44,070

vaccination or no vaccinations at all

398

00:18:48,330 --> 00:18:46,060

negotiating daycare and school

399

00:18:50,640 --> 00:18:48,340

requirements dealing with other parents

400

00:18:52,590 --> 00:18:50,650

and traveling with an unvaccinated child

401  
00:18:55,200 --> 00:18:52,600  
are all covered in detail the book also

402  
00:18:57,630 --> 00:18:55,210  
suggests ways to strengthen children's

403  
00:18:59,610 --> 00:18:57,640  
of mere systems and maintain optimal

404  
00:19:03,080 --> 00:18:59,620  
health and offers verbal and fermion

405  
00:19:05,460 --> 00:19:03,090  
pathak remedies for childhood ailments

406  
00:19:07,710 --> 00:19:05,470  
emphasizing that no single approach is

407  
00:19:10,260 --> 00:19:07,720  
appropriate for every child the other

408  
00:19:13,260 --> 00:19:10,270  
guys parents as they make the choices

409  
00:19:15,030 --> 00:19:13,270  
that are right for their child my next

410  
00:19:17,970 --> 00:19:15,040  
step was to contact the manager of

411  
00:19:21,000 --> 00:19:17,980  
collection services national and state

412  
00:19:22,740 --> 00:19:21,010  
libraries Australia Matthew Bareilles to

413  
00:19:25,260 --> 00:19:22,750

discuss my concerns regarding these

414

00:19:27,900 --> 00:19:25,270

books well I stated I was not a fan of

415

00:19:30,030 --> 00:19:27,910

copyright I also felt that the

416

00:19:32,400 --> 00:19:30,040

information in the avn book had been

417

00:19:34,170 --> 00:19:32,410

proven to be fraudulent and there was a

418

00:19:37,230 --> 00:19:34,180

very real possibility of that

419

00:19:39,540 --> 00:19:37,240

information harming children I stated

420

00:19:41,640 --> 00:19:39,550

that this topic didn't have two sides to

421

00:19:44,280 --> 00:19:41,650

argue as the overwhelming scientific

422

00:19:47,490 --> 00:19:44,290

evidence was in favor of vaccination I

423

00:19:50,130 --> 00:19:47,500

also told him of the recent warning that

424

00:19:52,290 --> 00:19:50,140

had been issued by the H Triple C in

425

00:19:55,920 --> 00:19:52,300

relation to the information and in

426  
00:19:58,830 --> 00:19:55,930  
particular to the avs ends website and

427  
00:20:01,590 --> 00:19:58,840  
the information had provided he agreed

428  
00:20:03,780 --> 00:20:01,600  
that from time to time books needed to

429  
00:20:05,370 --> 00:20:03,790  
be reviewed this was particularly so

430  
00:20:08,430 --> 00:20:05,380  
with those found in the health

431  
00:20:09,570 --> 00:20:08,440  
well-being and science categories so as

432  
00:20:12,030 --> 00:20:09,580  
to keep up-to-date with current

433  
00:20:13,830 --> 00:20:12,040  
scientific opinion he said he would

434  
00:20:16,860 --> 00:20:13,840  
reserve the books which he did and

435  
00:20:19,860 --> 00:20:16,870  
review them in good time and respond to

436  
00:20:22,200 --> 00:20:19,870  
me with his findings I also enlisted the

437  
00:20:24,810 --> 00:20:22,210  
Canberra skeptics lend a hand Amanda

438  
00:20:27,150 --> 00:20:24,820

Davao has been making queries on behalf

439

00:20:30,000 --> 00:20:27,160

of the Canberra skeptics and I thank

440

00:20:32,790 --> 00:20:30,010

them greatly for their support in this

441

00:20:34,800 --> 00:20:32,800

matter the end result in my endeavors

442

00:20:37,380 --> 00:20:34,810

has been the removal of this particular

443

00:20:42,000 --> 00:20:37,390

book from the a.c.t Public Library

444

00:20:44,130 --> 00:20:42,010

System much the howls of the Avs n I was

445

00:20:47,039 --> 00:20:44,140

also informed that this book may well

446

00:20:49,080 --> 00:20:47,049

have been donated and placed on the show

447

00:20:52,799 --> 00:20:49,090

perhaps by someone sympathetic to the

448

00:20:54,749 --> 00:20:52,809

avs n as I was assured that this was not

449

00:20:57,330 --> 00:20:54,759

the sort of book the library would be

450

00:21:01,229 --> 00:20:57,340

interested in purchasing or placing on

451  
00:21:03,180 --> 00:21:01,239  
it's shelves since the Avs end and or

452  
00:21:05,279 --> 00:21:03,190  
its supporters found out I was

453  
00:21:07,200 --> 00:21:05,289  
responsible for this action I have been

454  
00:21:10,470 --> 00:21:07,210  
attacked on Facebook and likened to

455  
00:21:13,019 --> 00:21:10,480  
Hitler as the Avs end has suggested that

456  
00:21:16,590 --> 00:21:13,029  
we are burning books just like the Nazi

457  
00:21:18,869 --> 00:21:16,600  
Party the Avs n also suggested that it

458  
00:21:21,659 --> 00:21:18,879  
would be petitioning to get the book

459  
00:21:23,399 --> 00:21:21,669  
back on the shelves however to date

460  
00:21:25,499 --> 00:21:23,409  
there has been no record of any books

461  
00:21:27,899 --> 00:21:25,509  
being received and they are not found

462  
00:21:29,580 --> 00:21:27,909  
when doing a catalog search I was

463  
00:21:31,889 --> 00:21:29,590

willing to concede to have the book

464

00:21:34,080 --> 00:21:31,899

simply move to a section other than the

465

00:21:36,359 --> 00:21:34,090

health or well-being section with the

466

00:21:39,239 --> 00:21:36,369

library manager was the one who decided

467

00:21:41,039 --> 00:21:39,249

to remove it not me in the end I feel

468

00:21:43,799 --> 00:21:41,049

that this was the best result I could

469

00:21:45,509 --> 00:21:43,809

have hoped for but as I have said there

470

00:21:48,599 --> 00:21:45,519

are still plenty of anti-vaccination

471

00:21:51,509 --> 00:21:48,609

books out there and it pays to always be

472

00:21:53,070 --> 00:21:51,519

vigilant I suggest that everyone should

473

00:21:55,529 --> 00:21:53,080

perhaps take a visit to their local

474

00:21:57,659 --> 00:21:55,539

library and take a look on the health

475

00:21:59,999 --> 00:21:57,669

and well-being shelves you might be

476

00:22:02,249 --> 00:22:00,009

surprised at what do you find about the

477

00:22:24,630 --> 00:22:02,259

orphan boss gents our play is now at an

478

00:22:29,830 --> 00:22:28,180

hi I'm audit oh yeah Kristen or evil

479

00:22:31,510 --> 00:22:29,840

tips advice on logic lifted all the

480

00:22:33,100 --> 00:22:31,520

skeptics own um skip the comedian more

481

00:22:34,660 --> 00:22:33,110

again that feels much can prob get up

482

00:22:36,250 --> 00:22:34,670

early for podcast over and against

483

00:22:38,260 --> 00:22:36,260

capsis river- like if I'm ever after

484

00:22:40,240 --> 00:22:38,270

this match since ralph i skipped assist

485

00:22:42,250 --> 00:22:40,250

off and loop or hyper versus the deep

486

00:22:43,900 --> 00:22:42,260

plan architecture and calendar or escape

487

00:22:45,010 --> 00:22:43,910

this car together or linked you till i

488

00:22:46,690 --> 00:22:45,020

will escape this guild association

489

00:22:48,130 --> 00:22:46,700

escapes the slogan of authority and lay

490

00:22:50,860 --> 00:22:48,140

all the discs aters hefty pass caps is

491

00:22:54,370 --> 00:22:50,870

for domestic in eau de yourself skips a

492

00:22:56,230 --> 00:22:54,380

stop hello hello I'm moderate and I'm

493

00:22:58,150 --> 00:22:56,240

Kristin and we want to let you know that

494

00:23:00,070 --> 00:22:58,160

there are lots of Norwegian skeptics for

495

00:23:01,840 --> 00:23:00,080

you to get to know their blogs and

496

00:23:03,610 --> 00:23:01,850

permits and a podcast and the Norwegian

497

00:23:05,500 --> 00:23:03,620

skeptics also do paranormal tests and

498

00:23:08,140 --> 00:23:05,510

consumer activism to find out more

499

00:23:11,299 --> 00:23:08,150

Google Norwegian skeptics or visit skep

500

00:23:11,309 --> 00:23:17,240

you

501  
00:23:22,080 --> 00:23:20,010  
welcome to a weakened science from ra oz

502  
00:23:24,180 --> 00:23:22,090  
bringing you the science you need to

503  
00:23:26,039 --> 00:23:24,190  
know in recognition of talk like a

504  
00:23:29,430 --> 00:23:26,049  
pirate day this week we're going to get

505  
00:23:35,610 --> 00:23:29,440  
old swashbuckling are as we look at the

506  
00:23:37,769 --> 00:23:35,620  
science of me hearties are two pirate

507  
00:23:39,840 --> 00:23:37,779  
life for me sailing the yarn or with

508  
00:23:41,970 --> 00:23:39,850  
science on your side you know matey

509  
00:23:44,039 --> 00:23:41,980  
sailing the blue oceans I need to be

510  
00:23:46,889 --> 00:23:44,049  
able to navigate my way with the Stars

511  
00:23:48,950 --> 00:23:46,899  
to do this we Mariners use the device

512  
00:23:51,720 --> 00:23:48,960  
quarterback staff during the day or

513  
00:23:54,299 --> 00:23:51,730

nocturnal at night these measured the

514

00:23:57,210 --> 00:23:54,309

angle of the Sun or stars to find the

515

00:23:59,310 --> 00:23:57,220

ship's latitude and time important to

516

00:24:01,260 --> 00:23:59,320

knowing where I'm plundering is also the

517

00:24:03,299 --> 00:24:01,270

sextant by measuring the angle of the

518

00:24:05,789 --> 00:24:03,309

Sun we could calculate the latitude of

519

00:24:08,430 --> 00:24:05,799

airship if the Sun was right over ahead

520

00:24:11,460 --> 00:24:08,440

we be on the equator but if not we'd be

521

00:24:13,110 --> 00:24:11,470

a particular distance north or south the

522

00:24:15,659 --> 00:24:13,120

sextant could also be used to measure

523

00:24:18,330 --> 00:24:15,669

the angle between the moon and a star or

524

00:24:20,610 --> 00:24:18,340

planet to determine the longitude or two

525

00:24:24,480 --> 00:24:20,620

landmarks to triangulate the position of

526

00:24:26,970 --> 00:24:24,490

the ship to work out how fast we be

527

00:24:29,639 --> 00:24:26,980

traveling we use the chip log a piece of

528

00:24:31,470 --> 00:24:29,649

wood tides the end of a rope so when the

529

00:24:33,990 --> 00:24:31,480

wood is thrown overboard it pulls the

530

00:24:36,480 --> 00:24:34,000

rope out along the rope / efully space

531

00:24:39,269 --> 00:24:36,490

nuts counting the number of nuts which

532

00:24:41,610 --> 00:24:39,279

go past every 28 seconds show the speed

533

00:24:44,399 --> 00:24:41,620

of the ship this is why we have the term

534

00:24:46,230 --> 00:24:44,409

nuts for the speed of a ship and one to

535

00:24:48,630 --> 00:24:46,240

which let us calculate all this quickly

536

00:24:50,909 --> 00:24:48,640

and accurately was Gunter's ruled a

537

00:24:52,980 --> 00:24:50,919

logarithmic scale roller which allowed

538

00:24:55,560 --> 00:24:52,990

easy calculations using a set of

539

00:24:57,919 --> 00:24:55,570

calipers and now let's plunder air for

540

00:25:00,630 --> 00:24:57,929

fast facts

541

00:25:02,280 --> 00:25:00,640

pirates used an early form of grenade

542

00:25:04,710 --> 00:25:02,290

which are essentially just huddled

543

00:25:07,080 --> 00:25:04,720

mescal balls filled with gunpowder with

544

00:25:09,419 --> 00:25:07,090

a simple fuse sticking out the end a

545

00:25:11,850 --> 00:25:09,429

pirate's was probably more likely to die

546

00:25:13,710 --> 00:25:11,860

of disease than in combat some of the

547

00:25:16,620 --> 00:25:13,720

more common diseases were a result of

548

00:25:19,290 --> 00:25:16,630

poor hygiene another common disease was

549

00:25:21,480 --> 00:25:19,300

scurvy words on by a lack of vitamin C

550

00:25:24,690 --> 00:25:21,490

and a diet which consisted of cured and

551  
00:25:27,240 --> 00:25:24,700  
salted foods and if a pirate survived an

552  
00:25:29,280 --> 00:25:27,250  
injury that required an amputation they

553  
00:25:31,650 --> 00:25:29,290  
still had to survive blood loss during

554  
00:25:33,810 --> 00:25:31,660  
the operation the intense pain of an

555  
00:25:35,880 --> 00:25:33,820  
amputation without anesthetic and an

556  
00:25:38,310 --> 00:25:35,890  
almost inevitable infection following

557  
00:25:41,340 --> 00:25:38,320  
surgery medical understanding of the

558  
00:25:43,500 --> 00:25:41,350  
times rudimentary its best hmm that's

559  
00:25:45,750 --> 00:25:43,510  
quite enough that's I think for more

560  
00:25:49,710 --> 00:25:45,760  
information on science of pirates go to

561  
00:25:52,890 --> 00:25:49,720  
the RLS website RI aus org dot a you

562  
00:25:55,290 --> 00:25:52,900  
follow us on twitter at ra oz and like

563  
00:26:05,910 --> 00:25:55,300

us on facebook i'm ben lewis and we'll

564

00:26:10,270 --> 00:26:08,260

yeah guys I was talking to Richard

565

00:26:12,250 --> 00:26:10,280

solvency today all right he said if we

566

00:26:14,380 --> 00:26:12,260

record a trailer for our podcast

567

00:26:16,030 --> 00:26:14,390

skeptics with a que he'd play it on

568

00:26:17,380 --> 00:26:16,040

their own they're sure nice nice of him

569

00:26:18,580 --> 00:26:17,390

that's very generous it's pretty good

570

00:26:20,560 --> 00:26:18,590

i'm not sure what we could do though I

571

00:26:22,120 --> 00:26:20,570

mean well suppose you tell people the

572

00:26:24,940 --> 00:26:22,130

shows about but it's basically as this

573

00:26:26,710 --> 00:26:24,950

yeah but yeah but you know we talk about

574

00:26:27,850 --> 00:26:26,720

science and skepticism and things that's

575

00:26:28,960 --> 00:26:27,860

that's true I suppose you know you

576

00:26:31,150 --> 00:26:28,970

mentioned the website address what

577

00:26:32,919 --> 00:26:31,160

merseyside skeptics told our UK yeah

578

00:26:34,270 --> 00:26:32,929

yeah just like searches night UN's oh

579

00:26:37,750 --> 00:26:34,280

and then we could end with like a big

580

00:26:51,970 --> 00:26:37,760

song like the skeptics with okay god no

581

00:26:55,990 --> 00:26:51,980

no no no don't don't do that on 1233 ABC

582

00:26:59,560 --> 00:26:56,000

newcastle i don't think it matters where

583

00:27:04,600 --> 00:26:59,570

you stand on vaccination immunization of

584

00:27:06,370 --> 00:27:04,610

of your kids i think though well it in

585

00:27:09,820 --> 00:27:06,380

my opinion it does matter i think though

586

00:27:14,770 --> 00:27:09,830

the way that people are often treated on

587

00:27:18,010 --> 00:27:14,780

either side of the argument is sometimes

588

00:27:20,200 --> 00:27:18,020

pretty awful Richard Saunders is an

589

00:27:21,640 --> 00:27:20,210

independent filmmaker and public speaker

590

00:27:24,430 --> 00:27:21,650

and joins me this afternoon to talk

591

00:27:26,460 --> 00:27:24,440

about his new short documentary which is

592

00:27:28,299 --> 00:27:26,470

called the vaccination chronicles

593

00:27:31,960 --> 00:27:28,309

Richard thank you very much for your

594

00:27:36,250 --> 00:27:31,970

time my pleasure I have tried very

595

00:27:38,080 --> 00:27:36,260

carefully over many years to try and

596

00:27:40,169 --> 00:27:38,090

ensure that interviews that I do with

597

00:27:44,590 --> 00:27:40,179

people who are perhaps anti-vaccination

598

00:27:46,390 --> 00:27:44,600

as fair as I can possibly make them but

599

00:27:49,480 --> 00:27:46,400

it is difficult when you see children

600

00:27:51,760 --> 00:27:49,490

who have been injured by a vaccine

601  
00:27:53,620 --> 00:27:51,770  
preventable disease absolutely right i

602  
00:27:57,100 --> 00:27:53,630  
mean i know this is an issue that stores

603  
00:27:58,990 --> 00:27:57,110  
great emotion out there in the in the

604  
00:28:02,740 --> 00:27:59,000  
population and what I wanted to do with

605  
00:28:05,410 --> 00:28:02,750  
this video especially is to impress upon

606  
00:28:07,540 --> 00:28:05,420  
young parents that when they look around

607  
00:28:09,700 --> 00:28:07,550  
them in the world today and you don't

608  
00:28:10,540 --> 00:28:09,710  
see many instances of these terrible

609  
00:28:12,220 --> 00:28:10,550  
diseases

610  
00:28:16,000 --> 00:28:12,230  
they're somewhere in the background but

611  
00:28:17,560 --> 00:28:16,010  
their grandparents and people in older

612  
00:28:19,540 --> 00:28:17,570  
generations and many of the people

613  
00:28:22,870 --> 00:28:19,550

listening to us right now will be well

614

00:28:26,590 --> 00:28:22,880

aware of what it was like in the 40s 30s

615

00:28:28,990 --> 00:28:26,600

or 40s and the 50s where you didn't know

616

00:28:33,120 --> 00:28:29,000

if tomorrow your child would be struck

617

00:28:35,710 --> 00:28:33,130

down with polio for example or maybe

618

00:28:39,550 --> 00:28:35,720

tuberculosis and all these terrible

619

00:28:43,360 --> 00:28:39,560

diseases so my goal was to interview

620

00:28:45,550 --> 00:28:43,370

people who did see it and we could hear

621

00:28:47,800 --> 00:28:45,560

from them I've got a small piece here

622

00:28:49,510 --> 00:28:47,810

Richard of one of the subjects in your

623

00:28:51,730 --> 00:28:49,520

documentary the vaccination chronicles

624

00:28:53,860 --> 00:28:51,740

speaking about his sister having

625

00:28:57,550 --> 00:28:53,870

contracted polio I'll just pay that this

626

00:29:00,580 --> 00:28:57,560

is early 50s and I'm about five or six

627

00:29:04,960 --> 00:29:00,590

and I can remember sitting at the dining

628

00:29:09,730 --> 00:29:04,970

table and there's a doctor talking to my

629

00:29:13,750 --> 00:29:09,740

father who's standing up and the doctors

630

00:29:16,990 --> 00:29:13,760

telling my dad assists my baby

631

00:29:19,930 --> 00:29:17,000

sister's got polio and the look of

632

00:29:22,630 --> 00:29:19,940

horror on his face and I can hear my

633

00:29:26,170 --> 00:29:22,640

mother sobbing in the bedroom because

634

00:29:27,610 --> 00:29:26,180

this is the worst possible news that's

635

00:29:29,530 --> 00:29:27,620

just one of the people that you speak

636

00:29:31,420 --> 00:29:29,540

with in the vaccination chronicles

637

00:29:33,640 --> 00:29:31,430

Richard how did you find the people to

638

00:29:35,320 --> 00:29:33,650

speaking to for the documentary oh it's a

639

00:29:37,390 --> 00:29:35,330

very nice man by the name of Ken MacLeod

640

00:29:39,850 --> 00:29:37,400

who is very interested in this topic but

641

00:29:43,390 --> 00:29:39,860

I I sort of put out a call through my

642

00:29:45,190 --> 00:29:43,400

network so full disclosure I'm in with

643

00:29:46,720 --> 00:29:45,200

the Australian skeptics as well and the

644

00:29:49,830 --> 00:29:46,730

stone skeptics do a lot of work in

645

00:29:53,230 --> 00:29:49,840

fighting myths and misconceptions about

646

00:29:56,050 --> 00:29:53,240

vaccinations and I'd found people of

647

00:29:57,340 --> 00:29:56,060

that generation and older and the older

648

00:29:58,900 --> 00:29:57,350

generation who saw these things

649

00:30:02,320 --> 00:29:58,910

firsthand because those are the people I

650

00:30:05,290 --> 00:30:02,330

really wanted to talk to because i

651  
00:30:07,120 --> 00:30:05,300  
haven't seen Ward's full of 20 children

652  
00:30:10,150 --> 00:30:07,130  
in wheelchairs with stricken with polio

653  
00:30:13,420 --> 00:30:10,160  
I had seen an iron lung but it was in a

654  
00:30:15,040 --> 00:30:13,430  
museum but before before the whites

655  
00:30:16,990 --> 00:30:15,050  
producer vaccination they weren't in

656  
00:30:18,790 --> 00:30:17,000  
museums they were in hospital wards with

657  
00:30:22,300 --> 00:30:18,800  
and they were fill it full of children

658  
00:30:24,250 --> 00:30:22,310  
and this is something that we just don't

659  
00:30:25,810 --> 00:30:24,260  
want to have brought back

660  
00:30:28,450 --> 00:30:25,820  
my guest is Richard Saunders here at

661  
00:30:31,840 --> 00:30:28,460  
1233 talking about his short documentary

662  
00:30:34,060 --> 00:30:31,850  
the vaccination Chronicles I Richard a

663  
00:30:37,150 --> 00:30:34,070

couple of years ago I did a series with

664

00:30:40,630 --> 00:30:37,160

a family friend who was undergoing a

665

00:30:43,180 --> 00:30:40,640

huge surgery and radiotherapy for a

666

00:30:45,220 --> 00:30:43,190

throat cancer caused by the human

667

00:30:47,200 --> 00:30:45,230

papillomavirus and of course we we now

668

00:30:49,960 --> 00:30:47,210

from this year our single from the start

669

00:30:52,780 --> 00:30:49,970

of last year seeing Australian boys in

670

00:30:56,920 --> 00:30:52,790

year 7 vaccinated against HPV not just

671

00:30:58,690 --> 00:30:56,930

the the girls and I like science I think

672

00:31:00,760 --> 00:30:58,700

science is a pretty good thing and my

673

00:31:02,770 --> 00:31:00,770

elder son this week came home with his

674

00:31:05,830 --> 00:31:02,780

third little docket saying that he had

675

00:31:09,880 --> 00:31:05,840

now completed his HPV vaccination course

676  
00:31:11,290 --> 00:31:09,890  
and I could have cried because he of all

677  
00:31:14,320 --> 00:31:11,300  
the things that he will have to worry

678  
00:31:16,210 --> 00:31:14,330  
about in his lifetime going through what

679  
00:31:18,640 --> 00:31:16,220  
our friend went through won't be one of

680  
00:31:21,190 --> 00:31:18,650  
them absolutely right absolutely right

681  
00:31:25,210 --> 00:31:21,200  
and use a parent won't ever have to

682  
00:31:26,590 --> 00:31:25,220  
worry about will my child tomorrow be

683  
00:31:29,260 --> 00:31:26,600  
struck and down as struck down or

684  
00:31:33,190 --> 00:31:29,270  
something like polio or tuberculosis why

685  
00:31:36,880 --> 00:31:33,200  
because we developed the science to

686  
00:31:38,110 --> 00:31:36,890  
fight these things and what's another

687  
00:31:40,330 --> 00:31:38,120  
thing in the back of my mind of course

688  
00:31:42,370 --> 00:31:40,340

when I was making this was not only to

689

00:31:43,990 --> 00:31:42,380

let young people of today young parents

690

00:31:46,510 --> 00:31:44,000

know that this is what it was like not

691

00:31:48,970 --> 00:31:46,520

so long ago but really to impress upon

692

00:31:51,370 --> 00:31:48,980

them let's all work together to make

693

00:31:53,140 --> 00:31:51,380

sure these days never come back and one

694

00:31:56,800 --> 00:31:53,150

day these diseases will be in the

695

00:32:02,020 --> 00:31:56,810

history books like smallpox why do we

696

00:32:03,520 --> 00:32:02,030

still have a fairly large skeptical

697

00:32:07,060 --> 00:32:03,530

community though who are

698

00:32:11,050 --> 00:32:07,070

anti-vaccination who think that vaccines

699

00:32:12,790 --> 00:32:11,060

cause damage that they can cause death I

700

00:32:14,710 --> 00:32:12,800

mean there are there are potential for

701  
00:32:17,740 --> 00:32:14,720  
complications and risk in every medical

702  
00:32:21,520 --> 00:32:17,750  
choice that we make but where does their

703  
00:32:23,920 --> 00:32:21,530  
degree of fear of a vaccine come from

704  
00:32:26,230 --> 00:32:23,930  
it's a very good question a lot of it is

705  
00:32:27,490 --> 00:32:26,240  
to do a simple misinformation on the

706  
00:32:29,530 --> 00:32:27,500  
internet and you have a nose the

707  
00:32:33,100 --> 00:32:29,540  
internet is full of interesting

708  
00:32:36,190 --> 00:32:33,110  
information both good and bad I think it

709  
00:32:37,970 --> 00:32:36,200  
parley stems from a natural protection

710  
00:32:39,470 --> 00:32:37,980  
the parent

711  
00:32:41,570 --> 00:32:39,480  
feel towards their children if there's

712  
00:32:44,720 --> 00:32:41,580  
even a little bit of doubt sometimes

713  
00:32:46,789 --> 00:32:44,730

they're making that doubt cloud their

714

00:32:49,549 --> 00:32:46,799

their better judgment should we say a

715

00:32:51,950 --> 00:32:49,559

lot of it is unfortunately conspiracy

716

00:32:53,810 --> 00:32:51,960

theory mongers a lot of the

717

00:32:56,659 --> 00:32:53,820

anti-vaccination people are convinced

718

00:32:58,490 --> 00:32:56,669

that it's all a big plot by evil

719

00:33:01,190 --> 00:32:58,500

pharmaceutical companies and one world

720

00:33:02,690 --> 00:33:01,200

governments to do to do bad to us when

721

00:33:04,130 --> 00:33:02,700

you look at the figures and you hear the

722

00:33:07,730 --> 00:33:04,140

stories of what it used to be like

723

00:33:09,950 --> 00:33:07,740

compared to now you know those arguments

724

00:33:12,080 --> 00:33:09,960

sort of just just wilt away but you are

725

00:33:14,960 --> 00:33:12,090

absolutely right with every procedure

726

00:33:17,450 --> 00:33:14,970

there's of course there's an element of

727

00:33:19,640 --> 00:33:17,460

risk and we're not for one moment saying

728

00:33:21,770 --> 00:33:19,650

that's not the case seat belts have the

729

00:33:24,110 --> 00:33:21,780

potential to cause risk but we still got

730

00:33:26,750 --> 00:33:24,120

buckle up when we get into the car so

731

00:33:29,299 --> 00:33:26,760

into the future Richard how do we combat

732

00:33:33,470 --> 00:33:29,309

this how do we combat the fact that 20

733

00:33:34,970 --> 00:33:33,480

years ago there was a paper that was

734

00:33:36,710 --> 00:33:34,980

published in the lancet medical journey

735

00:33:38,350 --> 00:33:36,720

journal claiming that there was a link

736

00:33:41,360 --> 00:33:38,360

between the measles mumps and rubella

737

00:33:44,330 --> 00:33:41,370

vaccine and autism and even though the

738

00:33:46,520 --> 00:33:44,340

lancet have now retracted that that

739

00:33:49,250 --> 00:33:46,530

publication in that paper from their

740

00:33:51,110 --> 00:33:49,260

publication there are still many many

741

00:33:54,260 --> 00:33:51,120

people who believe that there is a link

742

00:33:57,049 --> 00:33:54,270

between the MMR vaccine and autism how

743

00:34:00,110 --> 00:33:57,059

do how do we make the falsehoods go away

744

00:34:02,330 --> 00:34:00,120

I wish I knew the good answer to that I

745

00:34:04,760 --> 00:34:02,340

really do I think talking about it on

746

00:34:07,159 --> 00:34:04,770

the radio like we're doing today and I'm

747

00:34:09,530 --> 00:34:07,169

pleased you to social networking and

748

00:34:11,570 --> 00:34:09,540

this is being heard all around the world

749

00:34:14,540 --> 00:34:11,580

things like this help letting people

750

00:34:16,730 --> 00:34:14,550

know that that has been discredited and

751  
00:34:19,250 --> 00:34:16,740  
that has absolutely been discredited I

752  
00:34:22,669 --> 00:34:19,260  
hope that my documentary will help when

753  
00:34:24,680 --> 00:34:22,679  
people discover the horrors that are no

754  
00:34:27,109 --> 00:34:24,690  
longer faced in our society but are

755  
00:34:29,570 --> 00:34:27,119  
still present in developing parts of the

756  
00:34:31,340 --> 00:34:29,580  
world and we can't forget that um we

757  
00:34:33,740 --> 00:34:31,350  
keep talking about what I think is the

758  
00:34:35,240 --> 00:34:33,750  
best action we can to do you think it is

759  
00:34:37,970 --> 00:34:35,250  
as simple as we just don't see these

760  
00:34:40,070 --> 00:34:37,980  
diseases anymore so therefore we we

761  
00:34:42,349 --> 00:34:40,080  
don't comprehend how truly devastating

762  
00:34:43,879 --> 00:34:42,359  
there can be I think that's a large part

763  
00:34:46,250 --> 00:34:43,889

of it I mean I can't comprehend that

764

00:34:48,889 --> 00:34:46,260

I've seen historical videos that I have

765

00:34:50,480 --> 00:34:48,899

historical video clips in my documentary

766

00:34:51,790 --> 00:34:50,490

of wards full of sick children which we

767

00:34:54,230 --> 00:34:51,800

don't see anymore

768

00:34:57,170 --> 00:34:54,240

and out of sight out of mind maybe

769

00:34:59,000 --> 00:34:57,180

that's part of the problem but it's good

770

00:35:01,940 --> 00:34:59,010

to remind ourselves to keep our herd

771

00:35:04,130 --> 00:35:01,950

immunity up and keep our vaccinations up

772

00:35:05,750 --> 00:35:04,140

to now Richard with your documentary the

773

00:35:07,819 --> 00:35:05,760

vaccination chronicles you do want

774

00:35:10,430 --> 00:35:07,829

everybody to see it and therefore it's

775

00:35:12,800 --> 00:35:10,440

on YouTube it's the best place for it

776

00:35:14,240 --> 00:35:12,810

it's on YouTube it's free to view well

777

00:35:16,280 --> 00:35:14,250

like everything is on YouTube but it's

778

00:35:17,809 --> 00:35:16,290

free to air publicly if people wish if

779

00:35:20,210 --> 00:35:17,819

they wish to have a copy I'm going to

780

00:35:22,550 --> 00:35:20,220

produce a DVD which will only cost

781

00:35:24,589 --> 00:35:22,560

production costs in other words a couple

782

00:35:26,450 --> 00:35:24,599

of dollars that's the Oviatt posted in

783

00:35:28,760 --> 00:35:26,460

DVD cost i'm not going to make any money

784

00:35:31,520 --> 00:35:28,770

out of this that's not the goal i want

785

00:35:33,740 --> 00:35:31,530

many people to see this and I must say a

786

00:35:35,569 --> 00:35:33,750

wonderful thing has taken place a little

787

00:35:38,870 --> 00:35:35,579

bit unexpected people from all around

788

00:35:40,550 --> 00:35:38,880

the world have chipped in and translated

789

00:35:42,620 --> 00:35:40,560

it into many different languages on

790

00:35:44,900 --> 00:35:42,630

YouTube you can watch it subtitled in

791

00:35:48,380 --> 00:35:44,910

English of course Dutch Turkish crushing

792

00:35:51,109 --> 00:35:48,390

Portuguese Italian Danish German Spanish

793

00:35:53,329 --> 00:35:51,119

is on the way and the DVD will have all

794

00:35:55,819 --> 00:35:53,339

these languages on it too I just people

795

00:35:57,770 --> 00:35:55,829

are good now the people are good aren't

796

00:35:59,059 --> 00:35:57,780

they on the large people are good now

797

00:36:00,349 --> 00:35:59,069

Richard when people though who are

798

00:36:02,150 --> 00:36:00,359

listening go well who's this Richard

799

00:36:04,900 --> 00:36:02,160

Saunders guy and what's qualifies him to

800

00:36:07,099 --> 00:36:04,910

talk about vaccination and immunisation

801

00:36:08,900 --> 00:36:07,109

you roll up your sleeve and put your

802

00:36:11,140 --> 00:36:08,910

money where your mouth is why can why

803

00:36:13,780 --> 00:36:11,150

should people believe what you're saying

804

00:36:15,680 --> 00:36:13,790

you know what people should be

805

00:36:17,599 --> 00:36:15,690

interested in what I'm saying they

806

00:36:19,790 --> 00:36:17,609

should look at the documentary and then

807

00:36:22,490 --> 00:36:19,800

make up their own minds or do their own

808

00:36:24,470 --> 00:36:22,500

research or talk to their GP and see if

809

00:36:26,630 --> 00:36:24,480

their GP and qualified medical

810

00:36:31,190 --> 00:36:26,640

professionals back up what they see or

811

00:36:32,960 --> 00:36:31,200

what I say don't listen to me and simply

812

00:36:34,579 --> 00:36:32,970

take what I'm saying is truth just

813

00:36:36,140 --> 00:36:34,589

because my name is Richard Saunders and

814

00:36:37,849 --> 00:36:36,150

over there you know I'm a skeptical

815

00:36:39,980 --> 00:36:37,859

activist I'm being on TV or whatever the

816

00:36:41,420 --> 00:36:39,990

case may be that's what I hope people

817

00:36:43,160 --> 00:36:41,430

would do but you know I think I'm a

818

00:36:45,620 --> 00:36:43,170

trustworthy guy so eager you've also

819

00:36:48,319 --> 00:36:45,630

spoken to dr. Karl kozel Netsky who is

820

00:36:49,849 --> 00:36:48,329

very trustworthy one of the ABCs own and

821

00:36:52,280 --> 00:36:49,859

from the university of sydney to share

822

00:36:54,170 --> 00:36:52,290

his experience with you too absolutely

823

00:36:57,349 --> 00:36:54,180

got color features on the documentary

824

00:36:59,150 --> 00:36:57,359

and he was very pleased when I put the

825

00:37:01,210 --> 00:36:59,160

idea to him that I'd like to use him he

826

00:37:04,960 --> 00:37:01,220

jumped at the chance and he has got very

827

00:37:06,160 --> 00:37:04,970

interesting stories to tell about the

828

00:37:08,050 --> 00:37:06,170

the early days when he was a young

829

00:37:10,720 --> 00:37:08,060

medical doctor and his encounters with

830

00:37:12,550 --> 00:37:10,730

the vaccine preventable diseases do you

831

00:37:15,609 --> 00:37:12,560

think that perhaps people are putting

832

00:37:18,400 --> 00:37:15,619

their head in the sand about antibiotic

833

00:37:22,120 --> 00:37:18,410

resistance as much as perhaps we are and

834

00:37:23,440 --> 00:37:22,130

maybe more so than vaccination I said

835

00:37:25,000 --> 00:37:23,450

but that's a good point that's the point

836

00:37:27,490 --> 00:37:25,010

I have not covered on the documentary

837

00:37:30,550 --> 00:37:27,500

the documentary reads well there's your

838

00:37:32,200 --> 00:37:30,560

next job my next you might absolutely be

839

00:37:33,730 --> 00:37:32,210

right I think that's that's a whole

840

00:37:35,980 --> 00:37:33,740

other documentary and a whole other

841

00:37:37,450 --> 00:37:35,990

issue I think yeah all right indeed

842

00:37:38,710 --> 00:37:37,460

Richard Saunders terrific to catch up

843

00:37:43,089 --> 00:37:38,720

with you thank you very much for your

844

00:37:44,770 --> 00:37:43,099

time I know that you are all over social

845

00:37:46,089 --> 00:37:44,780

media people can follow you at skeptic

846

00:37:48,220 --> 00:37:46,099

zone on Twitter if they would like to

847

00:37:50,050 --> 00:37:48,230

contact you personally ask you questions

848

00:37:51,730 --> 00:37:50,060

or find out more and we'll share the

849

00:37:53,680 --> 00:37:51,740

links with the vaccination chronicles as

850

00:37:55,540 --> 00:37:53,690

knowledge that's very nice of you in the

851  
00:37:57,640 --> 00:37:55,550  
easiest way to find the documentary is

852  
00:38:00,280 --> 00:37:57,650  
simply go to your search engine and type

853  
00:38:02,140 --> 00:38:00,290  
in vaccination chronicles and it'll pop

854  
00:38:03,970 --> 00:38:02,150  
up it certainly will Richard terrific to

855  
00:38:06,099 --> 00:38:03,980  
speak with you madly thank you Richard

856  
00:38:08,140 --> 00:38:06,109  
Saunders independent filmmaker in public

857  
00:38:10,240 --> 00:38:08,150  
speaker well known skeptic but talking

858  
00:38:12,190 --> 00:38:10,250  
about his documentary that he's made

859  
00:38:14,380 --> 00:38:12,200  
available free for everybody to see

860  
00:38:17,170 --> 00:38:14,390  
about vaccination called the vaccination

861  
00:38:22,839 --> 00:38:17,180  
chronicles I can remember as a young

862  
00:38:25,570 --> 00:38:22,849  
adult heading into Hyde Park barracks in

863  
00:38:28,780 --> 00:38:25,580

Sydney and looking at an Exhibition they

864

00:38:30,849 --> 00:38:28,790

had there at the time on smallpox and

865

00:38:33,579 --> 00:38:30,859

what smallpox did to the population what

866

00:38:35,020 --> 00:38:33,589

it did to people and I will never quite

867

00:38:36,880 --> 00:38:35,030

I don't think I'll ever quite forget

868

00:38:40,060 --> 00:38:36,890

some of the images and things that were

869

00:38:42,160 --> 00:38:40,070

on display during that exhibition if

870

00:38:44,589 --> 00:38:42,170

you'd like to know more call us 1333

871

00:38:46,480 --> 00:38:44,599

1233 or put the vaccination chronicles

872

00:38:53,180 --> 00:38:46,490

into your search engine and you'll find

873

00:38:59,940 --> 00:38:56,520

hey guys Jay novela here simple question

874

00:39:01,799 --> 00:38:59,950

where will you be this November because

875

00:39:03,539 --> 00:39:01,809

I know I'm going to be at the Australian

876

00:39:05,160 --> 00:39:03,549

skeptics national convention in Sydney

877

00:39:06,510 --> 00:39:05,170

and so will all the rest of us from the

878

00:39:09,599 --> 00:39:06,520

skeptics guide to the universe including

879

00:39:11,789 --> 00:39:09,609

George Rob and Dick Smith and dr. Karl

880

00:39:14,789 --> 00:39:11,799

and dr. Reggie and lots of other awesome

881

00:39:16,920 --> 00:39:14,799

people why aren't you going did you not

882

00:39:18,510 --> 00:39:16,930

sign up yet get on there and sign up

883

00:39:20,490 --> 00:39:18,520

this is going to be some epic stuff here

884

00:39:34,500 --> 00:39:20,500

you don't want to miss it go to skeptics

885

00:39:38,940 --> 00:39:36,910

thank you for listening to the skeptic

886

00:39:42,040 --> 00:39:38,950

zone yes another short episode this week

887

00:39:43,660 --> 00:39:42,050

for those people on the train and you've

888

00:39:46,450 --> 00:39:43,670

realized that you're not at your station

889

00:39:49,060 --> 00:39:46,460

yet in the show's almost over sorry

890

00:39:52,630 --> 00:39:49,070

about that very busy couple of weeks for

891

00:39:55,210 --> 00:39:52,640

me with lots of work here and there so I

892

00:39:57,310 --> 00:39:55,220

wasn't able to get to a very interesting

893

00:39:59,770 --> 00:39:57,320

interview that I wanted to get to this

894

00:40:02,710 --> 00:39:59,780

week but I'll get to it in the coming

895

00:40:05,020 --> 00:40:02,720

weekend get it to you next week it's

896

00:40:09,480 --> 00:40:05,030

with an amazing now I'm not going to

897

00:40:15,340 --> 00:40:12,780

trust me it's a very interesting person

898

00:40:16,570 --> 00:40:15,350

well that's what they tell me they say

899

00:40:19,210 --> 00:40:16,580

they're interesting them I'll believe

900

00:40:22,210 --> 00:40:19,220

that and in the coming week I hope do I

901  
00:40:25,570 --> 00:40:22,220  
have lunch with me nod to the fat with

902  
00:40:28,720 --> 00:40:25,580  
him a big shout out to my friends up in

903  
00:40:30,640 --> 00:40:28,730  
the northern rivers area there Heidi

904  
00:40:33,910 --> 00:40:30,650  
Robinson and her friends in northern

905  
00:40:35,410 --> 00:40:33,920  
rivers vaccination supporters group who

906  
00:40:38,070 --> 00:40:35,420  
do wonderful things like put up their

907  
00:40:40,900 --> 00:40:38,080  
flyers around North Coast area

908  
00:40:45,660 --> 00:40:40,910  
encouraging people to vaccinate well

909  
00:40:48,310 --> 00:40:45,670  
done well done indeed I think a lot of

910  
00:40:51,630 --> 00:40:48,320  
chemtrails up in that part of the world

911  
00:40:54,190 --> 00:40:51,640  
hmm anyway congratulations to that group

912  
00:40:55,960 --> 00:40:54,200  
powering on doing all sorts of good

913  
00:40:58,000 --> 00:40:55,970

things in fact I think we'll have to

914

00:41:01,900 --> 00:40:58,010

interview them before long again to get

915

00:41:04,990 --> 00:41:01,910

an update on their progress in that that

916

00:41:08,260 --> 00:41:05,000

part of the country bad for this week

917

00:41:14,890 --> 00:41:08,270

this is Richard Saunders signing off

918

00:41:17,339 --> 00:41:14,900

from Sydney Australia you've been

919

00:41:21,870 --> 00:41:17,349

listening to the skeptic zone

920

00:41:25,170 --> 00:41:21,880

visit our website at [www.skepticzoomtv](http://www.skepticzoomtv)