

1  
00:00:06,110 --> 00:00:13,690  
welcome to the skeptic zone the podcast

2  
00:00:09,109 --> 00:00:13,689  
from Australia for science and reason

3  
00:00:22,390 --> 00:00:30,278  
hello and welcome to the skeptics on

4  
00:00:24,890 --> 00:00:32,750  
episode number 244 the 26 of may 2013

5  
00:00:30,278 --> 00:00:35,018  
Richardson's here with you from Sydney

6  
00:00:32,750 --> 00:00:37,070  
Australia what a glorious beautiful

7  
00:00:35,018 --> 00:00:39,799  
weekend it's been in Sydney Australia

8  
00:00:37,070 --> 00:00:42,408  
just lovely Pleasant weather good for

9  
00:00:39,799 --> 00:00:44,899  
getting out and about coming up on this

10  
00:00:42,408 --> 00:00:46,789  
week's show more of the media's attack

11  
00:00:44,899 --> 00:00:49,929  
on the Australian vaccination network

12  
00:00:46,789 --> 00:00:52,820  
very good to see in newspapers radio and

13  
00:00:49,929 --> 00:00:56,448  
television in fact we're going to kick

14  
00:00:52,820 --> 00:01:00,710  
off with the report in The Sunday

15  
00:00:56,448 --> 00:01:04,908  
Telegraph here in Sydney reporting on

16  
00:01:00,710 --> 00:01:07,879  
the vilification and abuse suffered by

17  
00:01:04,909 --> 00:01:10,700  
Tony and David McCaffrey we'll get to

18  
00:01:07,879 --> 00:01:13,908  
that pretty soon and after that it's the

19  
00:01:10,700 --> 00:01:16,939  
first of a two parter dr. a Judas this

20  
00:01:13,909 --> 00:01:19,250  
week dr. Richie was a guest on the

21  
00:01:16,938 --> 00:01:21,978  
project on the Ten Network here in

22  
00:01:19,250 --> 00:01:24,259  
Australia so I'll play the audio from

23  
00:01:21,978 --> 00:01:27,140  
that speaking about the current

24  
00:01:24,259 --> 00:01:31,009  
situation with vaccinations and later on

25  
00:01:27,140 --> 00:01:33,829  
in the show dr. 'he interviews Andy

26  
00:01:31,009 --> 00:01:36,170  
Lewis from cuoco meter Oh picometer

27  
00:01:33,828 --> 00:01:38,419  
depending on how you'd like to say it an

28  
00:01:36,170 --> 00:01:41,810  
interview she conducted at the recent

29

00:01:38,420 --> 00:01:43,939  
QED Khan in Manchester also on this

30  
00:01:41,810 --> 00:01:45,649  
week's show a week in science from our

31  
00:01:43,938 --> 00:01:51,468  
good friends at the Royal Institution of

32  
00:01:45,649 --> 00:01:53,769  
Australia w WR I a uso GA you and to

33  
00:01:51,468 --> 00:01:57,349  
round off the show and interview with

34  
00:01:53,769 --> 00:01:59,688  
with me I was on radio to UE here in

35  
00:01:57,349 --> 00:02:03,019  
Sydney just the other night chatting to

36  
00:01:59,688 --> 00:02:04,908  
marry Wilton about skepticism included

37  
00:02:03,019 --> 00:02:07,578  
in that interview is details about my

38  
00:02:04,909 --> 00:02:11,659  
upcoming talk in Canberra in fact it'll

39  
00:02:07,578 --> 00:02:13,669  
be on the first of June first of June in

40  
00:02:11,659 --> 00:02:16,039  
Canberra more information coming up

41  
00:02:13,669 --> 00:02:17,719  
later in the show and a big shout out to

42  
00:02:16,039 --> 00:02:20,929  
my friends of the skeptics guide to the

43  
00:02:17,719 --> 00:02:22,580

universe podcast I was a guest rogue on

44

00:02:20,930 --> 00:02:24,740

the episode that just went out a bit

45

00:02:22,580 --> 00:02:27,380

earlier today in fact always great fun

46

00:02:24,740 --> 00:02:28,730

to be on the skeptics guide I consider

47

00:02:27,379 --> 00:02:31,840

all the people on that show my good

48

00:02:28,729 --> 00:02:33,639

friends and it's great to catch up so

49

00:02:31,840 --> 00:02:34,840

for those who listened I hope you

50

00:02:33,639 --> 00:02:37,238

enjoyed it and if you haven't heard that

51

00:02:34,840 --> 00:02:39,128

episode yet I hope you will enjoy it

52

00:02:37,239 --> 00:02:41,050

when you give it a listen and just

53

00:02:39,128 --> 00:02:42,848

before we get into this week's show a

54

00:02:41,050 --> 00:02:45,700

big reminder for those people listening

55

00:02:42,848 --> 00:02:49,000

in Australia tonight sunday night

56

00:02:45,699 --> 00:02:52,149

tonight on SBS one at eight-thirty you

57

00:02:49,000 --> 00:02:54,340

can watch the documentary jabbed and I

58  
00:02:52,150 --> 00:02:56,739  
sincerely recommend you hit the record

59  
00:02:54,340 --> 00:03:00,519  
button it's a keeper it's a great

60  
00:02:56,739 --> 00:03:03,939  
documentary tonight SBS one SBS TV watch

61  
00:03:00,519 --> 00:03:07,180  
out for the documentary jammed but for

62  
00:03:03,939 --> 00:03:09,219  
now I'm going to run downstairs mmm I'm

63  
00:03:07,180 --> 00:03:10,689  
gonna cook myself up the hot dog here

64  
00:03:09,219 --> 00:03:13,090  
haven't had one of those long time hott

65  
00:03:10,689 --> 00:03:15,759  
Dogg with hott English mustard oh yes

66  
00:03:13,090 --> 00:03:19,920  
uh-uh unholy but a goodie well I'm doing

67  
00:03:15,759 --> 00:03:19,919  
that I hope you enjoy the skeptics

68  
00:03:24,590 --> 00:03:43,699  
I heard before me the sunday telegraph

69  
00:03:37,818 --> 00:03:46,339  
newspaper dated the 26 of may 2013 front

70  
00:03:43,699 --> 00:03:49,548  
page is a picture of Tony McCaffrey

71  
00:03:46,340 --> 00:03:54,348  
holding a photograph of her daughter

72  
00:03:49,549 --> 00:03:57,439  
Dana Dana who died in 2009 it's half the

73  
00:03:54,348 --> 00:04:00,768  
page and the headline says exclusive a

74  
00:03:57,439 --> 00:04:03,139  
mother's grief I was vilified Tony

75  
00:04:00,769 --> 00:04:07,519  
McCaffrey lost her beautiful for we gold

76  
00:04:03,139 --> 00:04:10,548  
baby Dana to whooping cough in 2009 then

77  
00:04:07,519 --> 00:04:13,280  
the victimization started anti-vaccine

78  
00:04:10,549 --> 00:04:15,860  
lobbyists alleged Dana must have died of

79  
00:04:13,280 --> 00:04:18,620  
other causes demanding to see her

80  
00:04:15,860 --> 00:04:22,300  
autopsy results and told Ms McCaffrey

81  
00:04:18,620 --> 00:04:25,550  
and her husband David to harden the F up

82  
00:04:22,300 --> 00:04:28,699  
today as part of our no jab at no play

83  
00:04:25,550 --> 00:04:33,410  
campaign The Sunday Telegraph exposes

84  
00:04:28,699 --> 00:04:37,279  
the bullies so you turn to page six and

85  
00:04:33,410 --> 00:04:40,189  
seven and double page spread featuring

86

00:04:37,279 --> 00:04:42,939  
another picture of Tony McCaffrey near

87  
00:04:40,189 --> 00:04:45,769  
the grave of her daughter and Dana

88  
00:04:42,939 --> 00:04:48,800  
grieving family suffers venomous attacks

89  
00:04:45,769 --> 00:04:51,620  
on daughter's memory exclusive by Jane

90  
00:04:48,800 --> 00:04:53,538  
Hansen the family who lost their

91  
00:04:51,620 --> 00:04:56,060  
four-week old daughter to whooping cough

92  
00:04:53,538 --> 00:04:58,159  
have revealed the intensive harassment

93  
00:04:56,060 --> 00:05:01,220  
they endured at the hands of the

94  
00:04:58,160 --> 00:05:02,810  
anti-vaccination campaigners Tony and

95  
00:05:01,220 --> 00:05:04,370  
David McCaffrey have broken their

96  
00:05:02,810 --> 00:05:07,848  
silence on for years of vilification

97  
00:05:04,370 --> 00:05:11,478  
they have endured since baby Dana died

98  
00:05:07,848 --> 00:05:13,699  
in 2009 attacks against the family

99  
00:05:11,478 --> 00:05:16,759  
include anonymous letters cyber attacks

100  
00:05:13,699 --> 00:05:20,089

and heartless abusive messages telling

101

00:05:16,759 --> 00:05:22,189

them to harden the F up they have been

102

00:05:20,089 --> 00:05:24,769

accused of lying about their daughter's

103

00:05:22,189 --> 00:05:27,500

death and being part of conspiracy to

104

00:05:24,769 --> 00:05:30,829

force a vaccination on others Australian

105

00:05:27,500 --> 00:05:32,740

vaccination Network avian founder Meryl

106

00:05:30,829 --> 00:05:35,538

Dory even posted her own

107

00:05:32,740 --> 00:05:38,120

anti-vaccination information on Dana

108

00:05:35,538 --> 00:05:41,629

McCaffrey's memorial website

109

00:05:38,120 --> 00:05:43,728

dori also demanded autopsy reports from

110

00:05:41,629 --> 00:05:47,870

public health officials the day before

111

00:05:43,728 --> 00:05:49,789

the four-week-old baby's funeral when

112

00:05:47,870 --> 00:05:52,250

asked by The Sunday Telegraph to comment

113

00:05:49,790 --> 00:05:54,710

on these allegations miss Dorry declined

114

00:05:52,250 --> 00:05:58,610

saying she would answer the questions on

115  
00:05:54,709 --> 00:06:02,239  
her own website Tony McCaffrey said the

116  
00:05:58,610 --> 00:06:05,300  
lunacy and venom directed at us has been

117  
00:06:02,240 --> 00:06:08,810  
torture it's been frightening abhorrent

118  
00:06:05,300 --> 00:06:11,270  
and insensitive in the extreme she said

119  
00:06:08,810 --> 00:06:14,389  
she had received three anonymous letters

120  
00:06:11,269 --> 00:06:16,399  
at her home which included avn pamphlets

121  
00:06:14,389 --> 00:06:19,788  
the family's campaign to raise awareness

122  
00:06:16,399 --> 00:06:22,370  
of the importance of immunizing children

123  
00:06:19,788 --> 00:06:25,550  
has made them targets of harassment she

124  
00:06:22,370 --> 00:06:28,310  
said one man a regular on the avian

125  
00:06:25,550 --> 00:06:32,060  
forums emailed the family via Dana's

126  
00:06:28,310 --> 00:06:34,250  
website the email reads we find it

127  
00:06:32,060 --> 00:06:36,918  
amazing that some people firmly believe

128  
00:06:34,250 --> 00:06:39,439  
that God was not perfect apparently

129  
00:06:36,918 --> 00:06:42,199  
according to these people God forgot to

130  
00:06:39,439 --> 00:06:44,719  
add the heavy toxic metals pig cells

131  
00:06:42,199 --> 00:06:47,689  
chicken cells etc that are found in

132  
00:06:44,720 --> 00:06:50,389  
vaccines sorry but I believe Dana passed

133  
00:06:47,689 --> 00:06:53,029  
away because of different reasons then

134  
00:06:50,389 --> 00:06:55,269  
you claimed another message to the

135  
00:06:53,029 --> 00:06:58,549  
McCaffrey's told them to harden the F up

136  
00:06:55,269 --> 00:07:00,649  
one woman wrote I could walk through a

137  
00:06:58,550 --> 00:07:03,410  
ward of babies dying from whooping cough

138  
00:07:00,649 --> 00:07:05,388  
or any other infectious disease and it

139  
00:07:03,410 --> 00:07:08,479  
would not affect my decision not to

140  
00:07:05,389 --> 00:07:11,689  
vaccinate my children instead of Dana in

141  
00:07:08,478 --> 00:07:14,149  
our lives we had this madness ms

142  
00:07:11,689 --> 00:07:15,829  
McCaffrey said adding she endured two

143

00:07:14,149 --> 00:07:17,839  
miscarriages in the year following

144  
00:07:15,829 --> 00:07:20,959  
Dana's death at the height of the

145  
00:07:17,839 --> 00:07:24,198  
vilification when someone disrespects

146  
00:07:20,959 --> 00:07:26,659  
your loved one it hurts but people

147  
00:07:24,199 --> 00:07:29,598  
mocking your child's death it's just not

148  
00:07:26,660 --> 00:07:32,240  
human yet the abuse has not swayed the

149  
00:07:29,598 --> 00:07:33,560  
McCaffrey's determination to educate the

150  
00:07:32,240 --> 00:07:36,199  
public about the importance of

151  
00:07:33,560 --> 00:07:38,509  
vaccinations we've had to keep focus on

152  
00:07:36,199 --> 00:07:40,699  
what was important and this is making

153  
00:07:38,509 --> 00:07:43,610  
the changes so what happened Dana

154  
00:07:40,699 --> 00:07:46,520  
doesn't happen to anyone else she said

155  
00:07:43,610 --> 00:07:49,370  
their revelations come on the eve of

156  
00:07:46,519 --> 00:07:51,468  
historic legislation planned for the

157  
00:07:49,370 --> 00:07:51,930

coming week to allow child care centers

158

00:07:51,468 --> 00:07:55,829  
to

159

00:07:51,930 --> 00:07:58,019  
ban unvaccinated children The Sunday

160

00:07:55,829 --> 00:08:00,288  
Telegraph and The Daily Telegraph have

161

00:07:58,019 --> 00:08:04,049  
been running a no job no play campaign

162

00:08:00,288 --> 00:08:08,099  
to address low immunization rates in the

163

00:08:04,050 --> 00:08:11,038  
state that was a report by Jane Hansen

164

00:08:08,100 --> 00:08:14,070  
and here is some audio from the abc's

165

00:08:11,038 --> 00:08:17,509  
news program late line just a few years

166

00:08:14,069 --> 00:08:21,060  
ago to back up some of the allegations

167

00:08:17,509 --> 00:08:22,379  
made in this story the McCaffrey's live

168

00:08:21,060 --> 00:08:23,910  
just a few kilometers from the

169

00:08:22,379 --> 00:08:26,159  
headquarters of the Australian

170

00:08:23,910 --> 00:08:28,439  
vaccination network they say they've

171

00:08:26,160 --> 00:08:30,630  
been harassed by the avian since their

172  
00:08:28,439 --> 00:08:32,969  
daughter died and that the avian has

173  
00:08:30,629 --> 00:08:35,759  
made repeated claims that Dana didn't

174  
00:08:32,969 --> 00:08:38,010  
die of pertussis our daughter wasn't

175  
00:08:35,759 --> 00:08:41,120  
even buried and it began it began the

176  
00:08:38,009 --> 00:08:43,319  
day before her funeral it began this

177  
00:08:41,120 --> 00:08:46,169  
phone calls to the health department to

178  
00:08:43,320 --> 00:08:48,899  
get her medical records contending she

179  
00:08:46,169 --> 00:08:50,819  
didn't die of pertussis this email from

180  
00:08:48,899 --> 00:08:52,528  
Paul Corbin the director of public

181  
00:08:50,820 --> 00:08:54,959  
health at the north coast area Health

182  
00:08:52,528 --> 00:08:57,809  
Service backs up Tony mcCaffery's claims

183  
00:08:54,958 --> 00:08:59,609  
miss Dorry called me on 12 March seeking

184  
00:08:57,809 --> 00:09:01,949  
details of your daughter's illness and

185  
00:08:59,610 --> 00:09:04,050  
death miss Dorry contended that I had

186  
00:09:01,950 --> 00:09:06,240  
mised the public in attributing your

187  
00:09:04,049 --> 00:09:08,729  
daughter's death to pertussis I never

188  
00:09:06,240 --> 00:09:10,740  
said any of that all I asked was that's

189  
00:09:08,730 --> 00:09:14,250  
what he says well I'm sorry that's not

190  
00:09:10,740 --> 00:09:17,039  
true that is not true all I said was how

191  
00:09:14,250 --> 00:09:19,799  
was the diagnosis made if it was a quick

192  
00:09:17,039 --> 00:09:21,539  
test do you know that it's a real test

193  
00:09:19,799 --> 00:09:24,088  
and that the result is real was it

194  
00:09:21,539 --> 00:09:25,919  
really whooping cough merrell Dori says

195  
00:09:24,089 --> 00:09:28,830  
repeatedly that Dinah McCaffrey

196  
00:09:25,919 --> 00:09:32,429  
supposedly died of pertussis it's the

197  
00:09:28,830 --> 00:09:35,820  
most offensive statement because I've

198  
00:09:32,429 --> 00:09:38,429  
watched over five days my beautiful

199  
00:09:35,820 --> 00:09:41,760  
daughter suffered the most agonizing

200

00:09:38,429 --> 00:09:46,409  
death she was just this innocent little

201  
00:09:41,759 --> 00:09:48,600  
girl who it was cruel but then to be put

202  
00:09:46,409 --> 00:09:52,139  
in a position where I have to prove that

203  
00:09:48,600 --> 00:09:54,629  
she died of pertussis that's even

204  
00:09:52,139 --> 00:09:57,720  
crueler and she's diminishing the fact

205  
00:09:54,629 --> 00:09:59,730  
that pertussis does and can kill and

206  
00:09:57,720 --> 00:10:01,680  
it's going to lead someone to make a

207  
00:09:59,730 --> 00:10:03,860  
decision about vaccinations we could put

208  
00:10:01,679 --> 00:10:05,569  
their baby or their family

209  
00:10:03,860 --> 00:10:07,370  
and that's not right okay there is a

210  
00:10:05,570 --> 00:10:09,230  
post that you made in reference to the

211  
00:10:07,370 --> 00:10:11,419  
skeptics which said isn't it incredible

212  
00:10:09,230 --> 00:10:13,310  
how they have made Dana into a martyr

213  
00:10:11,419 --> 00:10:15,379  
because she supposedly died from

214  
00:10:13,309 --> 00:10:18,259

whooping cough now could you did I say

215

00:10:15,379 --> 00:10:28,278

that yeah I don't believe I did let me

216

00:10:18,259 --> 00:10:29,899

see but ignore all of the children and

217

00:10:28,278 --> 00:10:32,750

adults who have died after vaccination

218

00:10:29,899 --> 00:10:35,659

you still sit there I I did say that and

219

00:10:32,750 --> 00:10:37,940

I still think that again is it jack

220

00:10:35,659 --> 00:10:39,889

could you imagine reading badly if your

221

00:10:37,940 --> 00:10:41,240

daughter had died of whooping cough how

222

00:10:39,889 --> 00:10:44,389

would that make you feel can you imagine

223

00:10:41,240 --> 00:10:46,639

reading they stop the avian site or the

224

00:10:44,389 --> 00:10:48,860

daily miss you tonight I'm not asking

225

00:10:46,639 --> 00:10:50,838

okay that's fine that's fine can you

226

00:10:48,860 --> 00:10:52,639

imagine reading those comments I can

227

00:10:50,839 --> 00:10:55,310

imagine and it would probably be hurtful

228

00:10:52,639 --> 00:10:58,939

and I would be sorry if she felt hurt

229  
00:10:55,309 --> 00:11:01,669  
from what I had said but from my point

230  
00:10:58,940 --> 00:11:04,519  
of view all children are important all

231  
00:11:01,669 --> 00:11:06,110  
deaths are important mcCaffery's have

232  
00:11:04,519 --> 00:11:09,259  
made their own complaint to the H Triple

233  
00:11:06,110 --> 00:11:11,329  
C about the avian they have continued to

234  
00:11:09,259 --> 00:11:13,909  
advocate publicly for vaccination and

235  
00:11:11,328 --> 00:11:16,399  
say the avian continues to publish false

236  
00:11:13,909 --> 00:11:18,439  
and hurtful comments about them like

237  
00:11:16,399 --> 00:11:20,750  
this Facebook post by an AV and

238  
00:11:18,440 --> 00:11:22,430  
representative one day I hope the

239  
00:11:20,750 --> 00:11:24,620  
parents of this baby tell the whole

240  
00:11:22,429 --> 00:11:26,359  
story and were able to see how they've

241  
00:11:24,620 --> 00:11:29,000  
been used by a group of ruthless

242  
00:11:26,360 --> 00:11:30,620  
scumbags with ulterior motives then

243  
00:11:29,000 --> 00:11:33,198  
maybe they'll be able to honor their

244  
00:11:30,620 --> 00:11:35,149  
child's life with truth to suggest that

245  
00:11:33,198 --> 00:11:37,159  
we're being used by a group of people

246  
00:11:35,149 --> 00:11:38,929  
that we're not honoring honoring our

247  
00:11:37,159 --> 00:11:42,549  
daughter's life with the truth is just

248  
00:11:38,929 --> 00:11:42,549  
reprehensible they're terrible people

249  
00:11:48,250 --> 00:11:52,068  
have you heard the one about how the

250  
00:11:50,120 --> 00:11:53,600  
Illuminati in conjunction with the US

251  
00:11:52,068 --> 00:11:55,370  
government are hiding the existence of

252  
00:11:53,600 --> 00:11:57,829  
aliens in order to ensure the supply of

253  
00:11:55,370 --> 00:11:59,120  
helium is kept low or the CIA the

254  
00:11:57,828 --> 00:12:00,888  
militant wing of the Freemasons are

255  
00:11:59,120 --> 00:12:02,299  
working with the elders of zion to take

256  
00:12:00,889 --> 00:12:04,818  
control of the population of the world

257

00:12:02,299 --> 00:12:06,588  
through fluoridated chemtrails canberra

258  
00:12:04,818 --> 00:12:08,088  
skeptics incorporated on behalf of the

259  
00:12:06,589 --> 00:12:09,769  
shadow government will be massing an

260  
00:12:08,089 --> 00:12:12,319  
array of dark forces for the Australian

261  
00:12:09,769 --> 00:12:14,089  
skeptics national convention 2013 this

262  
00:12:12,318 --> 00:12:15,679  
convention has conspired to coincide

263  
00:12:14,089 --> 00:12:18,019  
with the 50th anniversary of the

264  
00:12:15,679 --> 00:12:19,669  
assassination of John F Kennedy possibly

265  
00:12:18,019 --> 00:12:21,709  
the most famous conspiracy theory of all

266  
00:12:19,669 --> 00:12:23,568  
time if you've ever wanted to learn

267  
00:12:21,708 --> 00:12:25,518  
about the truth behind the death of JFK

268  
00:12:23,568 --> 00:12:27,409  
what makes for a good conspiracy theory

269  
00:12:25,519 --> 00:12:29,389  
and why they are so prevalent Canberra

270  
00:12:27,409 --> 00:12:31,129  
skeptics invites you to attend that is

271  
00:12:29,389 --> 00:12:34,159

of course should you choose to accept it

272

00:12:31,129 --> 00:12:36,740

come to national skeptics convention org

273

00:12:34,159 --> 00:12:44,870

and just remember they will be watching

274

00:12:36,740 --> 00:12:48,610

you now it's time for dr. Rachel reports

275

00:12:44,870 --> 00:12:48,610

with dr. Rachel Dunlop

276

00:12:49,220 --> 00:12:54,028

now bipartisan collie New South Wales

277

00:12:52,169 --> 00:12:56,278

and then unvaccinated children from

278

00:12:54,028 --> 00:12:57,689

preschool and childcare centers could

279

00:12:56,278 --> 00:13:00,299

gain nation wide acceptance

280

00:12:57,690 --> 00:13:03,300

controversial perhaps but life-saving

281

00:13:00,299 --> 00:13:05,429

definitely we've seen the science the

282

00:13:03,299 --> 00:13:07,519

science is compelling vaccination is a

283

00:13:05,429 --> 00:13:10,859

very good thing The ministers right

284

00:13:07,519 --> 00:13:12,929

vaccination is a very good thing but

285

00:13:10,860 --> 00:13:15,209

don't take our word for it let's go to

286  
00:13:12,929 --> 00:13:16,708  
the science magazines have saved the

287  
00:13:15,208 --> 00:13:18,989  
lives of hundreds of millions of people

288  
00:13:16,708 --> 00:13:21,778  
from diseases like diphtheria measles

289  
00:13:18,990 --> 00:13:24,049  
and whooping-cough that's a fact when

290  
00:13:21,778 --> 00:13:27,110  
vaccines are given death rates go down

291  
00:13:24,049 --> 00:13:29,219  
vaccines work in two ways first

292  
00:13:27,110 --> 00:13:31,409  
immunization protects the individual

293  
00:13:29,220 --> 00:13:33,480  
from diseases and second what enough

294  
00:13:31,409 --> 00:13:35,730  
people are immunized it reduces the

295  
00:13:33,480 --> 00:13:38,190  
spread of disease in the community that

296  
00:13:35,730 --> 00:13:39,899  
means when immunization rates drop more

297  
00:13:38,190 --> 00:13:42,180  
people are vulnerable we have

298  
00:13:39,899 --> 00:13:44,429  
immunization rates in parts of Sydney

299  
00:13:42,179 --> 00:13:46,349  
that are lower than places like Iran and

300  
00:13:44,429 --> 00:13:49,889  
Rwanda their current rates are so low

301  
00:13:46,350 --> 00:13:53,730  
that epidemics are a matter of when not

302  
00:13:49,889 --> 00:13:56,129  
if while 77,000 Australian kids aren't

303  
00:13:53,730 --> 00:13:57,959  
up to date with their immunizations only

304  
00:13:56,129 --> 00:13:59,519  
a small percentage of parents outright

305  
00:13:57,958 --> 00:14:02,009  
refused to have their children

306  
00:13:59,519 --> 00:14:04,620  
vaccinated their reasons are varied but

307  
00:14:02,009 --> 00:14:06,838  
a big element of vaccine refusal is fear

308  
00:14:04,620 --> 00:14:08,639  
of adverse reactions a vaccines of

309  
00:14:06,839 --> 00:14:11,250  
medication so they all have potential

310  
00:14:08,639 --> 00:14:12,809  
side effects but these are a much

311  
00:14:11,250 --> 00:14:14,850  
smaller risk compared to the risk of

312  
00:14:12,809 --> 00:14:17,250  
getting the disease those fears can be

313  
00:14:14,850 --> 00:14:19,139  
inflamed by misinformation you may have

314

00:14:17,250 --> 00:14:21,389  
heard of the link between vaccines and

315  
00:14:19,139 --> 00:14:23,578  
certain illnesses that they overwhelmed

316  
00:14:21,389 --> 00:14:25,409  
children's immune systems or even that

317  
00:14:23,578 --> 00:14:28,049  
the vaccine is worse than the disease

318  
00:14:25,409 --> 00:14:30,569  
rest assured all of those theories have

319  
00:14:28,049 --> 00:14:31,849  
been scientifically investigated and not

320  
00:14:30,570 --> 00:14:35,839  
one of them is

321  
00:14:31,850 --> 00:14:40,519  
it's very clear that vaccination is much

322  
00:14:35,839 --> 00:14:42,470  
safer than not vaccinating dr. Rachel

323  
00:14:40,519 --> 00:14:44,060  
Dunlop is a researcher from UTS she's

324  
00:14:42,470 --> 00:14:46,190  
also a podcaster blogger and science

325  
00:14:44,059 --> 00:14:47,869  
communicator Rachel it's alarming to

326  
00:14:46,190 --> 00:14:49,940  
hear a statistic like the fact that

327  
00:14:47,870 --> 00:14:52,009  
parts of Sydney have lower vaccination

328  
00:14:49,940 --> 00:14:53,209

rates than Rwanda oh that gets our

329

00:14:52,009 --> 00:14:56,720

attention but what does that actually

330

00:14:53,208 --> 00:14:58,129

mean um well it means Charlie that there

331

00:14:56,720 --> 00:14:59,930

are lots of kids that aren't fully

332

00:14:58,129 --> 00:15:01,208

vaccinated and that means that they're

333

00:14:59,929 --> 00:15:03,229

at risk of contracting

334

00:15:01,208 --> 00:15:06,198

vaccine-preventable diseases like

335

00:15:03,230 --> 00:15:07,730

measles like whooping cough and also it

336

00:15:06,198 --> 00:15:09,229

puts other children at risk too

337

00:15:07,730 --> 00:15:11,449

particularly very young children

338

00:15:09,230 --> 00:15:13,730

particularly babies who might not have

339

00:15:11,448 --> 00:15:14,870

had any vaccinations yet so we want to

340

00:15:13,730 --> 00:15:17,000

make sure that everyone in the community

341

00:15:14,870 --> 00:15:19,578

is protected so we need lots of people

342

00:15:17,000 --> 00:15:21,500

to get vaccinated dr. Dunlop the debate

343  
00:15:19,578 --> 00:15:23,659  
today is turned on this idea of banning

344  
00:15:21,500 --> 00:15:25,698  
children or not facts noted from going

345  
00:15:23,659 --> 00:15:27,318  
to child care or preschool are you a

346  
00:15:25,698 --> 00:15:29,809  
supporter of that do you think that is

347  
00:15:27,318 --> 00:15:31,099  
going to drive greater vaccination rates

348  
00:15:29,809 --> 00:15:32,838  
in those parts of Sydney you're talking

349  
00:15:31,100 --> 00:15:34,459  
about there are things we need to

350  
00:15:32,839 --> 00:15:36,500  
consider and that is that other children

351  
00:15:34,458 --> 00:15:38,000  
can get harmed if their children are if

352  
00:15:36,500 --> 00:15:40,490  
they haven't got enough kids that are

353  
00:15:38,000 --> 00:15:42,198  
vaccinated in a child care and sometimes

354  
00:15:40,490 --> 00:15:44,539  
there are rules in society that we need

355  
00:15:42,198 --> 00:15:46,849  
to abide by to live as a society we

356  
00:15:44,539 --> 00:15:49,129  
can't drive drunk we can't take peanut

357  
00:15:46,850 --> 00:15:51,079  
butter sandwiches to child care so maybe

358  
00:15:49,129 --> 00:15:53,149  
this will start a conversation where

359  
00:15:51,078 --> 00:15:54,739  
parents can discuss it talk about it I'm

360  
00:15:53,149 --> 00:15:56,750  
glad we're having this discussion I

361  
00:15:54,740 --> 00:15:58,970  
think it's a healthy discussion we know

362  
00:15:56,750 --> 00:16:00,350  
as scientists that vaccines are not a

363  
00:15:58,970 --> 00:16:02,300  
hundred percent safe they're not a

364  
00:16:00,350 --> 00:16:05,000  
hundred percent effective but we know

365  
00:16:02,299 --> 00:16:06,799  
the risks that are come from

366  
00:16:05,000 --> 00:16:08,990  
vaccinations are tiny tiny tiny

367  
00:16:06,799 --> 00:16:11,120  
miniscule compared to what happens with

368  
00:16:08,990 --> 00:16:12,528  
the disease so we need to discuss all

369  
00:16:11,120 --> 00:16:14,600  
these things and then parents make a

370  
00:16:12,528 --> 00:16:16,490  
decision based on the risk ratio and

371

00:16:14,600 --> 00:16:19,100  
it's absolutely the safest way to go

372  
00:16:16,490 --> 00:16:20,778  
with vaccines we deliberately decided

373  
00:16:19,100 --> 00:16:23,000  
not to give anti-vaccination groups a

374  
00:16:20,778 --> 00:16:24,528  
time on this program or communicate

375  
00:16:23,000 --> 00:16:25,669  
their arguments because we think an

376  
00:16:24,528 --> 00:16:28,370  
overwhelming amount of the research

377  
00:16:25,669 --> 00:16:30,620  
suggests that their position is invalid

378  
00:16:28,370 --> 00:16:33,740  
should we be explaining their side of

379  
00:16:30,620 --> 00:16:36,560  
this issue you know I don't think so

380  
00:16:33,740 --> 00:16:38,899  
because by giving them the same sort of

381  
00:16:36,559 --> 00:16:40,518  
time on television or on radio it

382  
00:16:38,899 --> 00:16:42,740  
creates this impression in people's

383  
00:16:40,519 --> 00:16:45,200  
minds that experts are divided or

384  
00:16:42,740 --> 00:16:47,360  
experts haven't decided and

385  
00:16:45,200 --> 00:16:49,580

every single case the science is in to

386

00:16:47,360 --> 00:16:52,399

demonstrate that vaccines are effective

387

00:16:49,580 --> 00:16:54,470

they're cheap and they are safe so it

388

00:16:52,399 --> 00:16:56,449

just confuses parents even more if you

389

00:16:54,470 --> 00:16:58,940

bring in people that have some crazy

390

00:16:56,450 --> 00:17:00,950

ideas actually and I sort of liken it to

391

00:16:58,940 --> 00:17:02,720

having a Holocaust denier on a

392

00:17:00,950 --> 00:17:04,430

discussion about world war two well you

393

00:17:02,720 --> 00:17:06,799

wouldn't do that so why bring in someone

394

00:17:04,430 --> 00:17:10,578

with crazy ideas Rachel thanks very much

395

00:17:06,799 --> 00:17:12,740

for your time tonight this is really

396

00:17:10,578 --> 00:17:14,419

important because I haven't got kids you

397

00:17:12,740 --> 00:17:16,578

go to choke in it it's like there's like

398

00:17:14,420 --> 00:17:17,959

a punch bowl of germs at the child care

399

00:17:16,578 --> 00:17:19,459

wherever and brings pours all their

400  
00:17:17,959 --> 00:17:21,709  
germs in and everyone get to take them

401  
00:17:19,459 --> 00:17:23,240  
all home so I made the put you guys

402  
00:17:21,709 --> 00:17:25,370  
earlier in the day when I raised this

403  
00:17:23,240 --> 00:17:27,440  
ever on talkback radio you get hammered

404  
00:17:25,369 --> 00:17:29,509  
with people saying vaccinations are

405  
00:17:27,440 --> 00:17:31,370  
dangerous your kids going to get autism

406  
00:17:29,509 --> 00:17:33,319  
they believe this stuff that's just not

407  
00:17:31,369 --> 00:17:34,609  
the case and not the case and it's

408  
00:17:33,319 --> 00:17:35,689  
interesting when you hear about the idea

409  
00:17:34,609 --> 00:17:38,029  
that you can't take peanut butter

410  
00:17:35,690 --> 00:17:39,200  
sandwiches do they care but kids can go

411  
00:17:38,029 --> 00:17:41,210  
on vaccinated when you hear that

412  
00:17:39,200 --> 00:17:42,830  
ultimately you guys without a new south

413  
00:17:41,210 --> 00:17:44,660  
wales for doing there's a lot of

414  
00:17:42,829 --> 00:17:46,369  
information all over the place on the

415  
00:17:44,660 --> 00:17:47,990  
internet but if you're after a balanced

416  
00:17:46,369 --> 00:17:49,459  
new to review on vaccinations head to

417  
00:17:47,990 --> 00:17:51,289  
the National Center for immunization

418  
00:17:49,460 --> 00:17:52,880  
research the links on our website the

419  
00:17:51,289 --> 00:17:55,359  
information there as well stay with us

420  
00:17:52,880 --> 00:17:55,360  
loves me

421  
00:18:02,220 --> 00:18:08,230  
the skeptic magazine be journal from

422  
00:18:05,079 --> 00:18:10,449  
Australian skeptics subscribe online to

423  
00:18:08,230 --> 00:18:15,039  
the world's second oldest skeptical

424  
00:18:10,450 --> 00:18:18,340  
magazine visit w WC optics com au and

425  
00:18:15,039 --> 00:18:21,940  
click the publication's link you can

426  
00:18:18,339 --> 00:18:25,269  
also find their over 30 years on back

427  
00:18:21,940 --> 00:18:29,759  
issues free to download the skeptic

428

00:18:25,269 --> 00:18:29,759  
magazine from Australian skeptics

429  
00:18:38,009 --> 00:18:44,500  
welcome to a week in science from our

430  
00:18:40,630 --> 00:18:47,680  
iOS this week the joy of vitamins 50

431  
00:18:44,500 --> 00:18:50,910  
shades of bacteria and Varian tales from

432  
00:18:47,680 --> 00:18:50,910  
the teeth of Neanderthals

433  
00:18:53,960 --> 00:18:59,429  
this week we have two more reasons to

434  
00:18:56,878 --> 00:19:02,069  
take our vitamins a study found at

435  
00:18:59,429 --> 00:19:05,249  
Vitamin C can kill the bacterium that

436  
00:19:02,069 --> 00:19:07,439  
causes tuberculosis the research implies

437  
00:19:05,249 --> 00:19:10,288  
that vitamin C could beneficially

438  
00:19:07,440 --> 00:19:11,849  
supplement TB chemotherapy which is

439  
00:19:10,288 --> 00:19:14,700  
currently a lengthy and often

440  
00:19:11,848 --> 00:19:16,950  
unsuccessful treatment meanwhile a study

441  
00:19:14,700 --> 00:19:18,960  
of elderly volunteers has shown that

442  
00:19:16,950 --> 00:19:21,778

taking be grouped vitamin supplements

443

00:19:18,960 --> 00:19:24,149

can reduce brain degeneration associated

444

00:19:21,778 --> 00:19:28,558

with Alzheimer's disease and cognitive

445

00:19:24,148 --> 00:19:30,358

decline have you got a dog at home then

446

00:19:28,558 --> 00:19:32,278

you might have a lot more life about

447

00:19:30,358 --> 00:19:34,949

your place than you bargained for a

448

00:19:32,278 --> 00:19:37,470

citizen science project in the US has

449

00:19:34,950 --> 00:19:40,169

shown that households with dogs are home

450

00:19:37,470 --> 00:19:43,139

to more types of bacteria than Douglas

451

00:19:40,169 --> 00:19:45,419

houses dog owners took samples from nine

452

00:19:43,138 --> 00:19:48,148

surfaces in their homes revealing

453

00:19:45,419 --> 00:19:51,509

special dog related bacteria everywhere

454

00:19:48,148 --> 00:19:54,118

from TV screens to pillowcases this

455

00:19:51,509 --> 00:19:56,700

microbial zoom maybe the reason why

456

00:19:54,118 --> 00:19:58,709

pregnant women who own dogs are less

457  
00:19:56,700 --> 00:20:02,179  
likely to have children with allergies

458  
00:19:58,710 --> 00:20:05,999  
all up the researchers found over 7,700

459  
00:20:02,179 --> 00:20:08,669  
types of bacteria in the 40 home studied

460  
00:20:05,999 --> 00:20:12,149  
you're listening to a week in science

461  
00:20:08,669 --> 00:20:15,479  
from RI oz and now for signs headlines

462  
00:20:12,148 --> 00:20:18,058  
in 30 seconds barium in the anatole

463  
00:20:15,479 --> 00:20:20,399  
children's teeth indicates they may have

464  
00:20:18,058 --> 00:20:24,388  
weaned off breast milk at a very early

465  
00:20:20,398 --> 00:20:26,699  
age the wobble of star system SS Cygni

466  
00:20:24,388 --> 00:20:30,118  
indicates it's much closer to us than

467  
00:20:26,700 --> 00:20:32,970  
previously thought a mere 372

468  
00:20:30,118 --> 00:20:35,638  
light-years captive-bred brushtail rock

469  
00:20:32,970 --> 00:20:38,038  
wallabies carry antibiotic resistant gut

470  
00:20:35,638 --> 00:20:41,008  
bacteria and may transmit them if

471  
00:20:38,038 --> 00:20:42,960  
released into the wild and finally bird

472  
00:20:41,009 --> 00:20:45,210  
wings can be built for flight or

473  
00:20:42,960 --> 00:20:49,288  
swimming but cannot be highly effective

474  
00:20:45,210 --> 00:20:52,019  
at doing both young people who undergo

475  
00:20:49,288 --> 00:20:55,169  
CT scans are twenty four percent more

476  
00:20:52,019 --> 00:20:57,929  
likely to develop cancer but the overall

477  
00:20:55,169 --> 00:20:59,849  
risk is still very low to put this

478  
00:20:57,929 --> 00:21:02,519  
statistic into perspective we would

479  
00:20:59,848 --> 00:21:04,500  
expect about 39 cancer incidents in

480  
00:21:02,519 --> 00:21:08,579  
10,000 people age

481  
00:21:04,500 --> 00:21:11,759  
between 0 and 19 if they never had a CT

482  
00:21:08,579 --> 00:21:14,970  
scan however if all 10,000 people had

483  
00:21:11,759 --> 00:21:18,059  
one CT scan each we would expect to

484  
00:21:14,970 --> 00:21:20,009  
observe an extra six cancer cases thus

485

00:21:18,059 --> 00:21:23,069  
the increased cancer risk for young

486  
00:21:20,009 --> 00:21:25,140  
people having CT scans is still very low

487  
00:21:23,069 --> 00:21:30,869  
in comparison to the benefits of using

488  
00:21:25,140 --> 00:21:32,910  
CTS as a diagnostic tool if you enjoy a

489  
00:21:30,869 --> 00:21:36,149  
week in science and want to get behind

490  
00:21:32,910 --> 00:21:38,850  
us engaging Australia with science why

491  
00:21:36,150 --> 00:21:41,430  
not join our iOS as a member memberships

492  
00:21:38,849 --> 00:21:43,289  
are affordable with great benefits your

493  
00:21:41,430 --> 00:21:46,170  
organization could also become a

494  
00:21:43,289 --> 00:21:48,329  
corporate member full details are on our

495  
00:21:46,170 --> 00:21:50,610  
website that's been the highlights of

496  
00:21:48,329 --> 00:21:52,889  
another big week in science for more

497  
00:21:50,609 --> 00:21:57,240  
information and other science news check

498  
00:21:52,890 --> 00:22:00,120  
out the are isles website are I aus ore

499  
00:21:57,240 --> 00:22:03,059

GA you where you can also sign up for

500

00:22:00,119 --> 00:22:04,859

notifications of future episodes you can

501

00:22:03,059 --> 00:22:08,700

follow a week in science on twitter

502

00:22:04,859 --> 00:22:10,769

using the hashtag weekend sigh i'm paul

503

00:22:08,700 --> 00:22:14,029

willis and on behalf of the our oils

504

00:22:10,769 --> 00:22:14,029

team see you next week

505

00:22:18,869 --> 00:22:24,329

hi this is Tim Farley you probably know

506

00:22:21,750 --> 00:22:27,119

me from what's the harm net a catalog of

507

00:22:24,329 --> 00:22:29,399

the real world harm caused by lack of

508

00:22:27,119 --> 00:22:32,579

critical thinking but that's not my only

509

00:22:29,400 --> 00:22:35,519

project i present at skeptic events I

510

00:22:32,579 --> 00:22:37,740

post a daily skeptic history fact on

511

00:22:35,519 --> 00:22:40,230

Twitter and Facebook and I blog about

512

00:22:37,740 --> 00:22:43,410

using new techniques on the internet to

513

00:22:40,230 --> 00:22:46,890

advance skepticism come over to skip

514  
00:22:43,410 --> 00:22:49,980  
tools com and check out my latest ideas

515  
00:22:46,890 --> 00:22:57,090  
but first enjoy the rest of the skeptic

516  
00:22:49,980 --> 00:23:03,450  
zone now it's time for dr. Richie

517  
00:22:57,089 --> 00:23:05,909  
reports with dr. Rachel Dunlop so I'm

518  
00:23:03,450 --> 00:23:07,920  
here at QED con in Manchester with Andy

519  
00:23:05,910 --> 00:23:09,600  
Lewis defend the famous Andy Lewis from

520  
00:23:07,920 --> 00:23:12,210  
quack Amida hi Andy hi there how are you

521  
00:23:09,599 --> 00:23:13,799  
not bad it tired how are you it was

522  
00:23:12,210 --> 00:23:15,480  
quite a busy night last night wasn't it

523  
00:23:13,799 --> 00:23:16,919  
with a lots going on and one or two

524  
00:23:15,480 --> 00:23:19,289  
drinks flying around and one or two

525  
00:23:16,920 --> 00:23:21,690  
awards as well by the way so tell us

526  
00:23:19,289 --> 00:23:23,549  
what you one loves up i won I'm ahkam

527  
00:23:21,690 --> 00:23:25,410  
award for the best blog which I'm quite

528  
00:23:23,549 --> 00:23:27,690  
amazed at actually then some over the

529  
00:23:25,410 --> 00:23:29,279  
moon as a lot of very very excellent

530  
00:23:27,690 --> 00:23:33,900  
blogs out there so I'm feeling pretty

531  
00:23:29,279 --> 00:23:35,399  
humbled well actually hung over so you

532  
00:23:33,900 --> 00:23:36,840  
had some pretty stiff competition as

533  
00:23:35,400 --> 00:23:39,420  
well didn't you yeah yeah it was haley

534  
00:23:36,839 --> 00:23:43,500  
stevens and jdc and tactful news as well

535  
00:23:39,420 --> 00:23:45,990  
or nominated so yeah yeah my turn I

536  
00:23:43,500 --> 00:23:47,308  
guess and in your acceptance speech last

537  
00:23:45,990 --> 00:23:48,569  
night you said you this is normally the

538  
00:23:47,308 --> 00:23:50,910  
time you thank your family but you

539  
00:23:48,569 --> 00:23:52,439  
didn't this time wise where oh yes I

540  
00:23:50,910 --> 00:23:55,290  
spent like a lot of bloggers I get told

541  
00:23:52,440 --> 00:23:57,000  
off as spending too much time no my

542

00:23:55,289 --> 00:23:58,529  
family are wonderful and I just spoke to

543  
00:23:57,000 --> 00:23:59,730  
my wife and she's over the moon so I'm

544  
00:23:58,529 --> 00:24:02,579  
gonna go back home and see my little

545  
00:23:59,730 --> 00:24:03,990  
babies in a minute okay so just for all

546  
00:24:02,579 --> 00:24:05,579  
this is it haven't been to cry cama de

547  
00:24:03,990 --> 00:24:07,289  
and I doubt there'd be many of them but

548  
00:24:05,579 --> 00:24:09,178  
you cover a lot of old med stuff doing

549  
00:24:07,289 --> 00:24:10,649  
yes yes oh yeah I've been doing it about

550  
00:24:09,179 --> 00:24:13,950  
five or six years now so I can't quite

551  
00:24:10,650 --> 00:24:17,490  
believe and I'm just really speaking

552  
00:24:13,950 --> 00:24:18,990  
about it the effective alternative

553  
00:24:17,490 --> 00:24:20,460  
medicine on society really I think that

554  
00:24:18,990 --> 00:24:22,980  
that's what's really most fascinating

555  
00:24:20,460 --> 00:24:24,660  
about it all and how we think about it

556  
00:24:22,980 --> 00:24:26,460

and sort of mistakes people make about

557

00:24:24,660 --> 00:24:28,710

thinking about it which lead to dreadful

558

00:24:26,460 --> 00:24:30,450

regulatory decisions and so on something

559

00:24:28,710 --> 00:24:32,970

close to your heart as well yes

560

00:24:30,450 --> 00:24:35,730

so you've taken an interest particularly

561

00:24:32,970 --> 00:24:37,230

in Steiner schools and recently haven't

562

00:24:35,730 --> 00:24:39,150

you would G walking tell us about yeah

563

00:24:37,230 --> 00:24:42,870

well that's right award of stores

564

00:24:39,150 --> 00:24:44,220

schools and Steiner schools yeah i came

565

00:24:42,869 --> 00:24:45,269

across rudolf steiner through alternate

566

00:24:44,220 --> 00:24:47,970

medicine obviously because he had some

567

00:24:45,269 --> 00:24:49,740

very very weird ideas about medicine he

568

00:24:47,970 --> 00:24:52,650

was a big supporter of his own brand of

569

00:24:49,740 --> 00:24:55,349

homeopathy and very close to me and the

570

00:24:52,650 --> 00:24:56,880

government is setting up a new free

571  
00:24:55,349 --> 00:24:59,490  
school which they're paying for which is

572  
00:24:56,880 --> 00:25:00,750  
based on Steiner principles and with two

573  
00:24:59,490 --> 00:25:02,370  
young children I thought I'd better

574  
00:25:00,750 --> 00:25:05,970  
investigate this a bit further and it's

575  
00:25:02,369 --> 00:25:07,829  
um they present themselves as sort of

576  
00:25:05,970 --> 00:25:10,319  
catering for the whole child and running

577  
00:25:07,829 --> 00:25:12,480  
around in the woods and lots of art and

578  
00:25:10,319 --> 00:25:14,220  
so on but that they're not really at all

579  
00:25:12,480 --> 00:25:15,930  
there's something quite quite sinister

580  
00:25:14,220 --> 00:25:17,549  
about them I like them to a bit like the

581  
00:25:15,930 --> 00:25:19,769  
the gingerbread house they're very

582  
00:25:17,549 --> 00:25:21,750  
luring on the outside and appealing to

583  
00:25:19,769 --> 00:25:23,009  
children and nurturing the but inside

584  
00:25:21,750 --> 00:25:25,019  
there's something quite dark and

585  
00:25:23,009 --> 00:25:27,329  
supernatural going on which is using the

586  
00:25:25,019 --> 00:25:28,619  
children so yeah and there's lots of

587  
00:25:27,329 --> 00:25:30,149  
alternative medicine going on inside

588  
00:25:28,619 --> 00:25:32,369  
these schools they treat kids with

589  
00:25:30,150 --> 00:25:35,160  
homeopathy and they don't vaccinate them

590  
00:25:32,369 --> 00:25:36,359  
and they're if they look after the

591  
00:25:35,160 --> 00:25:38,040  
doctors in the schools look at this

592  
00:25:36,359 --> 00:25:40,439  
charge spiritual development and give

593  
00:25:38,039 --> 00:25:42,779  
them curative you rythme sessions which

594  
00:25:40,440 --> 00:25:44,430  
is a strange form of dance so it's

595  
00:25:42,779 --> 00:25:46,649  
completely it's quickly completely

596  
00:25:44,430 --> 00:25:48,269  
wonderful but also very very disturbing

597  
00:25:46,650 --> 00:25:50,430  
as well I think so that's going to be

598  
00:25:48,269 --> 00:25:53,250  
funded publicly did you say yeah there's

599

00:25:50,430 --> 00:25:54,990  
about 30 or so private Steiner schools

600  
00:25:53,250 --> 00:25:56,160  
waddle schools in the UK and they're all

601  
00:25:54,990 --> 00:26:00,660  
over the world I know you've got them in

602  
00:25:56,160 --> 00:26:02,220  
Australia yeah and they up till now

603  
00:26:00,660 --> 00:26:04,380  
they've been sort of like those quaint

604  
00:26:02,220 --> 00:26:07,140  
old hippie schools you know existed on

605  
00:26:04,380 --> 00:26:09,390  
the outside of in alternative towns and

606  
00:26:07,140 --> 00:26:11,910  
so on but the government at the moment

607  
00:26:09,390 --> 00:26:13,800  
is taking schools out of local authority

608  
00:26:11,910 --> 00:26:15,269  
control and handing over money to pretty

609  
00:26:13,799 --> 00:26:16,980  
much anyone who says they can set up a

610  
00:26:15,269 --> 00:26:18,509  
school so it's not just a Steiner

611  
00:26:16,980 --> 00:26:20,339  
schools we've got the Maharishi the

612  
00:26:18,509 --> 00:26:22,680  
Transcendental Meditation people setting

613  
00:26:20,339 --> 00:26:24,449

up public schools and there's a number

614

00:26:22,680 --> 00:26:26,580

of other the creationists are trying to

615

00:26:24,450 --> 00:26:28,319

get in there as well but I picked on

616

00:26:26,579 --> 00:26:29,730

Steiner a because they're closed and be

617

00:26:28,319 --> 00:26:31,349

you know there's an alt med theme in

618

00:26:29,730 --> 00:26:32,610

there as well which is common to a lot

619

00:26:31,349 --> 00:26:34,379

of these new schools like the Maharishi

620

00:26:32,609 --> 00:26:36,329

they dish out lots of a UH Vedic

621

00:26:34,380 --> 00:26:38,040

medicine to children and so on so it's

622

00:26:36,329 --> 00:26:38,750

called very bizarre and can't quite get

623

00:26:38,039 --> 00:26:42,019

my head around

624

00:26:38,750 --> 00:26:44,720

I guess the the whole vaccination thing

625

00:26:42,019 --> 00:26:46,339

worries me and yeah there's been a lot

626

00:26:44,720 --> 00:26:48,440

of Toki this weekend about the outbreak

627

00:26:46,339 --> 00:26:51,199

in Swansea Wales at the moment which is

628  
00:26:48,440 --> 00:26:53,480  
now I think up to 700 cases or something

629  
00:26:51,200 --> 00:26:54,950  
out that the epidemic hasn't even paid

630  
00:26:53,480 --> 00:26:57,890  
yet they expect it will annexed couple

631  
00:26:54,950 --> 00:26:59,870  
of weeks so creating little pools of

632  
00:26:57,890 --> 00:27:01,850  
micro environments of unvaccinated k

633  
00:26:59,869 --> 00:27:03,379  
sounds like a very bad idea yeah

634  
00:27:01,849 --> 00:27:06,579  
absolutely that the government that

635  
00:27:03,380 --> 00:27:08,630  
actually recognizes anthroposophical

636  
00:27:06,579 --> 00:27:10,519  
organizations like Steiner schools that

637  
00:27:08,630 --> 00:27:11,840  
Antipas Uffie is a sort philosophy of

638  
00:27:10,519 --> 00:27:13,369  
Rudolf Steiner and it's not just a

639  
00:27:11,839 --> 00:27:14,779  
schools there are adult education

640  
00:27:13,369 --> 00:27:17,959  
colleges and so on but the government

641  
00:27:14,779 --> 00:27:20,990  
recognizes them was communities of

642  
00:27:17,960 --> 00:27:24,279  
unvaccinated people and children so they

643  
00:27:20,990 --> 00:27:26,210  
recognize them is a danger and indeed a

644  
00:27:24,279 --> 00:27:27,680  
lot of the outbreaks have happened over

645  
00:27:26,210 --> 00:27:29,930  
the past few years there's a there's

646  
00:27:27,680 --> 00:27:31,720  
been a Steiner community nearby and in

647  
00:27:29,930 --> 00:27:34,370  
fact the Steiner schools have an inter

648  
00:27:31,720 --> 00:27:35,779  
Steiner school Olympics and last year it

649  
00:27:34,369 --> 00:27:37,879  
was cancelled because so many of the

650  
00:27:35,779 --> 00:27:42,259  
kids had measles which is just

651  
00:27:37,880 --> 00:27:44,390  
incredible just give them among our and

652  
00:27:42,259 --> 00:27:46,640  
then they can go and play the oh no it's

653  
00:27:44,390 --> 00:27:48,440  
no brainer isn't and they missed a white

654  
00:27:46,640 --> 00:27:50,390  
word mostly about dinosaurs is having

655  
00:27:48,440 --> 00:27:52,220  
mislead parents that they don't tell

656

00:27:50,390 --> 00:27:55,160  
them they're a spiritual school and have

657  
00:27:52,220 --> 00:27:56,539  
these strange ideas obviously they on

658  
00:27:55,160 --> 00:27:58,310  
vaccinations you go to their websites

659  
00:27:56,539 --> 00:27:59,899  
and they play the usual antibac strip

660  
00:27:58,309 --> 00:28:02,119  
that the trick of saying we don't

661  
00:27:59,900 --> 00:28:04,360  
encourage or discourage parents we leave

662  
00:28:02,119 --> 00:28:06,319  
it up to the parents choice which is

663  
00:28:04,359 --> 00:28:07,729  
misdirecting really because they don't

664  
00:28:06,319 --> 00:28:10,279  
do anything to encourage it and there's

665  
00:28:07,730 --> 00:28:12,829  
a strong ethos within the school that

666  
00:28:10,279 --> 00:28:14,869  
homeopathy works and vaccination is bad

667  
00:28:12,829 --> 00:28:17,839  
and Rudolf Steiner wrote lots about this

668  
00:28:14,869 --> 00:28:21,139  
he said he said that um you know these

669  
00:28:17,839 --> 00:28:22,669  
sort of diseases were good for the

670  
00:28:21,140 --> 00:28:24,530

children's souls it helped the body to

671

00:28:22,670 --> 00:28:28,490

reform during fever which is quite a

672

00:28:24,529 --> 00:28:31,059

homeopathic idea as well and so the

673

00:28:28,490 --> 00:28:34,160

doctors there don't give antibiotics and

674

00:28:31,059 --> 00:28:36,079

don't give vaccinations because this is

675

00:28:34,160 --> 00:28:37,340

a spiritual thing for children in fact

676

00:28:36,079 --> 00:28:39,259

Steiner did actually write that if a

677

00:28:37,339 --> 00:28:42,859

child dies because of these diseases

678

00:28:39,259 --> 00:28:44,480

that is because of karma so it's because

679

00:28:42,859 --> 00:28:46,369

of booty riding this was this before we

680

00:28:44,480 --> 00:28:48,140

knew what medicine was just this a

681

00:28:46,369 --> 00:28:50,558

hundred years ago heat while he was he

682

00:28:48,140 --> 00:28:53,860

died in 1925 he was an Austrian

683

00:28:50,558 --> 00:28:56,048

and orch Roshan I think something like

684

00:28:53,859 --> 00:28:59,349

that but he was sort of leader of the

685  
00:28:56,048 --> 00:29:02,128  
German theosophical society the sort of

686  
00:28:59,349 --> 00:29:06,428  
weird mix of eastern and western occult

687  
00:29:02,128 --> 00:29:08,918  
clairvoyant dude ours but exam yeah but

688  
00:29:06,429 --> 00:29:11,470  
but he was very much a man of his time

689  
00:29:08,919 --> 00:29:13,740  
in that part of Germany he his view of

690  
00:29:11,470 --> 00:29:15,970  
spirituality was quite racist in that

691  
00:29:13,740 --> 00:29:18,638  
karma and evolution karma and

692  
00:29:15,970 --> 00:29:21,210  
reincarnation was driving forces but

693  
00:29:18,638 --> 00:29:23,918  
there was a spiritual hierarchy where

694  
00:29:21,210 --> 00:29:25,960  
black people were the lowest spiritual

695  
00:29:23,919 --> 00:29:29,230  
forms and the Aryan race was that at the

696  
00:29:25,960 --> 00:29:31,960  
moment that the supreme manifestation of

697  
00:29:29,230 --> 00:29:33,548  
spirituality so and depending what you

698  
00:29:31,960 --> 00:29:37,869  
do on this life you'll go up and down

699  
00:29:33,548 --> 00:29:39,788  
that that racist hierarchy if you'd like

700  
00:29:37,868 --> 00:29:41,109  
so it's quite dark and sinister and of

701  
00:29:39,788 --> 00:29:43,089  
course it was quite alluring I supposed

702  
00:29:41,109 --> 00:29:45,038  
to Germany at that time with everything

703  
00:29:43,089 --> 00:29:48,009  
that was going on yes is it considered a

704  
00:29:45,038 --> 00:29:50,109  
religious belief well yeah I mean

705  
00:29:48,009 --> 00:29:52,169  
getting into definitions of cults and

706  
00:29:50,109 --> 00:29:55,058  
religions there but it's it's definitely

707  
00:29:52,169 --> 00:29:57,159  
well it it's definitely a religion in

708  
00:29:55,058 --> 00:29:59,950  
that it's a belief about the spiritual

709  
00:29:57,159 --> 00:30:02,139  
world with various supernatural entities

710  
00:29:59,950 --> 00:30:03,819  
the devil's of Lucifer and arrow man

711  
00:30:02,138 --> 00:30:06,008  
backing each other with a Christ figure

712  
00:30:03,819 --> 00:30:09,128  
their redeeming in the middle so it's

713

00:30:06,009 --> 00:30:13,720  
useless got loosely Christian forms but

714  
00:30:09,128 --> 00:30:18,099  
it also aggregates in eastern ideas of

715  
00:30:13,720 --> 00:30:19,808  
reincarnation and karma but what steiner

716  
00:30:18,099 --> 00:30:21,638  
told his teachers to do in schools to

717  
00:30:19,808 --> 00:30:23,740  
deny to parents it was a religious

718  
00:30:21,638 --> 00:30:25,719  
organization to hide the spiritual

719  
00:30:23,740 --> 00:30:27,638  
aspects of him and hide the fact that

720  
00:30:25,720 --> 00:30:31,058  
the goal of the schools like spiritual

721  
00:30:27,638 --> 00:30:33,548  
midwifery actually helping children

722  
00:30:31,058 --> 00:30:35,558  
Souls incarnate into their bodies as

723  
00:30:33,548 --> 00:30:38,048  
they go through school so that's what

724  
00:30:35,558 --> 00:30:39,339  
the teachers are actually doing and they

725  
00:30:38,048 --> 00:30:41,349  
believe that reading and writing can

726  
00:30:39,339 --> 00:30:43,209  
interfere with that incarnation process

727  
00:30:41,349 --> 00:30:44,798

for any children so they don't that's

728

00:30:43,210 --> 00:30:47,440

why they don't teach children to read

729

00:30:44,798 --> 00:30:50,710

and write because yeah I'm not familiar

730

00:30:47,440 --> 00:30:52,600

we style as that name but where I know

731

00:30:50,710 --> 00:30:54,278

Waldorf schools and I was similar and

732

00:30:52,599 --> 00:30:55,839

they were kids would play in the dirt

733

00:30:54,278 --> 00:30:58,058

instead of learning mathematics is yes

734

00:30:55,839 --> 00:31:01,089

sir how do they acquire skills that's a

735

00:30:58,058 --> 00:31:02,019

very good question yeah sure but it

736

00:31:01,089 --> 00:31:02,929

depends which country and whether

737

00:31:02,019 --> 00:31:04,130

they're called water

738

00:31:02,930 --> 00:31:05,660

steiner but they're the same thing

739

00:31:04,130 --> 00:31:08,420

they're anthroposophical schools because

740

00:31:05,660 --> 00:31:10,940

Steiner setup is first score the

741

00:31:08,420 --> 00:31:16,610

waldorf-astoria cigarette factory I

742  
00:31:10,940 --> 00:31:19,070  
believe so yeah so yeah but so it's a

743  
00:31:16,609 --> 00:31:21,500  
good question I mean that people put to

744  
00:31:19,069 --> 00:31:23,240  
me yes but I i went to a wardle school

745  
00:31:21,500 --> 00:31:25,630  
and in fact I was out with dinner with

746  
00:31:23,240 --> 00:31:27,529  
the Cape Town skeptics in the autumn

747  
00:31:25,630 --> 00:31:30,230  
telling them that I was doing talking

748  
00:31:27,529 --> 00:31:32,450  
about this and and talking about Steiner

749  
00:31:30,230 --> 00:31:34,339  
schools and one of the main guys that

750  
00:31:32,450 --> 00:31:35,809  
Cape Town skeptics said but what do you

751  
00:31:34,339 --> 00:31:38,089  
mean bordel schools I said all those

752  
00:31:35,809 --> 00:31:41,480  
same thing we said I went to a waddle

753  
00:31:38,089 --> 00:31:44,509  
school I have no idea but so there are

754  
00:31:41,480 --> 00:31:46,849  
people as no nerve no no you had no idea

755  
00:31:44,509 --> 00:31:48,529  
of the underlying philosophy and because

756  
00:31:46,849 --> 00:31:51,589  
it's well hidden from parents and the

757  
00:31:48,529 --> 00:31:53,389  
children and some children will thrive

758  
00:31:51,589 --> 00:31:55,099  
there you know whether that's in spite

759  
00:31:53,390 --> 00:31:56,650  
of all because of the type of teaching

760  
00:31:55,099 --> 00:31:58,789  
and they're undoubtedly will be

761  
00:31:56,650 --> 00:32:01,910  
conscientious and good teachers within

762  
00:31:58,789 --> 00:32:04,039  
that environment as well but it there

763  
00:32:01,910 --> 00:32:06,650  
there are lots of people who don't

764  
00:32:04,039 --> 00:32:08,659  
thrive and especially forgot any

765  
00:32:06,650 --> 00:32:11,300  
learning difficulties they they have all

766  
00:32:08,660 --> 00:32:12,170  
these very weird ideas about how you

767  
00:32:11,299 --> 00:32:13,909  
know learning difficult is a

768  
00:32:12,170 --> 00:32:17,360  
manifestation of karma and so on you

769  
00:32:13,910 --> 00:32:19,130  
have to spiritually kill them so it'll

770

00:32:17,359 --> 00:32:20,359  
be responsible because your parents are

771  
00:32:19,130 --> 00:32:23,480  
enrolling their children they're not

772  
00:32:20,359 --> 00:32:25,669  
being aware of this yeah this philosophy

773  
00:32:23,480 --> 00:32:28,789  
yeah how are they able to prevent their

774  
00:32:25,670 --> 00:32:30,080  
kids from falling behind all well yeah I

775  
00:32:28,789 --> 00:32:31,250  
mean there are some parents who don't

776  
00:32:30,079 --> 00:32:33,049  
care about that they want their kids

777  
00:32:31,250 --> 00:32:35,299  
running around in the woods and painting

778  
00:32:33,049 --> 00:32:37,789  
so there are other there are the parents

779  
00:32:35,299 --> 00:32:39,200  
who you know they don't like the exams

780  
00:32:37,789 --> 00:32:41,029  
they advertise themselves as being anti

781  
00:32:39,200 --> 00:32:43,220  
exam and all that treadmill of academia

782  
00:32:41,029 --> 00:32:45,259  
which you some people might think it's a

783  
00:32:43,220 --> 00:32:47,210  
great idea but there are other parents

784  
00:32:45,259 --> 00:32:49,490

who spot their children are falling

785

00:32:47,210 --> 00:32:52,309

behind their peers you know not going to

786

00:32:49,490 --> 00:32:53,750

be and so start wondering what the

787

00:32:52,309 --> 00:32:55,369

school is they've sent into and then

788

00:32:53,750 --> 00:32:57,740

discover and that's the most shocking

789

00:32:55,369 --> 00:32:59,869

thing when they find out and so you'll

790

00:32:57,740 --> 00:33:01,190

see steines of either parents on online

791

00:32:59,869 --> 00:33:03,799

and so on and talking about this and

792

00:33:01,190 --> 00:33:05,660

campaigning against it and having very

793

00:33:03,799 --> 00:33:08,480

little effect on government policy and

794

00:33:05,660 --> 00:33:10,880

so on so but I think in the UK that that

795

00:33:08,480 --> 00:33:14,029

will come to a head because because it's

796

00:33:10,880 --> 00:33:14,790

state-funded all this idea of choice for

797

00:33:14,029 --> 00:33:16,960

parents

798

00:33:14,789 --> 00:33:18,519

there will be parents who have very

799

00:33:16,960 --> 00:33:19,690

little choice because it's the closest

800

00:33:18,519 --> 00:33:22,058

school and there's no other schools

801

00:33:19,690 --> 00:33:23,259

available and when they find out what's

802

00:33:22,058 --> 00:33:24,940

being funded thing I think in two or

803

00:33:23,259 --> 00:33:26,980

three years time it's going to be

804

00:33:24,940 --> 00:33:29,620

documentaries whatever I think it'd be

805

00:33:26,980 --> 00:33:31,329

pretty explosive really mmm so have you

806

00:33:29,619 --> 00:33:32,769

given that you've been running the blog

807

00:33:31,329 --> 00:33:35,139

for five or six years and you cover some

808

00:33:32,769 --> 00:33:37,359

stuff that I guess sacred cows to some

809

00:33:35,140 --> 00:33:39,670

people you must get some hate mail yeah

810

00:33:37,359 --> 00:33:42,009

lots of wonderful every day I'm sure you

811

00:33:39,670 --> 00:33:44,200

do as well oh yeah lots of it threats

812

00:33:42,009 --> 00:33:47,379

and things and stalkers and harasses

813  
00:33:44,200 --> 00:33:49,690  
yeah yeah funny isn't it because the old

814  
00:33:47,380 --> 00:33:51,429  
med community put pictures themselves as

815  
00:33:49,690 --> 00:33:53,950  
warm and fuzzy and unicorn and rainbow

816  
00:33:51,429 --> 00:33:57,130  
Jepsen yeah but it's not look like that

817  
00:33:53,950 --> 00:33:59,620  
in the front line is it and there's lots

818  
00:33:57,130 --> 00:34:03,730  
people feel sorry for me as well which I

819  
00:33:59,619 --> 00:34:05,319  
get most ack who much me you know you

820  
00:34:03,730 --> 00:34:07,240  
know you really ought to embrace these

821  
00:34:05,319 --> 00:34:08,529  
alternative medicines and one day you'll

822  
00:34:07,240 --> 00:34:11,199  
need them and so this but like a

823  
00:34:08,530 --> 00:34:12,940  
religion really yeah I don't I've got a

824  
00:34:11,199 --> 00:34:15,250  
god-shaped hole in my heart or whatever

825  
00:34:12,940 --> 00:34:16,869  
so you were telling me I'm on the panel

826  
00:34:15,250 --> 00:34:19,659  
we did yesterday that you actually have

827

00:34:16,869 --> 00:34:21,730  
some education in quantum and you get

828  
00:34:19,659 --> 00:34:23,950  
lectured by people quite know about the

829  
00:34:21,730 --> 00:34:25,719  
alternative meaning of quality I my PhD

830  
00:34:23,949 --> 00:34:27,969  
was in nuclear physics binder I don't

831  
00:34:25,719 --> 00:34:29,138  
really let that on because you know lots

832  
00:34:27,969 --> 00:34:31,000  
of people come in and tell me that

833  
00:34:29,139 --> 00:34:32,349  
quantum physics can explain that and

834  
00:34:31,000 --> 00:34:34,059  
I've let a few people just walk into

835  
00:34:32,349 --> 00:34:35,878  
that some academics in your tournament

836  
00:34:34,059 --> 00:34:39,039  
and who should have known better and

837  
00:34:35,878 --> 00:34:40,539  
yeah I mean it's hard I don't really

838  
00:34:39,039 --> 00:34:41,980  
understand it and you but you can you

839  
00:34:40,539 --> 00:34:44,108  
can see these by that guys have got

840  
00:34:41,980 --> 00:34:46,418  
absolutely no idea what they're talking

841  
00:34:44,108 --> 00:34:49,840

about it's just part of the incredible

842

00:34:46,418 --> 00:34:51,309

human capability to attach stories to

843

00:34:49,840 --> 00:34:54,070

your beliefs and so on isn't it quite

844

00:34:51,309 --> 00:34:55,659

amazing mm-hmm well thanks for talking

845

00:34:54,070 --> 00:34:58,510

to us earlier congrats on the award

846

00:34:55,659 --> 00:34:59,920

again thank you last night okay I love a

847

00:34:58,510 --> 00:35:00,880

good luck with all your stuff in

848

00:34:59,920 --> 00:35:02,680

Australia sounds like you're doing

849

00:35:00,880 --> 00:35:04,329

fantastic stuff with them oh yeah yeah

850

00:35:02,679 --> 00:35:06,960

things we go progress good all right

851

00:35:04,329 --> 00:35:06,960

thanks lovey

852

00:35:13,239 --> 00:35:17,539

hey guys this is jay from the skeptics

853

00:35:16,099 --> 00:35:20,150

guide to the universe whoa whoa whoa

854

00:35:17,539 --> 00:35:21,559

hold on whoa everybody knows I'm the

855

00:35:20,150 --> 00:35:23,480

only reason to listen to the Freak Show

856  
00:35:21,559 --> 00:35:29,329  
right I mean it was up to me the show

857  
00:35:23,480 --> 00:35:31,789  
would start with this yeah boy well

858  
00:35:29,329 --> 00:35:33,619  
Rebecca would hate that probably but I

859  
00:35:31,789 --> 00:35:34,940  
mean I'd rock that listen to our show

860  
00:35:33,619 --> 00:35:36,739  
and you can learn about cool stuff like

861  
00:35:34,940 --> 00:35:38,480  
a technological singularity which is

862  
00:35:36,739 --> 00:35:40,009  
someday when technology progresses so

863  
00:35:38,480 --> 00:35:41,389  
fast that it would make the Industrial

864  
00:35:40,010 --> 00:35:44,420  
Revolution look like a kid science

865  
00:35:41,389 --> 00:35:48,519  
project anyway come check us out at WWDC

866  
00:35:44,420 --> 00:35:48,519  
epic sea org and get your son

867  
00:35:56,079 --> 00:36:00,289  
what's the to you a and network stations

868  
00:35:58,369 --> 00:36:03,229  
nice to have you company on this Friday

869  
00:36:00,289 --> 00:36:04,910  
nights it's cold outside it's dark many

870  
00:36:03,228 --> 00:36:12,498  
people would say it might even be a

871  
00:36:04,909 --> 00:36:15,440  
little bit spooky you unlock this door

872  
00:36:12,498 --> 00:36:18,308  
with the key of imagination beyond it is

873  
00:36:15,440 --> 00:36:22,659  
another dimension a dimension of sound a

874  
00:36:18,309 --> 00:36:24,890  
dimension of sight a dimension of mind

875  
00:36:22,659 --> 00:36:28,159  
you're moving into a land of both shadow

876  
00:36:24,889 --> 00:36:31,868  
and substance of things and ideas you've

877  
00:36:28,159 --> 00:36:34,639  
just crossed over into the twilight zone

878  
00:36:31,869 --> 00:36:37,369  
so what do you think of all that ghosts

879  
00:36:34,639 --> 00:36:39,588  
spoon bending mind tricks the paranormal

880  
00:36:37,369 --> 00:36:41,920  
the other side clairvoyance do you

881  
00:36:39,588 --> 00:36:46,788  
believe in all that or are you a skeptic

882  
00:36:41,920 --> 00:36:48,798  
so exactly what are the skeptics and how

883  
00:36:46,789 --> 00:36:50,778  
long have they been around and I how do

884

00:36:48,798 --> 00:36:53,389  
you become a skeptic and what sort of

885  
00:36:50,778 --> 00:36:56,208  
people make up their membership well

886  
00:36:53,389 --> 00:36:58,909  
Richard Saunders is the new south wales

887  
00:36:56,208 --> 00:37:01,509  
president of the Australian skeptics

888  
00:36:58,909 --> 00:37:04,759  
they are going to be in Canberra on

889  
00:37:01,509 --> 00:37:09,108  
Saturday June the first in the lecture

890  
00:37:04,759 --> 00:37:12,289  
theatre at the CSIRO discovery center in

891  
00:37:09,108 --> 00:37:13,788  
the a.c.t it's free admission they're

892  
00:37:12,289 --> 00:37:17,259  
going to be looking at I suppose

893  
00:37:13,789 --> 00:37:19,849  
paranormal and what it's all about and

894  
00:37:17,259 --> 00:37:22,630  
they've got a differing view on all of

895  
00:37:19,849 --> 00:37:25,789  
this they've also got a

896  
00:37:22,630 --> 00:37:28,009  
one-hundred-thousand-dollar prize it all

897  
00:37:25,789 --> 00:37:29,180  
sounds fascinating overtaken Richard

898  
00:37:28,009 --> 00:37:31,130

Saunders is the new south wales

899

00:37:29,179 --> 00:37:32,328

president of the Australian skeptics and

900

00:37:31,130 --> 00:37:33,798

I'm happy to say that he joins us on the

901

00:37:32,329 --> 00:37:38,028

line how are you I'm feeling

902

00:37:33,798 --> 00:37:39,619

particularly spooky tonight on I got to

903

00:37:38,028 --> 00:37:41,358

tell you I didn't even know we had an

904

00:37:39,619 --> 00:37:43,249

organization call the Australian

905

00:37:41,358 --> 00:37:45,498

skeptics yeah well we've been around

906

00:37:43,248 --> 00:37:47,419

since about nineteen eighty one we were

907

00:37:45,498 --> 00:37:51,018

kicked off by Dick Smith Phillip Adams

908

00:37:47,420 --> 00:37:54,318

and the magician from America James

909

00:37:51,018 --> 00:37:57,228

Randi basically skepticism modern

910

00:37:54,318 --> 00:37:59,358

skepticism came about because of all the

911

00:37:57,228 --> 00:38:01,818

funny claims that we heard in the 1970s

912

00:37:59,358 --> 00:38:04,429

like people spoon benders and UFOs and

913  
00:38:01,818 --> 00:38:07,639  
Bigfoots and all the rest of it

914  
00:38:04,429 --> 00:38:10,429  
and when some magicians especially saw

915  
00:38:07,639 --> 00:38:12,230  
that what they were seeing we're really

916  
00:38:10,429 --> 00:38:13,549  
just magic tricks from the book they got

917  
00:38:12,230 --> 00:38:15,740  
a little bit upset about that because

918  
00:38:13,550 --> 00:38:18,440  
you're not supposed to you know wreck

919  
00:38:15,739 --> 00:38:21,589  
the magical art like that and so that's

920  
00:38:18,440 --> 00:38:24,650  
really how modern skepticism was born is

921  
00:38:21,590 --> 00:38:27,289  
it all hocus pocus is it all magic is it

922  
00:38:24,650 --> 00:38:29,360  
depends if somebody's doing a trick that

923  
00:38:27,289 --> 00:38:30,920  
looks like a trick then yes it's most

924  
00:38:29,360 --> 00:38:33,079  
probably a trick and so if it walks like

925  
00:38:30,920 --> 00:38:35,269  
a duck and quacks like a duck yeah more

926  
00:38:33,079 --> 00:38:36,799  
or less but the one thing the very

927  
00:38:35,269 --> 00:38:39,320  
important thing that skeptics must

928  
00:38:36,800 --> 00:38:42,110  
always do and always remember is that we

929  
00:38:39,320 --> 00:38:44,000  
must keep an open mind that is we'll go

930  
00:38:42,110 --> 00:38:46,550  
along and investigate a strange claim

931  
00:38:44,000 --> 00:38:48,889  
and and see what the truth is now if

932  
00:38:46,550 --> 00:38:50,930  
that strange claim turns out that it's

933  
00:38:48,889 --> 00:38:52,460  
really is a strange claim then we have

934  
00:38:50,929 --> 00:38:53,839  
to stand up and say well it's it's

935  
00:38:52,460 --> 00:38:56,480  
pretty spooky and we don't know what's

936  
00:38:53,840 --> 00:38:58,519  
going on you require proof don't you

937  
00:38:56,480 --> 00:38:59,869  
yeah well it's like anybody if you're

938  
00:38:58,519 --> 00:39:02,179  
going to buy a used car you know you

939  
00:38:59,869 --> 00:39:03,829  
everybody's skeptical in that respect

940  
00:39:02,179 --> 00:39:05,679  
I'll look for good evidence and they'll

941

00:39:03,829 --> 00:39:08,509  
kick the tires now do their research

942  
00:39:05,679 --> 00:39:11,119  
that's what we do with the with all the

943  
00:39:08,510 --> 00:39:13,790  
claims that we come across what do you

944  
00:39:11,119 --> 00:39:17,150  
classify as proof how much proof do you

945  
00:39:13,789 --> 00:39:19,279  
need really depends on the claim if

946  
00:39:17,150 --> 00:39:22,820  
somebody claims that they can for

947  
00:39:19,280 --> 00:39:25,010  
example use divining rods to find hidden

948  
00:39:22,820 --> 00:39:27,050  
underground water then we could put that

949  
00:39:25,010 --> 00:39:29,360  
to a very very simple test and see if

950  
00:39:27,050 --> 00:39:31,760  
they can actually do it if they can do

951  
00:39:29,360 --> 00:39:32,960  
it not only will we say yep that's you

952  
00:39:31,760 --> 00:39:35,660  
know that's pretty good proof for us

953  
00:39:32,960 --> 00:39:37,970  
then yeah they get a lot of money okay a

954  
00:39:35,659 --> 00:39:40,549  
serious question where do you guys sit

955  
00:39:37,969 --> 00:39:43,549

about the claims made by a certain

956

00:39:40,550 --> 00:39:47,240

gentleman 2000 years ago we generally

957

00:39:43,550 --> 00:39:49,730

unless they can be tested leave that to

958

00:39:47,239 --> 00:39:51,799

everybody's personal opinion and belief

959

00:39:49,730 --> 00:39:54,380

that's fine I mean we live in a free

960

00:39:51,800 --> 00:39:56,030

society there are lots of people who

961

00:39:54,380 --> 00:39:57,559

believe in lots of different gods and

962

00:39:56,030 --> 00:39:59,960

religious backgrounds and all sorts of

963

00:39:57,559 --> 00:40:01,759

things do that that's you know we will

964

00:39:59,960 --> 00:40:04,340

protect that that's part of living in a

965

00:40:01,760 --> 00:40:07,610

free society but if they say oh and by

966

00:40:04,340 --> 00:40:09,769

the way uh this statue is weeping blood

967

00:40:07,610 --> 00:40:11,450

or this person can now walk because

968

00:40:09,769 --> 00:40:12,980

somebody healed them through a miracle

969

00:40:11,449 --> 00:40:17,210

well that's something we can really

970  
00:40:12,980 --> 00:40:18,050  
investigate okay so why did you guys get

971  
00:40:17,210 --> 00:40:21,110  
together in the

972  
00:40:18,050 --> 00:40:22,039  
place we were a little bit angry that

973  
00:40:21,110 --> 00:40:24,950  
there was a lot of misinformation out

974  
00:40:22,039 --> 00:40:26,690  
there partly yeah and as I said before

975  
00:40:24,949 --> 00:40:29,649  
partly because there were people out

976  
00:40:26,690 --> 00:40:32,090  
there really raining on the parade of

977  
00:40:29,650 --> 00:40:34,700  
good decent honest hard-working

978  
00:40:32,090 --> 00:40:37,160  
magicians right now when you go to see a

979  
00:40:34,699 --> 00:40:38,719  
magic gap it's you know that it's a

980  
00:40:37,159 --> 00:40:40,460  
trick and the magician knows it's a

981  
00:40:38,719 --> 00:40:42,199  
trick and you all know it's a trick but

982  
00:40:40,460 --> 00:40:44,449  
the idea is to be fooled and have a

983  
00:40:42,199 --> 00:40:46,969  
great time and be really entertained but

984  
00:40:44,449 --> 00:40:50,569  
what some people do to this day is they

985  
00:40:46,969 --> 00:40:52,250  
use those same magic tricks um and pull

986  
00:40:50,570 --> 00:40:54,320  
the wool over people's eyes and pretend

987  
00:40:52,250 --> 00:40:57,199  
that they're actually really divine or

988  
00:40:54,320 --> 00:40:58,400  
miracles or something okay so if there's

989  
00:40:57,199 --> 00:41:00,230  
people listening to you and I talked

990  
00:40:58,400 --> 00:41:02,000  
about all this now I'm just wondering

991  
00:41:00,230 --> 00:41:03,860  
how many people out there are skeptics

992  
00:41:02,000 --> 00:41:05,690  
but don't realize it what do you

993  
00:41:03,860 --> 00:41:07,760  
classify as how do you classify yourself

994  
00:41:05,690 --> 00:41:10,119  
as a skeptic I think a good good

995  
00:41:07,760 --> 00:41:12,620  
definition of a skeptic is somebody who

996  
00:41:10,119 --> 00:41:14,509  
makes up their mind based on the best

997  
00:41:12,619 --> 00:41:17,000  
available evidence which is basically

998

00:41:14,510 --> 00:41:19,640  
science that their science works it's

999  
00:41:17,000 --> 00:41:22,280  
not afraid to have that worldview

1000  
00:41:19,639 --> 00:41:24,230  
challenged but really says okay but you

1001  
00:41:22,280 --> 00:41:27,260  
must really can't come up with the goods

1002  
00:41:24,230 --> 00:41:29,719  
where's the really good evidence stories

1003  
00:41:27,260 --> 00:41:31,700  
aren't evidence testimonials aren't

1004  
00:41:29,719 --> 00:41:33,589  
evidence we need a bit more we're better

1005  
00:41:31,699 --> 00:41:35,299  
than that what about people and I've had

1006  
00:41:33,590 --> 00:41:36,980  
them bring the radio station Richard I

1007  
00:41:35,300 --> 00:41:40,130  
think we spoke about this many many

1008  
00:41:36,980 --> 00:41:42,559  
weeks ago in regards to ghosts yeah and

1009  
00:41:40,130 --> 00:41:44,900  
how many people were very genuine about

1010  
00:41:42,559 --> 00:41:49,309  
seeing ghosts and seeing loved ones

1011  
00:41:44,900 --> 00:41:51,289  
after they had passed away is I mean and

1012  
00:41:49,309 --> 00:41:53,690

look you know though they were the full

1013

00:41:51,289 --> 00:41:56,509

bottle there was no full moon and they

1014

00:41:53,690 --> 00:41:59,720

were quite legitimate is is that what

1015

00:41:56,510 --> 00:42:02,120

the mind playing tricks with you what is

1016

00:41:59,719 --> 00:42:04,369

ordered able to believe that much of

1017

00:42:02,119 --> 00:42:08,690

that person was still around how do you

1018

00:42:04,369 --> 00:42:11,809

logically I suppose explain what they

1019

00:42:08,690 --> 00:42:14,300

saw well that's the really big thing the

1020

00:42:11,809 --> 00:42:17,329

thing we ask in in skepticism first of

1021

00:42:14,300 --> 00:42:19,039

up is not how something happened is if

1022

00:42:17,329 --> 00:42:20,809

something happened right now that

1023

00:42:19,039 --> 00:42:22,429

getting back to what I said people

1024

00:42:20,809 --> 00:42:24,619

saying something happened or writing it

1025

00:42:22,429 --> 00:42:26,419

down and saying I swear it happened it's

1026

00:42:24,619 --> 00:42:28,519

it there's not much we can do about that

1027  
00:42:26,420 --> 00:42:30,230  
it might have happened well maybe they

1028  
00:42:28,519 --> 00:42:31,840  
saw they did their the dead

1029  
00:42:30,230 --> 00:42:33,400  
great-grandfather maybe they

1030  
00:42:31,840 --> 00:42:36,070  
did you know who we to say they didn't

1031  
00:42:33,400 --> 00:42:38,320  
yeah but just saying so unfortunately

1032  
00:42:36,070 --> 00:42:41,230  
it's just not really convincing evidence

1033  
00:42:38,320 --> 00:42:44,230  
but it can be many things from from a

1034  
00:42:41,230 --> 00:42:46,929  
deep and desperate need for something to

1035  
00:42:44,230 --> 00:42:48,849  
be true or a Miss mistake those you know

1036  
00:42:46,929 --> 00:42:50,349  
honestly mistaken sometimes there's a

1037  
00:42:48,849 --> 00:42:52,779  
waking dream there's lots of things what

1038  
00:42:50,349 --> 00:42:54,069  
are you doing in camera on Saturday the

1039  
00:42:52,780 --> 00:42:56,260  
first because this program is being

1040  
00:42:54,070 --> 00:42:57,550  
broadcasted to CC in Canberra what have

1041  
00:42:56,260 --> 00:42:59,080  
you got on offer for people to live in

1042  
00:42:57,550 --> 00:43:00,280  
Canberra well I'm going to be giving a

1043  
00:42:59,079 --> 00:43:02,500  
talk about all sorts of interesting

1044  
00:43:00,280 --> 00:43:04,690  
investigations including ghosts right

1045  
00:43:02,500 --> 00:43:06,550  
the investigations I've been involved

1046  
00:43:04,690 --> 00:43:08,200  
with and having a look having a look at

1047  
00:43:06,550 --> 00:43:10,000  
how some people appear to talk to the

1048  
00:43:08,199 --> 00:43:12,519  
dead i'll be giving spoon bending

1049  
00:43:10,000 --> 00:43:15,159  
lessons so if anybody will ever wanted

1050  
00:43:12,519 --> 00:43:17,590  
to know how to bend a spoon better than

1051  
00:43:15,159 --> 00:43:19,289  
a certain moon bender from the 70s i'll

1052  
00:43:17,590 --> 00:43:22,150  
certainly show them how to do that right

1053  
00:43:19,289 --> 00:43:23,559  
asking answering questions people can

1054  
00:43:22,150 --> 00:43:25,809  
ask me questions about all sorts of

1055

00:43:23,559 --> 00:43:29,170  
things and hopefully just having a good

1056  
00:43:25,809 --> 00:43:31,360  
time and I'm really really saying that

1057  
00:43:29,170 --> 00:43:34,360  
skepticism is great it's fun it's

1058  
00:43:31,360 --> 00:43:36,099  
interesting and you get to I get to go

1059  
00:43:34,360 --> 00:43:37,720  
around the world just this year I've

1060  
00:43:36,099 --> 00:43:39,190  
been to Norway I've been to Ireland I've

1061  
00:43:37,719 --> 00:43:42,219  
been to the Czech Republic I've been to

1062  
00:43:39,190 --> 00:43:44,740  
America and the UK giving talks and

1063  
00:43:42,219 --> 00:43:47,049  
having a great time skepticism is a lot

1064  
00:43:44,739 --> 00:43:48,849  
of fun where are where are the the

1065  
00:43:47,050 --> 00:43:50,590  
greatest concentration of skeptics

1066  
00:43:48,849 --> 00:43:53,529  
around the world that's a really good

1067  
00:43:50,590 --> 00:43:55,090  
question i got i don't know well and

1068  
00:43:53,530 --> 00:43:58,090  
also i suppose the other question to ask

1069  
00:43:55,090 --> 00:44:00,220

you is where in the world do you find at

1070

00:43:58,090 --> 00:44:03,579

the hardest to get your movement up and

1071

00:44:00,219 --> 00:44:06,609

running well I it's pretty difficult in

1072

00:44:03,579 --> 00:44:09,639

places like I know the Indian skeptic

1073

00:44:06,610 --> 00:44:11,710

strong pretty hard time because they're

1074

00:44:09,639 --> 00:44:14,920

battling a lot of very old beliefs

1075

00:44:11,710 --> 00:44:17,320

artists and people get angry people will

1076

00:44:14,920 --> 00:44:18,730

turn on you if you're if you dare

1077

00:44:17,320 --> 00:44:20,230

question your beliefs and you know in

1078

00:44:18,730 --> 00:44:22,570

some countries you know you get into big

1079

00:44:20,230 --> 00:44:25,269

trouble if you question beliefs but even

1080

00:44:22,570 --> 00:44:27,640

here if I say I try to be calm and

1081

00:44:25,269 --> 00:44:30,750

polite and straightforward people get

1082

00:44:27,639 --> 00:44:33,429

very upset if you say you're a skeptic

1083

00:44:30,750 --> 00:44:36,639

but I think you're really in some of the

1084  
00:44:33,429 --> 00:44:37,989  
countries in Africa that there's they

1085  
00:44:36,639 --> 00:44:40,960  
have a hard time because they've been

1086  
00:44:37,989 --> 00:44:43,239  
attacked yeah skeptics get attacked

1087  
00:44:40,960 --> 00:44:44,829  
because in some parts of Africa they

1088  
00:44:43,239 --> 00:44:45,729  
still believe in witches and things like

1089  
00:44:44,829 --> 00:44:47,108  
that so

1090  
00:44:45,730 --> 00:44:48,400  
there's a lot of superstition out that

1091  
00:44:47,108 --> 00:44:49,869  
the battle would it be fair to say that

1092  
00:44:48,400 --> 00:44:52,960  
if you're a skeptic you're also an

1093  
00:44:49,869 --> 00:44:54,670  
atheist oh no absolutely not we have

1094  
00:44:52,960 --> 00:44:56,829  
people in there Estonian skeptics from

1095  
00:44:54,670 --> 00:44:58,269  
all walks of life all religions we don't

1096  
00:44:56,829 --> 00:44:59,889  
worry about that it's that personal

1097  
00:44:58,269 --> 00:45:02,199  
belief if they want to do the Earth's

1098  
00:44:59,889 --> 00:45:05,349  
fine if they want to investigate a ghost

1099  
00:45:02,199 --> 00:45:07,750  
or spoon bending your UFOs or ESP or the

1100  
00:45:05,349 --> 00:45:09,190  
claims of old medicine they can have

1101  
00:45:07,750 --> 00:45:12,070  
whatever religion they like this is a

1102  
00:45:09,190 --> 00:45:14,889  
sort of two different topics tell me

1103  
00:45:12,070 --> 00:45:19,840  
you've had an offer on the table since

1104  
00:45:14,889 --> 00:45:22,509  
1980 yeah explain all you have to do to

1105  
00:45:19,840 --> 00:45:24,070  
win a truckload of money a hundred

1106  
00:45:22,510 --> 00:45:26,530  
thousand dollars in this country and a

1107  
00:45:24,070 --> 00:45:28,660  
million dollars in the US history is

1108  
00:45:26,530 --> 00:45:31,540  
very very simple you have to show us in

1109  
00:45:28,659 --> 00:45:34,299  
an agreed test that you can do anything

1110  
00:45:31,539 --> 00:45:37,210  
supernatural or paranormal and all we

1111  
00:45:34,300 --> 00:45:39,640  
need to know all we ask of anybody is

1112

00:45:37,210 --> 00:45:42,579  
saying what is your claim clearly what

1113  
00:45:39,639 --> 00:45:44,230  
is your claim 12 under what conditions

1114  
00:45:42,579 --> 00:45:45,608  
can you do your claims that every second

1115  
00:45:44,230 --> 00:45:47,559  
Tuesday's isn't comfortable room

1116  
00:45:45,608 --> 00:45:49,420  
whatever you like and three what success

1117  
00:45:47,559 --> 00:45:51,219  
rate do you normally have once we know

1118  
00:45:49,420 --> 00:45:53,980  
that we can get together with whoever it

1119  
00:45:51,219 --> 00:45:57,339  
is work out a simple test that they will

1120  
00:45:53,980 --> 00:46:00,130  
pass if they have the abilities after 30

1121  
00:45:57,340 --> 00:46:01,450  
years no one has passed how many have

1122  
00:46:00,130 --> 00:46:03,430  
come forward and said I'll give it a go

1123  
00:46:01,449 --> 00:46:05,469  
good question over the over the years

1124  
00:46:03,429 --> 00:46:07,750  
quite a lot in this country mostly water

1125  
00:46:05,469 --> 00:46:09,250  
diviners but certainly around the world

1126  
00:46:07,750 --> 00:46:10,840

and other organizations have lots of

1127

00:46:09,250 --> 00:46:13,358

money on offer to there'd be hundreds

1128

00:46:10,840 --> 00:46:15,460

over the years water diviners they were

1129

00:46:13,358 --> 00:46:17,858

looking for water with what two bits of

1130

00:46:15,460 --> 00:46:19,420

sticks sticks or wires or pendulums or

1131

00:46:17,858 --> 00:46:22,299

their bare hands and all sorts of things

1132

00:46:19,420 --> 00:46:24,309

are sadly with all the years we've been

1133

00:46:22,300 --> 00:46:25,840

testing no one has ever shown us that

1134

00:46:24,309 --> 00:46:28,119

they can actually find it better than

1135

00:46:25,840 --> 00:46:30,880

random chance and rolling a diet tea

1136

00:46:28,119 --> 00:46:33,130

quietly to yourself in the course a TI

1137

00:46:30,880 --> 00:46:35,170

before I baguettes it well I'll be

1138

00:46:33,130 --> 00:46:38,380

really blunt with you if anybody comes

1139

00:46:35,170 --> 00:46:41,650

along and shows us a paranormal power

1140

00:46:38,380 --> 00:46:43,510

like water divining with the dead well

1141  
00:46:41,650 --> 00:46:45,940  
then I could probably turn around and

1142  
00:46:43,510 --> 00:46:47,950  
come go to a media outlet and have say

1143  
00:46:45,940 --> 00:46:49,990  
well i found this person i want a

1144  
00:46:47,949 --> 00:46:52,239  
million dollars for the story you see

1145  
00:46:49,989 --> 00:46:54,279  
what I mean it would be great for me to

1146  
00:46:52,239 --> 00:46:56,649  
find somebody and but more importantly

1147  
00:46:54,280 --> 00:46:59,200  
more importantly it would open up an

1148  
00:46:56,650 --> 00:47:01,720  
incredible new realm of sign

1149  
00:46:59,199 --> 00:47:04,088  
science first to study how would you

1150  
00:47:01,719 --> 00:47:05,939  
test somebody that claims that they can

1151  
00:47:04,088 --> 00:47:08,320  
speak to people that have passed away

1152  
00:47:05,940 --> 00:47:11,639  
good question again it depends on

1153  
00:47:08,320 --> 00:47:14,230  
exactly what they say they can do rice

1154  
00:47:11,639 --> 00:47:15,789  
we could certainly arrange for them to

1155  
00:47:14,230 --> 00:47:18,369  
meet somebody maybe they've never met

1156  
00:47:15,789 --> 00:47:21,070  
before we'd know the backstory of their

1157  
00:47:18,369 --> 00:47:23,440  
they're dead yes example and yes we

1158  
00:47:21,070 --> 00:47:25,088  
could do a checklist what are the things

1159  
00:47:23,440 --> 00:47:27,010  
people don't do when they go have to

1160  
00:47:25,088 --> 00:47:28,750  
have a psychic reading we find as they

1161  
00:47:27,010 --> 00:47:31,450  
usually don't ask questions they usually

1162  
00:47:28,750 --> 00:47:33,369  
sit there and let the the the reader ask

1163  
00:47:31,449 --> 00:47:34,929  
all the questions hello dearie who's

1164  
00:47:33,369 --> 00:47:37,390  
there's a father figure who's passed

1165  
00:47:34,929 --> 00:47:39,399  
over I'm getting the initial M around me

1166  
00:47:37,389 --> 00:47:40,838  
now what this reader is doing is is

1167  
00:47:39,400 --> 00:47:42,639  
they're really asking lots of questions

1168  
00:47:40,838 --> 00:47:46,088  
of the sitter and they're very good at

1169

00:47:42,639 --> 00:47:48,519  
ruling body language yes but it's more

1170  
00:47:46,088 --> 00:47:50,559  
it's more to do in the mind of the

1171  
00:47:48,519 --> 00:47:53,019  
person who's go long gone along to the

1172  
00:47:50,559 --> 00:47:55,509  
psychic to be read they put all the

1173  
00:47:53,019 --> 00:47:58,300  
connections together to make it work and

1174  
00:47:55,510 --> 00:48:00,430  
make it happen for them so do you ask

1175  
00:47:58,300 --> 00:48:03,430  
yourselves the big questions I mean

1176  
00:48:00,429 --> 00:48:06,848  
things like is our is our life already

1177  
00:48:03,429 --> 00:48:09,669  
planned out Forks I mean I'm just trying

1178  
00:48:06,849 --> 00:48:11,588  
to work out it is that belief system

1179  
00:48:09,670 --> 00:48:15,460  
isn't it I think I'd rather I'd rather

1180  
00:48:11,588 --> 00:48:17,199  
spend my time hunting UFOs I'll leave

1181  
00:48:15,460 --> 00:48:19,480  
that the Philosopher's I hope my life's

1182  
00:48:17,199 --> 00:48:23,409  
not all really old Destin and planned

1183  
00:48:19,480 --> 00:48:25,329

out for me I mean I how do we find out

1184

00:48:23,409 --> 00:48:28,328

more about your lecture Saturday first

1185

00:48:25,329 --> 00:48:30,849

of June 130 da Street it's free it's

1186

00:48:28,329 --> 00:48:33,339

free absolutely the best the easiest way

1187

00:48:30,849 --> 00:48:36,970

you have to simply go to Canberra

1188

00:48:33,338 --> 00:48:38,799

skeptics org dot a you yes all the

1189

00:48:36,969 --> 00:48:40,449

informations then we spell skeptics with

1190

00:48:38,800 --> 00:48:45,130

a k because oh it's a long story but

1191

00:48:40,449 --> 00:48:47,529

it's gonna ask you that well the truth

1192

00:48:45,130 --> 00:48:50,230

is when the Australian skeptic started

1193

00:48:47,530 --> 00:48:51,819

we nicked the letterhead or the masthead

1194

00:48:50,230 --> 00:48:53,650

from the American magazine and they

1195

00:48:51,818 --> 00:48:57,159

spelled it with a k I mean I don't know

1196

00:48:53,650 --> 00:48:58,900

those damn Americans listen Grampa

1197

00:48:57,159 --> 00:49:00,879

skeptics dot org are you all the

1198  
00:48:58,900 --> 00:49:02,858  
information there and as i say i'll be

1199  
00:49:00,880 --> 00:49:04,539  
happy to do spoon bending listen good on

1200  
00:49:02,858 --> 00:49:06,309  
your rigid great to talk to you thank

1201  
00:49:04,539 --> 00:49:08,409  
you thank you so much bye bye Richard

1202  
00:49:06,309 --> 00:49:11,170  
Saunders joining us on the line he is

1203  
00:49:08,409 --> 00:49:12,420  
the the president of the New South Wales

1204  
00:49:11,170 --> 00:49:14,639  
president of the

1205  
00:49:12,420 --> 00:49:15,869  
Australian skeptics Association so you

1206  
00:49:14,639 --> 00:49:18,179  
can jump on their website Canberra

1207  
00:49:15,869 --> 00:49:21,449  
skeptics dot org dot a you are you a

1208  
00:49:18,179 --> 00:49:25,500  
skeptic or do you believe and I just

1209  
00:49:21,449 --> 00:49:27,929  
wonder what experiences have you had or

1210  
00:49:25,500 --> 00:49:30,449  
do you think it's just I a lot of

1211  
00:49:27,929 --> 00:49:32,909  
hocus-pocus it is very true what richard

1212  
00:49:30,449 --> 00:49:34,469  
has just said that if you ever go to a

1213  
00:49:32,909 --> 00:49:37,349  
clairvoyant and look on I have to admit

1214  
00:49:34,469 --> 00:49:40,319  
I've been out of curiosity sake they do

1215  
00:49:37,349 --> 00:49:42,420  
do all the talking and you don't ask

1216  
00:49:40,320 --> 00:49:43,860  
questions and I think sometimes maybe

1217  
00:49:42,420 --> 00:49:46,139  
you don't ask questions because you

1218  
00:49:43,860 --> 00:49:48,329  
don't want to let on anything in case

1219  
00:49:46,139 --> 00:49:51,119  
because in the back of your mind I'm

1220  
00:49:48,329 --> 00:49:54,869  
sure you think that it is possibly hocus

1221  
00:49:51,119 --> 00:49:57,359  
pocus so you sit there like with a poker

1222  
00:49:54,869 --> 00:49:58,980  
face because you don't want to let

1223  
00:49:57,360 --> 00:50:01,530  
anything on anyway what are your

1224  
00:49:58,980 --> 00:50:05,960  
thoughts are your skeptic or do you

1225  
00:50:01,530 --> 00:50:05,960  
believe 13 13 32 that's our telephone

1226

00:50:14,840 --> 00:50:18,890  
I'm Eugenie Scott executive director of

1227  
00:50:17,570 --> 00:50:21,890  
the National Center for Science

1228  
00:50:18,889 --> 00:50:23,690  
Education in Oakland California we

1229  
00:50:21,889 --> 00:50:25,519  
defend and support the teaching of

1230  
00:50:23,690 --> 00:50:27,380  
evolution and climate change when it

1231  
00:50:25,519 --> 00:50:29,509  
comes under attack for religious and

1232  
00:50:27,380 --> 00:50:31,940  
political reasons we help teachers

1233  
00:50:29,510 --> 00:50:34,580  
parents school boards and other citizens

1234  
00:50:31,940 --> 00:50:38,119  
defend good science in the schools come

1235  
00:50:34,579 --> 00:50:40,699  
visit us at NCC calm and on YouTube and

1236  
00:50:38,119 --> 00:50:42,500  
Facebook and let us know if science

1237  
00:50:40,699 --> 00:50:45,939  
comes under attack in your community

1238  
00:50:42,500 --> 00:50:45,940  
we're here to help

1239  
00:50:57,849 --> 00:51:02,690  
thank you for listening to the skeptic

1240  
00:51:00,260 --> 00:51:06,890

zone and I hope you're as angry as I am

1241  
00:51:02,690 --> 00:51:08,150  
about the insane and sick behavior of

1242  
00:51:06,889 --> 00:51:10,759  
those people at the Australian

1243  
00:51:08,150 --> 00:51:13,160  
anti-vaccination network and well done

1244  
00:51:10,760 --> 00:51:15,770  
dr. he4 your continuing campaigning

1245  
00:51:13,159 --> 00:51:18,289  
against these people and good to see you

1246  
00:51:15,769 --> 00:51:19,730  
and hear you on the project and thank

1247  
00:51:18,289 --> 00:51:22,309  
you to all those people who keep writing

1248  
00:51:19,730 --> 00:51:24,829  
in to say how much you enjoyed solar

1249  
00:51:22,309 --> 00:51:26,210  
flare it's really nice in fact I just

1250  
00:51:24,829 --> 00:51:27,710  
noticed a spike in the number of

1251  
00:51:26,210 --> 00:51:30,650  
downloads so that's really good to see

1252  
00:51:27,710 --> 00:51:32,358  
solar flare a lot of fun we even poked

1253  
00:51:30,650 --> 00:51:34,970  
fun at the anti-vaxxers in at big time

1254  
00:51:32,358 --> 00:51:38,299  
if you haven't heard solar flare just go

1255  
00:51:34,969 --> 00:51:40,309  
to ww skeptic zone TV scroll down a

1256  
00:51:38,300 --> 00:51:43,250  
little bit annual see the link solar

1257  
00:51:40,309 --> 00:51:44,809  
flare the great space adventure well I

1258  
00:51:43,250 --> 00:51:47,539  
better get myself together and start

1259  
00:51:44,809 --> 00:51:50,960  
working on the finishing touches for my

1260  
00:51:47,539 --> 00:51:53,059  
talk in Canberra on Saturday hope to see

1261  
00:51:50,960 --> 00:51:55,280  
you there but for now this is Richard

1262  
00:51:53,059 --> 00:52:01,190  
Saunders signing off from Sydney

1263  
00:51:55,280 --> 00:52:05,869  
Australia you've been listening to the

1264  
00:52:01,190 --> 00:52:09,710  
skeptic zone visit our website at www

1265  
00:52:05,869 --> 00:52:13,420  
skeptics on TV for comments contacts and

1266  
00:52:09,710 --> 00:52:13,420  
extra video reports