

**SKEPTIC  
ZONE**



THINKING CAPS  
MUST BE WORN  
IN THIS AREA

The  
Podcast  
from  
Australia  
for  
Science  
and  
Reason

[www.skepticzone.tv](http://www.skepticzone.tv)

1  
00:00:11,900 --> 00:00:21,120

Oh

2  
00:00:27,420 --> 00:00:24,040

hello and welcome to the skeptic zone

3  
00:00:30,130 --> 00:00:27,430

show number 16 for the six of february

4  
00:00:32,530 --> 00:00:30,140

2009 couple of interesting stories we

5  
00:00:34,900 --> 00:00:32,540

have for you today let's kick off with

6  
00:00:37,360 --> 00:00:34,910

an interview dr. Rachel conducted with

7  
00:00:39,700 --> 00:00:37,370

Ben Goldacre from the bad science blogs

8  
00:00:41,350 --> 00:00:39,710

that'll be followed by a short report

9  
00:00:43,990 --> 00:00:41,360

where some of us went looking for a

10  
00:00:46,180 --> 00:00:44,000

miracle miracle apparition here in

11  
00:00:48,520 --> 00:00:46,190

Sydney on one of the beaches a vision of

12  
00:00:50,229 --> 00:00:48,530

the Virgin Mary and then we'll have an

13  
00:00:52,720 --> 00:00:50,239

interview with current New South Wales

14

00:00:55,509 --> 00:00:52,730

president of Australian skeptics peterb

15

00:01:04,150 --> 00:00:55,519

outage otherwise known as ratbags where

16

00:01:06,100 --> 00:01:04,160

he will discuss quackery dr. Ben

17

00:01:08,830 --> 00:01:06,110

Goldacre is an award-winning writer

18

00:01:10,840 --> 00:01:08,840

broadcaster and medical doctor who has

19

00:01:13,930 --> 00:01:10,850

written the weekly bad science column in

20

00:01:16,450 --> 00:01:13,940

The Guardian since 2003 he appears

21

00:01:18,669 --> 00:01:16,460

regularly on radio 4 and television and

22

00:01:21,219 --> 00:01:18,679

has written for Time Out New Statesman

23

00:01:24,160 --> 00:01:21,229

and the British Medical Journal as well

24

00:01:26,859 --> 00:01:24,170

as various book chapters his book bad

25

00:01:30,230 --> 00:01:26,869

science was released in october 2008 and

26  
00:01:32,609 --> 00:01:30,240  
has since gone on to be a best-seller

27  
00:01:34,109 --> 00:01:32,619  
and welcome to the skeptics I'm Ben

28  
00:01:37,950 --> 00:01:34,119  
Goldacre thank you for talking to us

29  
00:01:40,020 --> 00:01:37,960  
today hey hi good fun now Ben you bum

30  
00:01:41,850 --> 00:01:40,030  
got some sort you've got some science

31  
00:01:43,830 --> 00:01:41,860  
journalism in your family and in fact of

32  
00:01:46,469 --> 00:01:43,840  
interest to our Australian listeners

33  
00:01:48,359 --> 00:01:46,479  
would be that your uncle is the highly

34  
00:01:49,710 --> 00:01:48,369  
respected science broadcaster Robin

35  
00:01:51,930 --> 00:01:49,720  
Williams who's the host of the

36  
00:01:53,940 --> 00:01:51,940  
long-running ABC radio show the science

37  
00:01:55,139 --> 00:01:53,950  
show amongst others can you tell us how

38  
00:01:57,840 --> 00:01:55,149

you became involved in science

39

00:02:01,529 --> 00:01:57,850

journalism yeah I mean it's completely

40

00:02:03,330 --> 00:02:01,539

unglamorous I am I like most nerds sort

41

00:02:04,980 --> 00:02:03,340

of recognized that almost everything I

42

00:02:06,450 --> 00:02:04,990

read in the newspapers that had anything

43

00:02:09,059 --> 00:02:06,460

to do with science or health thing to be

44

00:02:12,479 --> 00:02:09,069

sort of significantly wrong in a lot of

45

00:02:13,530 --> 00:02:12,489

cases so I just sort of i just i rang up

46

00:02:14,610 --> 00:02:13,540

the Guardian I mean people sort of

47

00:02:16,380 --> 00:02:14,620

imagined that breaking into the media

48

00:02:17,880 --> 00:02:16,390

must be amazingly difficult but on the

49

00:02:20,190 --> 00:02:17,890

letters page there's they have the

50

00:02:21,990 --> 00:02:20,200

address and the switchboard number and I

51  
00:02:25,080 --> 00:02:22,000  
just rang that up and said can I write

52  
00:02:27,030 --> 00:02:25,090  
for you and and they said yes and it's a

53  
00:02:30,930 --> 00:02:27,040  
bit ly couldn't be any less complicated

54  
00:02:32,720 --> 00:02:30,940  
really well and that was in 2003 you

55  
00:02:34,740 --> 00:02:32,730  
started writing the bad science column

56  
00:02:35,910 --> 00:02:34,750  
yeah yeah I mean I've done a couple of

57  
00:02:38,130 --> 00:02:35,920  
little bits and bobs here and there but

58  
00:02:39,449 --> 00:02:38,140  
not very much really and you know I mean

59  
00:02:42,420 --> 00:02:39,459  
I just sort of accidentally fell into it

60  
00:02:45,020 --> 00:02:42,430  
okay well your blog which is also called

61  
00:02:47,970 --> 00:02:45,030  
bad science reports on the media's

62  
00:02:49,319 --> 00:02:47,980  
misrepresentation of science and one of

63  
00:02:50,940 --> 00:02:49,329

your most recent victories in this

64

00:02:52,830 --> 00:02:50,950

regard been occurred a couple of weeks

65

00:02:55,470 --> 00:02:52,840

ago and it was involving an interview

66

00:02:59,670 --> 00:02:55,480

you did on radio BBC four with the

67

00:03:01,110 --> 00:02:59,680

managing director of detox in a box uh I

68

00:03:03,150 --> 00:03:01,120

was all a bit childish really she um

69

00:03:04,470 --> 00:03:03,160

there are they invited me on to talk

70

00:03:05,880 --> 00:03:04,480

about sort of detox because every

71

00:03:08,160 --> 00:03:05,890

January obviously there's this sort of

72

00:03:10,440 --> 00:03:08,170

parade of morons through the media who

73

00:03:12,680 --> 00:03:10,450

say that by you know eating fresh fruit

74

00:03:17,460 --> 00:03:12,690

and vegetables for a week or two you can

75

00:03:19,110 --> 00:03:17,470

you know it change your long-term cardio

76

00:03:20,309 --> 00:03:19,120

basically vascular and cancer risk

77

00:03:23,309 --> 00:03:20,319

factors and all that sort of stuff which

78

00:03:24,960 --> 00:03:23,319

is plainly nonsense and I was speaking

79

00:03:30,120 --> 00:03:24,970

opposite somebody called deeds that had

80

00:03:31,379 --> 00:03:30,130

Nair's from detox in a box and she has a

81

00:03:32,970 --> 00:03:31,389

website that makes all these kinds of

82

00:03:36,449 --> 00:03:32,980

bizarre claims about things like cadmium

83

00:03:39,119 --> 00:03:36,459

and her disconnect from reality is so

84

00:03:41,470 --> 00:03:39,129

profound that when I read out sections

85

00:03:43,390 --> 00:03:41,480

of her own website to her

86

00:03:47,259 --> 00:03:43,400

she just sort of denied that they were

87

00:03:49,869 --> 00:03:47,269

even on her website at all which you

88

00:03:51,399 --> 00:03:49,879

know I don't know I suppose it gets you

89

00:03:55,059 --> 00:03:51,409

out of a sticky situation for the

90

00:03:58,270 --> 00:03:55,069

immediate next 30 seconds deny the

91

00:04:02,890 --> 00:03:58,280

contents of your own website but um yeah

92

00:04:04,240 --> 00:04:02,900

and I call them out on it what's the

93

00:04:06,460 --> 00:04:04,250

evidence that it will get rid of cadmium

94

00:04:08,500 --> 00:04:06,470

from my body we haven't actually made

95

00:04:09,910 --> 00:04:08,510

any claims on our website about cadmium

96

00:04:11,530 --> 00:04:09,920

on Mercury so don't actually know which

97

00:04:12,759 --> 00:04:11,540

website you're referring to you say one

98

00:04:14,559 --> 00:04:12,769

of the most complex detoxification

99

00:04:16,569 --> 00:04:14,569

functions is against heavy metals such

100

00:04:18,219 --> 00:04:16,579

as lead mercury cadmium which you

101  
00:04:20,050 --> 00:04:18,229  
misspelled I presume you mean cadmium

102  
00:04:21,580 --> 00:04:20,060  
nickel arsenic and alanine and I

103  
00:04:23,770 --> 00:04:21,590  
actually think you must be referring to

104  
00:04:24,850 --> 00:04:23,780  
or wrong the wrong website and its light

105  
00:04:26,200 --> 00:04:24,860  
difficulty because I haven't got the

106  
00:04:28,330 --> 00:04:26,210  
website in front of me so I thought I

107  
00:04:33,370 --> 00:04:28,340  
come I'll check and i'll post on please

108  
00:04:35,620 --> 00:04:33,380  
stop it later come back to leave huh it

109  
00:04:37,060 --> 00:04:35,630  
was a bit difficult i see because at the

110  
00:04:38,200 --> 00:04:37,070  
time i was sort of really polite and i

111  
00:04:40,480 --> 00:04:38,210  
just said okay well I'll go and check

112  
00:04:42,070 --> 00:04:40,490  
and I'll postal winks at bad science net

113  
00:04:44,080 --> 00:04:42,080

later and lots of people did go and have

114

00:04:46,120 --> 00:04:44,090

a look at it but I'm never quite I mean

115

00:04:48,490 --> 00:04:46,130

I'm a sort of very sort of courteous

116

00:04:51,790 --> 00:04:48,500

person and I didn't want to sort of you

117

00:04:54,550 --> 00:04:51,800

know say you big fat liar they totally

118

00:04:56,920 --> 00:04:54,560

your website does that be wrong and

119

00:04:58,480 --> 00:04:56,930

awful and I think a lot of the time as

120

00:05:00,070 --> 00:04:58,490

well people probably who are listening

121

00:05:01,719 --> 00:05:00,080

only really engaged with the sort of

122

00:05:04,350 --> 00:05:01,729

emotional tempo of what's happening

123

00:05:07,270 --> 00:05:04,360

rather than then the factual content and

124

00:05:10,870 --> 00:05:07,280

so yes I was very polite but it turned

125

00:05:13,420 --> 00:05:10,880

out that in fact or I was right which

126

00:05:14,909 --> 00:05:13,430

you know I might not be always just

127

00:05:18,460 --> 00:05:14,919

always a nice treat when you are there

128

00:05:20,440 --> 00:05:18,470

well the BBC actually on air made that

129

00:05:23,110 --> 00:05:20,450

announcement there they in fact said the

130

00:05:24,670 --> 00:05:23,120

doctor was right and then detoxing the

131

00:05:28,089 --> 00:05:24,680

box had to put a disclaimer on their

132

00:05:29,830 --> 00:05:28,099

website is that correct uh yes oh yes

133

00:05:32,110 --> 00:05:29,840

she sort of deleted things off their

134

00:05:34,240 --> 00:05:32,120

website and then put things on saying

135

00:05:35,950 --> 00:05:34,250

that they've never really meant to say

136

00:05:37,570 --> 00:05:35,960

something or that they were sorry or

137

00:05:40,629 --> 00:05:37,580

something like that I mean it's all you

138

00:05:42,820 --> 00:05:40,639

know it's a as I'm sure you know arguing

139

00:05:45,400 --> 00:05:42,830

with people like that can be a slightly

140

00:05:48,909 --> 00:05:45,410

sort of elliptical in a roundabout and

141

00:05:50,880 --> 00:05:48,919

cloudy process the thing that I found

142

00:05:54,159 --> 00:05:50,890

strangest about it was that then

143

00:05:55,239 --> 00:05:54,169

afterwards now as the managing director

144

00:05:59,649 --> 00:05:55,249

you describe

145

00:06:00,879 --> 00:05:59,659

self is sort of md amazingly and we sort

146

00:06:03,729 --> 00:06:00,889

of saying I don't really understand why

147

00:06:05,109 --> 00:06:03,739

everybody's so angry with us and he just

148

00:06:07,629 --> 00:06:05,119

sort of hold your head in your hands

149

00:06:09,429 --> 00:06:07,639

really anyway but you you actually found

150

00:06:11,379 --> 00:06:09,439

some of the information on her website

151  
00:06:13,479 --> 00:06:11,389  
had been copied verbatim from other

152  
00:06:16,149 --> 00:06:13,489  
websites didn't you including spelling

153  
00:06:18,879 --> 00:06:16,159  
mistakes which was yeah I forgot that

154  
00:06:20,199 --> 00:06:18,889  
yeah yeah yes there was one bit on it

155  
00:06:21,669 --> 00:06:20,209  
that was sort of quite sensible about

156  
00:06:24,309 --> 00:06:21,679  
the sort of relationship between

157  
00:06:25,389 --> 00:06:24,319  
depression and diabetes it's very

158  
00:06:27,909 --> 00:06:25,399  
interesting areas of the crossover

159  
00:06:30,699 --> 00:06:27,919  
between medical and psychiatric health

160  
00:06:33,489 --> 00:06:30,709  
it really stood out as being sort of

161  
00:06:36,759 --> 00:06:33,499  
less ridiculous than the rest of the

162  
00:06:38,379 --> 00:06:36,769  
site but that's because it was simply

163  
00:06:41,079 --> 00:06:38,389

copied and pasted from something written

164

00:06:42,789 --> 00:06:41,089

by a proper pharmacist and then the

165

00:06:44,229 --> 00:06:42,799

thing which I sort of caught them out on

166

00:06:46,029 --> 00:06:44,239

that where they were making sort of

167

00:06:48,969 --> 00:06:46,039

saying funny things about cadmium or

168

00:06:51,279 --> 00:06:48,979

cadmium as they said had meaning and

169

00:06:54,159 --> 00:06:51,289

other heavy metals including things that

170

00:06:55,979 --> 00:06:54,169

weren't heavy metals that also was

171

00:06:58,809 --> 00:06:55,989

copied and pasted verbatim from

172

00:07:00,039 --> 00:06:58,819

elsewhere it's interesting it's

173

00:07:02,289 --> 00:07:00,049

interesting because it's just another

174

00:07:03,639 --> 00:07:02,299

example I guess of how some people in

175

00:07:06,219 --> 00:07:03,649

the pseudoscience industry present

176  
00:07:08,679 --> 00:07:06,229  
themselves as being quite society and

177  
00:07:13,059 --> 00:07:08,689  
academic and yet sort of break all of

178  
00:07:15,579 --> 00:07:13,069  
the most fundamental tenets of our world

179  
00:07:17,559 --> 00:07:15,589  
like you know not copying and pasting

180  
00:07:19,809 --> 00:07:17,569  
text verbatim from other people's work

181  
00:07:22,539 --> 00:07:19,819  
and having evidence for the things that

182  
00:07:23,649 --> 00:07:22,549  
you say are correct I mean I think

183  
00:07:25,239 --> 00:07:23,659  
people are a bit hysterical about

184  
00:07:27,909 --> 00:07:25,249  
plagiarism in general to be honest I

185  
00:07:30,159 --> 00:07:27,919  
glad I actively want people to steal my

186  
00:07:32,649 --> 00:07:30,169  
ideas as a campaigning journalist and

187  
00:07:35,799 --> 00:07:32,659  
little know if they don't sort of link

188  
00:07:37,119 --> 00:07:35,809

back to me then I think slightly less of

189

00:07:39,519 --> 00:07:37,129

them I suppose very I don't you know

190

00:07:41,829 --> 00:07:39,529

it's not huge crime but this is this was

191

00:07:44,879 --> 00:07:41,839

different this was this was large

192

00:07:47,559 --> 00:07:44,889

amounts of text verbatim which is funny

193

00:07:49,739 --> 00:07:47,569

well on that subject been yesterday it

194

00:07:52,059 --> 00:07:49,749

was announced in the UK that the

195

00:07:54,129 --> 00:07:52,069

complementary and national health care

196

00:07:56,229 --> 00:07:54,139

council is going to start a volunteer

197

00:07:58,719 --> 00:07:56,239

register for alternative practitioners

198

00:08:00,549 --> 00:07:58,729

and the foot one of the first group of

199

00:08:02,049 --> 00:08:00,559

people to be able to join our the

200

00:08:04,269 --> 00:08:02,059

nutritionist and I know that they're one

201  
00:08:07,209 --> 00:08:04,279  
of your favorites but what's your

202  
00:08:08,469 --> 00:08:07,219  
opinion of this legislation well I mean

203  
00:08:09,100 --> 00:08:08,479  
I think it's important for us to want to

204  
00:08:10,960 --> 00:08:09,110  
be clear that I don't

205  
00:08:14,140 --> 00:08:10,970  
really care very much about alternative

206  
00:08:16,950 --> 00:08:14,150  
therapists I mean I think they're an

207  
00:08:19,180 --> 00:08:16,960  
interesting opportunity to talk about

208  
00:08:20,770 --> 00:08:19,190  
the basics of evidence-based medicine

209  
00:08:23,410 --> 00:08:20,780  
they were useful sort of gimmick to hang

210  
00:08:26,500 --> 00:08:23,420  
that on and they're also a very powerful

211  
00:08:28,990 --> 00:08:26,510  
and influential movement culturally and

212  
00:08:30,940 --> 00:08:29,000  
and and that has quite corrosive effects

213  
00:08:32,620 --> 00:08:30,950

on the sort of you know the intellectual

214

00:08:34,000 --> 00:08:32,630

life of the nation but I don't think

215

00:08:35,470 --> 00:08:34,010

that I'm not bothered about them ripping

216

00:08:37,330 --> 00:08:35,480

people off I'm not bothered about them

217

00:08:39,280 --> 00:08:37,340

killing people any of that kind of stuff

218

00:08:41,500 --> 00:08:39,290

I mean I'm happy to see that as a kind

219

00:08:43,180 --> 00:08:41,510

of you know people being ripped off as a

220

00:08:45,070 --> 00:08:43,190

kind of voluntary self-administered tax

221

00:08:48,340 --> 00:08:45,080

on scientific ignorance and and and

222

00:08:49,810 --> 00:08:48,350

where people die or are harmed by their

223

00:08:53,890 --> 00:08:49,820

interactions with alternative therapists

224

00:08:56,770 --> 00:08:53,900

in almost every single case it's because

225

00:08:58,330 --> 00:08:56,780

you know it's not I don't think the

226

00:09:00,880 --> 00:08:58,340

exploitive victim model works very well

227

00:09:02,320 --> 00:09:00,890

for that interaction you know as we've

228

00:09:04,060 --> 00:09:02,330

now setting with Nolan I these aren't

229

00:09:05,740 --> 00:09:04,070

suicide these aren't accidents they're

230

00:09:09,040 --> 00:09:05,750

throwing themselves willingly into the

231

00:09:11,350 --> 00:09:09,050

roads you know I think people who choose

232

00:09:13,300 --> 00:09:11,360

to follow really bonkers advice from

233

00:09:15,490 --> 00:09:13,310

alternative therapists and give up all

234

00:09:17,470 --> 00:09:15,500

of their anti-cancer medication and die

235

00:09:20,170 --> 00:09:17,480

I think they have to take equal

236

00:09:23,140 --> 00:09:20,180

responsibility for that but what I do

237

00:09:26,140 --> 00:09:23,150

think is that the that alternative

238

00:09:27,790 --> 00:09:26,150

therapists are along with the media and

239

00:09:29,200 --> 00:09:27,800

the way that they must represent science

240

00:09:30,700 --> 00:09:29,210

they're kind of working together to

241

00:09:32,410 --> 00:09:30,710

really undermine the public's

242

00:09:34,690 --> 00:09:32,420

understanding of what it means for there

243

00:09:36,550 --> 00:09:34,700

to be an evidence base for a proposition

244

00:09:38,170 --> 00:09:36,560

not just through the individual

245

00:09:39,760 --> 00:09:38,180

instances where they misrepresent things

246

00:09:42,190 --> 00:09:39,770

but also you see very commonly in the

247

00:09:44,740 --> 00:09:42,200

meter in the UK and people from the

248

00:09:47,230 --> 00:09:44,750

worlds of homeopathy talking about how

249

00:09:48,730 --> 00:09:47,240

you know randomized trials don't really

250

00:09:50,830 --> 00:09:48,740

work or why there are sort of

251  
00:09:52,360 --> 00:09:50,840  
methodological problems with systematic

252  
00:09:53,950 --> 00:09:52,370  
reviews and meta-analyses and the

253  
00:09:56,530 --> 00:09:53,960  
criticism that make a completely bogus

254  
00:09:58,600 --> 00:09:56,540  
but they're dangerous because they're

255  
00:10:02,200 --> 00:09:58,610  
happening at a time in the in sort of

256  
00:10:03,940 --> 00:10:02,210  
the history of medical interaction when

257  
00:10:05,440 --> 00:10:03,950  
doctors more than ever are trying to

258  
00:10:07,090 --> 00:10:05,450  
work collaboratively with their patients

259  
00:10:08,710 --> 00:10:07,100  
to make decisions about what would be

260  
00:10:09,940 --> 00:10:08,720  
the best treatment and that's that's

261  
00:10:11,530 --> 00:10:09,950  
quite a new thing and it's a very

262  
00:10:13,870 --> 00:10:11,540  
important thing 30 years ago

263  
00:10:15,370 --> 00:10:13,880

communication skills training at Medical

264

00:10:16,450 --> 00:10:15,380

School for doctors was about how not to

265

00:10:18,370 --> 00:10:16,460

tell your patient that they've got

266

00:10:20,620 --> 00:10:18,380

cancer now if you went to see a doctor

267

00:10:21,940 --> 00:10:20,630

to discuss and you know possible

268

00:10:23,920 --> 00:10:21,950

treatments for cancer

269

00:10:25,750 --> 00:10:23,930

they would talk through the options of

270

00:10:27,370 --> 00:10:25,760

chemotherapy radiotherapy different

271

00:10:29,410 --> 00:10:27,380

forms of surgery they'd explain what the

272

00:10:31,570 --> 00:10:29,420

evidence is for the merits and risks of

273

00:10:35,290 --> 00:10:31,580

each they'd they talk you through how we

274

00:10:37,260 --> 00:10:35,300

know what we know and I think for the

275

00:10:40,990 --> 00:10:37,270

media and for quacks to undermine that

276

00:10:43,000 --> 00:10:41,000

to me it is incredibly vicious and I

277

00:10:44,320 --> 00:10:43,010

think that's the greatest danger that's

278

00:10:46,930 --> 00:10:44,330

why I think nutritionists are

279

00:10:48,490 --> 00:10:46,940

particularly toxic because they are the

280

00:10:50,760 --> 00:10:48,500

alternative therapists who more than any

281

00:10:53,350 --> 00:10:50,770

other misrepresent themselves as being

282

00:10:55,150 --> 00:10:53,360

men and women of science they use the

283

00:10:56,530 --> 00:10:55,160

language of science and they they

284

00:10:58,420 --> 00:10:56,540

misrepresent evidence in a much more

285

00:11:01,270 --> 00:10:58,430

sophisticated way so they'll take for

286

00:11:03,700 --> 00:11:01,280

example studies of the behavior of cells

287

00:11:05,740 --> 00:11:03,710

in a dish on a lab bench and then claim

288

00:11:07,090 --> 00:11:05,750

on the back of that that certain

289

00:11:08,980 --> 00:11:07,100

vitamins will have an impact on a

290

00:11:10,510 --> 00:11:08,990

disease in a living person which is

291

00:11:11,890 --> 00:11:10,520

something that say patrick holford the

292

00:11:13,900 --> 00:11:11,900

founder of the Institute for optimum

293

00:11:16,690 --> 00:11:13,910

nutrition has done in the UK in his

294

00:11:19,840 --> 00:11:16,700

statement you know that I said T is less

295

00:11:20,860 --> 00:11:19,850

effective for AIDS than vitamin C and I

296

00:11:22,540 --> 00:11:20,870

think and that's why I think the

297

00:11:24,970 --> 00:11:22,550

nutritionists are particularly important

298

00:11:26,380 --> 00:11:24,980

and that's why i think it's a it's it's

299

00:11:27,310 --> 00:11:26,390

a double-edged sword this whole sort of

300

00:11:29,830 --> 00:11:27,320

regulation thing because i think

301  
00:11:31,510 --> 00:11:29,840  
regulation for alternative therapists

302  
00:11:34,180 --> 00:11:31,520  
will certainly be used by a lot of them

303  
00:11:35,830 --> 00:11:34,190  
to aggrandize themselves and they've

304  
00:11:37,630 --> 00:11:35,840  
certainly also i mean i don't know i

305  
00:11:38,980 --> 00:11:37,640  
don't know how it's going to play out in

306  
00:11:40,390 --> 00:11:38,990  
terms of you know who's on these

307  
00:11:43,060 --> 00:11:40,400  
different boards and sort of regulatory

308  
00:11:44,740 --> 00:11:43,070  
bodies but in the past their efforts to

309  
00:11:46,060 --> 00:11:44,750  
regulate themselves like for example the

310  
00:11:49,210 --> 00:11:46,070  
british association of nutritional

311  
00:11:50,620 --> 00:11:49,220  
therapists has been farcical we I mean

312  
00:11:52,180 --> 00:11:50,630  
they can't even make their minds up if

313  
00:11:54,790 --> 00:11:52,190

they're a regulator or not they have a

314

00:11:56,020 --> 00:11:54,800

code of conduct that's secrets that they

315

00:11:58,720 --> 00:11:56,030

wouldn't give out to people when they

316

00:12:01,930 --> 00:11:58,730

ask today and they change their code of

317

00:12:03,430 --> 00:12:01,940

conduct in response to and approaches

318

00:12:05,770 --> 00:12:03,440

from industry they specifically change

319

00:12:08,220 --> 00:12:05,780

their code of conduct to allow of

320

00:12:10,270 --> 00:12:08,230

nutrition therapists to take yeah

321

00:12:11,710 --> 00:12:10,280

undisclosed cuts on the pills they

322

00:12:14,140 --> 00:12:11,720

prescribe to their patients and stuff

323

00:12:15,730 --> 00:12:14,150

like that so you know I don't know how

324

00:12:17,740 --> 00:12:15,740

it will play out on the specifics but

325

00:12:20,320 --> 00:12:17,750

the one thing we do know is that they're

326

00:12:21,430 --> 00:12:20,330

regulating sort of propriety which is

327

00:12:24,550 --> 00:12:21,440

important because there have been lots

328

00:12:26,230 --> 00:12:24,560

of cases in the UK of alternative

329

00:12:28,740 --> 00:12:26,240

therapists doing things like having sex

330

00:12:31,000 --> 00:12:28,750

with their patients which is just rice

331

00:12:33,280 --> 00:12:31,010

disgusting really I mean it beneath

332

00:12:34,900 --> 00:12:33,290

beneath contempt in a couple of cases it

333

00:12:37,630 --> 00:12:34,910

was specifically

334

00:12:39,430 --> 00:12:37,640

you know people had gone to see and an

335

00:12:42,990 --> 00:12:39,440

alternative therapists for a mental

336

00:12:47,100 --> 00:12:43,000

health problem you know and yeah and he

337

00:12:49,930 --> 00:12:47,110

and you just think I don't know I mean

338

00:12:52,240 --> 00:12:49,940

anyway whatever whatever that's in a pre

339

00:12:54,070 --> 00:12:52,250

it to the extreme that strikes me you've

340

00:12:56,650 --> 00:12:54,080

been profoundly inappropriate behavior

341

00:12:58,690 --> 00:12:56,660

yeah but anyway so they'll be regulating

342

00:13:00,070 --> 00:12:58,700

things like propriety and you know yeah

343

00:13:02,410 --> 00:13:00,080

I think there's something about sort of

344

00:13:03,850 --> 00:13:02,420

you know not telling patients to to

345

00:13:05,230 --> 00:13:03,860

throw away their medical drugs which is

346

00:13:07,440 --> 00:13:05,240

nice and everything but the one thing

347

00:13:10,510 --> 00:13:07,450

that they're not looking at is is

348

00:13:12,340 --> 00:13:10,520

efficacy which which kind of throws you

349

00:13:14,350 --> 00:13:12,350

into a slightly alice in wonderland

350

00:13:15,850 --> 00:13:14,360

scenario really because they'll you know

351

00:13:18,280 --> 00:13:15,860

I don't know there's a really funny

352

00:13:20,230 --> 00:13:18,290

website called The Daily mash which you

353

00:13:22,690 --> 00:13:20,240

might have seen I read the link that you

354

00:13:25,240 --> 00:13:22,700

yeah but you so that Lena that was

355

00:13:28,780 --> 00:13:25,250

hilarious complimentary therapists to be

356

00:13:30,400 --> 00:13:28,790

regulated by which doctor yeah and and I

357

00:13:32,020 --> 00:13:30,410

think that's pretty much how it is you

358

00:13:33,460 --> 00:13:32,030

know the witch doctor stress the

359

00:13:35,050 --> 00:13:33,470

therapist will be judged not on the

360

00:13:37,540 --> 00:13:35,060

effectiveness of their treatments but on

361

00:13:38,950 --> 00:13:37,550

the strength of their Mogambo there are

362

00:13:40,510 --> 00:13:38,960

many frauds and not everyone has a

363

00:13:42,310 --> 00:13:40,520

stronger connection to the serpent god

364

00:13:44,050 --> 00:13:42,320

damn baller as they like to make out and

365

00:13:45,580 --> 00:13:44,060

you know I think it's gonna I think it's

366

00:13:46,870 --> 00:13:45,590

gonna be a bit like that if he throws

367

00:13:49,420 --> 00:13:46,880

chicken bones on the floor of your

368

00:13:50,590 --> 00:13:49,430

surgery and or your own clinic and he

369

00:13:52,030 --> 00:13:50,600

comes back the following week and

370

00:13:53,620 --> 00:13:52,040

they're still there he'll see you for

371

00:13:56,080 --> 00:13:53,630

health and safety or something like that

372

00:14:00,190 --> 00:13:56,090

that was very funny out of your luxury I

373

00:14:01,660 --> 00:14:00,200

see nch me and they said that yeah all

374

00:14:04,810 --> 00:14:01,670

applicants will be judged on four key

375

00:14:06,930 --> 00:14:04,820

elements earth fire water and the age of

376

00:14:09,490 --> 00:14:06,940

the magazines in there waiting room

377

00:14:11,860 --> 00:14:09,500

anyway other girls just truly funnier

378

00:14:14,350 --> 00:14:11,870

than ours so last year you were actually

379

00:14:17,200 --> 00:14:14,360

sued been you and the Guardian was sued

380

00:14:20,920 --> 00:14:17,210

for libel by an HIV denier Matthias

381

00:14:23,250 --> 00:14:20,930

wrath yeah I did a few HIV denier I

382

00:14:27,310 --> 00:14:23,260

don't but he certainly says that his

383

00:14:29,560 --> 00:14:27,320

that his vitamin pills are you know an

384

00:14:32,710 --> 00:14:29,570

effective treatment for HIV and he he he

385

00:14:35,320 --> 00:14:32,720

was a he was a worrying figure because

386

00:14:38,170 --> 00:14:35,330

he went to South Africa and started

387

00:14:40,990 --> 00:14:38,180

taking out full page advert in national

388

00:14:43,300 --> 00:14:41,000

newspapers saying that and you know

389

00:14:46,670 --> 00:14:43,310

anti-aids drugs will kill you it's a

390

00:14:48,680 --> 00:14:46,680

conspiracy by the pharmaceutical cartel

391

00:14:50,829 --> 00:14:48,690

and the answer to the AIDS epidemic with

392

00:14:55,160 --> 00:14:50,839

is here and unsurprisingly that was

393

00:14:57,860 --> 00:14:55,170

vitamin pills and I perhaps

394

00:14:59,240 --> 00:14:57,870

unsurprisingly and I kind of pointed out

395

00:15:02,210 --> 00:14:59,250

that this was really seriously a

396

00:15:05,810 --> 00:15:02,220

responsible because South Africa is a

397

00:15:08,449 --> 00:15:05,820

country where and you know that yeah I

398

00:15:09,980 --> 00:15:08,459

don't know I mean AIDS is is just aids

399

00:15:12,139 --> 00:15:09,990

is nuts you know AIDS is like the

400

00:15:13,940 --> 00:15:12,149

opposite of anecdote it's it's the

401

00:15:15,050 --> 00:15:13,950

numbers involved is so big that it's

402

00:15:17,420 --> 00:15:15,060

actually quite hard to get your head

403

00:15:19,880 --> 00:15:17,430

round I think and I and I wonder if if

404

00:15:23,090 --> 00:15:19,890

that's why people sort of can allow

405

00:15:26,449 --> 00:15:23,100

themselves to to go down such sort of

406

00:15:31,130 --> 00:15:26,459

dodgy roads they're 25 million people

407

00:15:33,130 --> 00:15:31,140

have died so far from AIDS and three

408

00:15:37,130 --> 00:15:33,140

million of those were in the last year

409

00:15:39,889 --> 00:15:37,140

in South Africa alone I think it's three

410

00:15:44,389 --> 00:15:39,899

hundred thousand people every year which

411

00:15:46,760 --> 00:15:44,399

is 800 every day you know 6.3 million

412

00:15:48,980 --> 00:15:46,770

South Africans are HIV positive it's

413

00:15:51,290 --> 00:15:48,990

just nuts you know 1.2 million AIDS

414

00:15:52,760 --> 00:15:51,300

orphans in South Africa and it and it

415

00:15:54,110 --> 00:15:52,770

happened in the twinkling of an eye you

416

00:15:56,240 --> 00:15:54,120

know I mean in nineteen ninety-one

417

00:15:58,400 --> 00:15:56,250

percent of adults in South Africa are

418

00:16:00,829 --> 00:15:58,410

hiv-positive and now it's a quarter and

419

00:16:03,140 --> 00:16:00,839

so hang while we were watching you know

420

00:16:05,510 --> 00:16:03,150

and it happened under president thabo

421

00:16:08,810 --> 00:16:05,520

and Becky who is obviously an AIDS

422

00:16:11,150 --> 00:16:08,820

denialist with taba and Becky at various

423

00:16:13,430 --> 00:16:11,160

points has sort of said you know HIV

424

00:16:14,900 --> 00:16:13,440

isn't the cause of AIDS antiretroviral

425

00:16:17,630 --> 00:16:14,910

drugs aren't an effective treatment for

426  
00:16:19,940 --> 00:16:17,640  
AIDS as South African government refused

427  
00:16:22,940 --> 00:16:19,950  
free gifts of AIDS drugs to prevent

428  
00:16:25,340 --> 00:16:22,950  
maternal transmission they refused money

429  
00:16:26,690 --> 00:16:25,350  
to buy AIDS drugs with they refused to

430  
00:16:30,440 --> 00:16:26,700  
roll out antiretroviral treatment

431  
00:16:32,780 --> 00:16:30,450  
because they had this bonkers sort of

432  
00:16:34,880 --> 00:16:32,790  
fantastical pseudoscientific HIV

433  
00:16:37,310 --> 00:16:34,890  
denialist belief system going on and at

434  
00:16:39,530 --> 00:16:37,320  
the same time is Health Minister Manto's

435  
00:16:41,180 --> 00:16:39,540  
Chapel our land tamang presiding over a

436  
00:16:43,760 --> 00:16:41,190  
country where 300,000 people were dying

437  
00:16:46,040 --> 00:16:43,770  
about every year was going on television

438  
00:16:48,350 --> 00:16:46,050

saying the african sweet potato and

439

00:16:51,560 --> 00:16:48,360

garlic were the most effective

440

00:16:52,910 --> 00:16:51,570

treatments for AIDS at the toronto world

441

00:16:55,220 --> 00:16:52,920

aids conference a couple of years ago

442

00:16:57,230 --> 00:16:55,230

the South African government stall was

443

00:16:59,360 --> 00:16:57,240

called the vegetable stall by other than

444

00:17:01,790 --> 00:16:59,370

other participants at the conference

445

00:17:05,780 --> 00:17:01,800

and it consisted of sweet african potato

446

00:17:08,299 --> 00:17:05,790

garlic a couple of other fruit bits of

447

00:17:09,650 --> 00:17:08,309

fruit veg and they didn't have any age

448

00:17:10,910 --> 00:17:09,660

drugs there at all and then somebody

449

00:17:12,350 --> 00:17:10,920

sort of mentioned that this was

450

00:17:14,090 --> 00:17:12,360

embarrassing and they borrowed some off

451

00:17:17,480 --> 00:17:14,100

another delicate and just sort of put in

452

00:17:20,210 --> 00:17:17,490

table and he's so bizarre and somebody

453

00:17:23,090 --> 00:17:20,220

somebody asked manto on this sort of on

454

00:17:24,290 --> 00:17:23,100

television and she said what when

455

00:17:26,120 --> 00:17:24,300

somebody tells me that they've got

456

00:17:27,890 --> 00:17:26,130

better on sweet african potato am I

457

00:17:30,530 --> 00:17:27,900

supposed to not believe them should I go

458

00:17:32,510 --> 00:17:30,540

and do science on them and so you know

459

00:17:34,130 --> 00:17:32,520

this was pretty far our staff and it's

460

00:17:36,470 --> 00:17:34,140

the kind of far-out nonsense that you're

461

00:17:38,360 --> 00:17:36,480

used to reading on you know in kind of

462

00:17:40,520 --> 00:17:38,370

bonkers alternative therapy magazines

463

00:17:42,320 --> 00:17:40,530

and stuff yeah but South Africa was a

464

00:17:45,070 --> 00:17:42,330

country in which this level of

465

00:17:47,299 --> 00:17:45,080

foolishness was was not just sort of

466

00:17:48,710 --> 00:17:47,309

institutionalized it was acted on you

467

00:17:51,650 --> 00:17:48,720

know they didn't roll out proper

468

00:17:54,590 --> 00:17:51,660

antiretroviral treatment Mathias wrath

469

00:17:55,790 --> 00:17:54,600

who is a Western vitamin pill salesman I

470

00:17:57,919 --> 00:17:55,800

mean that's a really important thing to

471

00:18:00,350 --> 00:17:57,929

understand is that he is he is made in

472

00:18:02,090 --> 00:18:00,360

Europe he is one of ours you know he we

473

00:18:04,310 --> 00:18:02,100

take full responsibility for this man

474

00:18:06,530 --> 00:18:04,320

you know he was German he built up his

475

00:18:09,470 --> 00:18:06,540

vitamin pill Empire there then he went

476  
00:18:11,960 --> 00:18:09,480  
to America you know and and he used all

477  
00:18:13,820 --> 00:18:11,970  
of the exact same sort of distortions of

478  
00:18:16,460 --> 00:18:13,830  
evidence that the other nutritionists

479  
00:18:20,620 --> 00:18:16,470  
that were familiar with use but then he

480  
00:18:24,740 --> 00:18:20,630  
went to South Africa and he did sort of

481  
00:18:25,880 --> 00:18:24,750  
trials of his ideas in khayelitsha

482  
00:18:30,230 --> 00:18:25,890  
province which were subsequently

483  
00:18:32,060 --> 00:18:30,240  
declared illegal and and he took out

484  
00:18:34,790 --> 00:18:32,070  
these full page adverts and he ran

485  
00:18:38,419 --> 00:18:34,800  
clinics and you know it's all tragic and

486  
00:18:40,549 --> 00:18:38,429  
his right-hand man Anthony brung it's a

487  
00:18:42,860 --> 00:18:40,559  
boasts that he introduced thabo mbeki

488  
00:18:46,100 --> 00:18:42,870

too many of the central tenets of HIV

489

00:18:48,650 --> 00:18:46,110

denialism and so take a bow and he brung

490

00:18:51,740 --> 00:18:48,660

Anthony brung is actually so far out

491

00:18:54,260 --> 00:18:51,750

that he is hateful on fruit cake right

492

00:18:56,900 --> 00:18:54,270

that you refer to in your book well i

493

00:18:59,240 --> 00:18:56,910

mean there's a guy so the only two

494

00:19:01,820 --> 00:18:59,250

people campaigning against this lunacy

495

00:19:03,650 --> 00:19:01,830

in south africa we're an organization

496

00:19:09,169 --> 00:19:03,660

called tack the treatment action

497

00:19:11,330 --> 00:19:09,179

campaign and now tak a run by a guy

498

00:19:13,220 --> 00:19:11,340

called Zaki h map but i mean you know

499

00:19:14,780 --> 00:19:13,230

they're a grassroots organization 98

500

00:19:16,039 --> 00:19:14,790

sent black women from townships and

501  
00:19:17,480 --> 00:19:16,049  
they're amazing and if anybody ever

502  
00:19:21,260 --> 00:19:17,490  
wanted to give anyone money they should

503  
00:19:23,450 --> 00:19:21,270  
give it to tak they run a battle really

504  
00:19:25,400 --> 00:19:23,460  
on kind of forefront there and they're

505  
00:19:27,169 --> 00:19:25,410  
fighting against the stupidity of their

506  
00:19:29,060 --> 00:19:27,179  
own government who refused to roll out

507  
00:19:33,350 --> 00:19:29,070  
antiretroviral treatment they're

508  
00:19:35,630 --> 00:19:33,360  
fighting against the pharmacy school

509  
00:19:38,240 --> 00:19:35,640  
corporations who refuse to give drugs

510  
00:19:40,190 --> 00:19:38,250  
off copyright you know at cheap

511  
00:19:42,560 --> 00:19:40,200  
discounted rates to developing countries

512  
00:19:44,000 --> 00:19:42,570  
to treat AIDS because they say they need

513  
00:19:45,680 --> 00:19:44,010

the full price in order to fund research

514

00:19:48,500 --> 00:19:45,690

and development which is blatantly

515

00:19:49,940 --> 00:19:48,510

bollocks I mean you know the global

516

00:19:51,770 --> 00:19:49,950

takings of the pharmaceutical industry

517

00:19:54,140 --> 00:19:51,780

is about five or six hundred billion

518

00:19:58,100 --> 00:19:54,150

dollars a year and of that they spend

519

00:20:00,590 --> 00:19:58,110

twice as much on on promotion and

520

00:20:01,880 --> 00:20:00,600

advertising as they do on research and

521

00:20:03,770 --> 00:20:01,890

development it's about thirty four

522

00:20:06,799 --> 00:20:03,780

percent against seventeen percent so

523

00:20:08,450 --> 00:20:06,809

that's clearly [h\_\_h] they don't need to

524

00:20:10,039 --> 00:20:08,460

get full price to people in developing

525

00:20:11,930 --> 00:20:10,049

world countries for their AIDS drugs and

526

00:20:13,430 --> 00:20:11,940

then so they're fighting against them

527

00:20:15,590 --> 00:20:13,440

and sort of trying to force their own

528

00:20:17,270 --> 00:20:15,600

country to use the Doha declaration to

529

00:20:19,520 --> 00:20:17,280

get discounts on drugs and that sort of

530

00:20:20,930 --> 00:20:19,530

thing then they're fighting against

531

00:20:22,789 --> 00:20:20,940

ignorance in their own country and

532

00:20:24,080 --> 00:20:22,799

running treatment literacy groups and

533

00:20:26,120 --> 00:20:24,090

all that kind of really sort of right on

534

00:20:27,590 --> 00:20:26,130

grassroots stuff and finally they're

535

00:20:30,320 --> 00:20:27,600

fighting against people like Mateus

536

00:20:31,370 --> 00:20:30,330

wrath and Matthias raft didn't like the

537

00:20:32,659 --> 00:20:31,380

fact they were fighting against I mean

538

00:20:34,549 --> 00:20:32,669

neither did Anthony brung who's no

539

00:20:38,870 --> 00:20:34,559

longer Mathias Russ right-hand man

540

00:20:40,039 --> 00:20:38,880

Antony brung made this bizarre I suppose

541

00:20:41,950 --> 00:20:40,049

that this might have been what you refer

542

00:20:46,520 --> 00:20:41,960

to you as he broke my this bizarre

543

00:20:48,590 --> 00:20:46,530

allegation a bizarre and so eat it's

544

00:20:50,030 --> 00:20:48,600

hard to get your head around quiet how

545

00:20:51,440 --> 00:20:50,040

well-connected and seeing you these

546

00:20:54,080 --> 00:20:51,450

people are you know this is a country

547

00:20:56,539 --> 00:20:54,090

where ridiculous ideas go to the top of

548

00:20:58,490 --> 00:20:56,549

government and Anthony brung isn't just

549

00:21:00,590 --> 00:20:58,500

some random joe anthony bronc is a

550

00:21:03,830 --> 00:21:00,600

barrister and you know he's an

551

00:21:06,680 --> 00:21:03,840

influential chat and he made a like a

552

00:21:08,539 --> 00:21:06,690

formal arraignment complaint ii thing to

553

00:21:12,260 --> 00:21:08,549

the international criminal court at the

554

00:21:13,789 --> 00:21:12,270

hague at that exact eh matt the head of

555

00:21:15,590 --> 00:21:13,799

the treatment action campaign and this

556

00:21:18,470 --> 00:21:15,600

was reported as a serious news story in

557

00:21:20,539 --> 00:21:18,480

the in the south african news media and

558

00:21:21,770 --> 00:21:20,549

in some parts of the Western gay press

559

00:21:24,230 --> 00:21:21,780

actually and I don't think any of those

560

00:21:26,200 --> 00:21:24,240

people can have read through to the end

561

00:21:28,240 --> 00:21:26,210

of the document i can probably and

562

00:21:30,490 --> 00:21:28,250

if I mock about him probably bring up

563

00:21:33,010 --> 00:21:30,500

here actually and tell you the the

564

00:21:36,040 --> 00:21:33,020

finale really is quite spectacular heaps

565

00:21:39,760 --> 00:21:36,050

of their 68 pages where he goes through

566

00:21:41,890 --> 00:21:39,770

all of the things which and you know

567

00:21:44,920 --> 00:21:41,900

sort of a bear are you yeah cuz not

568

00:21:46,630 --> 00:21:44,930

since you say films in your book been

569

00:21:48,180 --> 00:21:46,640

you say that most people wouldn't most

570

00:21:51,670 --> 00:21:48,190

journalists didn't get to that page

571

00:21:53,290 --> 00:21:51,680

where you know piece of really full-on

572

00:21:55,960 --> 00:21:53,300

fruitcake as you described it in bad

573

00:21:58,240 --> 00:21:55,970

science let me read you what he said so

574

00:21:59,500 --> 00:21:58,250

so Zach eh Matt just for background

575

00:22:00,970 --> 00:21:59,510

right Zach yes Matt who runs the

576  
00:22:03,700 --> 00:22:00,980  
treatment action campaign closest thing

577  
00:22:05,410 --> 00:22:03,710  
I've got to a hero and burned down his

578  
00:22:08,860 --> 00:22:05,420  
own school at the age of 12 and you

579  
00:22:12,100 --> 00:22:08,870  
would have been him colored chap by the

580  
00:22:15,520 --> 00:22:12,110  
by the sort of nomenclature of the South

581  
00:22:18,310 --> 00:22:15,530  
African apartheid system at the time he

582  
00:22:21,280 --> 00:22:18,320  
was arrested under that regime and and

583  
00:22:23,680 --> 00:22:21,290  
that brutal and violent regime with

584  
00:22:27,700 --> 00:22:23,690  
everything that that entails you know

585  
00:22:29,680 --> 00:22:27,710  
he's also gay he's also HIV positive he

586  
00:22:31,930 --> 00:22:29,690  
also developed full-blown AIDS refused

587  
00:22:34,060 --> 00:22:31,940  
to take antiretroviral drugs even though

588  
00:22:35,920 --> 00:22:34,070

Nelson Mandela personally begged him

589

00:22:38,860 --> 00:22:35,930

because he said that he wouldn't take

590

00:22:42,250 --> 00:22:38,870

him until they were available more

591

00:22:45,370 --> 00:22:42,260

widely within the country so he's just

592

00:22:47,140 --> 00:22:45,380

about alive now and this is what Anthony

593

00:22:49,180 --> 00:22:47,150

brung wrote was an appropriate

594

00:22:51,370 --> 00:22:49,190

punishment for him this is I'm reading

595

00:22:53,680 --> 00:22:51,380

from the document that Anthony Brunson

596

00:22:55,360 --> 00:22:53,690

in view of the scale and gravity of H

597

00:22:57,040 --> 00:22:55,370

max crime and his direct personal

598

00:22:59,110 --> 00:22:57,050

criminal culpability for the deaths of

599

00:23:00,370 --> 00:22:59,120

thousands of people it is respectfully

600

00:23:01,660 --> 00:23:00,380

submitted that the international

601  
00:23:03,280 --> 00:23:01,670  
criminal court ought to impose on him

602  
00:23:05,350 --> 00:23:03,290  
her sentence provided the world around

603  
00:23:07,420 --> 00:23:05,360  
statute blah blah blah namely to

604  
00:23:09,640 --> 00:23:07,430  
permanent confinement in a small white

605  
00:23:11,560 --> 00:23:09,650  
steel and concrete cage bright

606  
00:23:13,510 --> 00:23:11,570  
fluorescent light on all the time to

607  
00:23:15,160 --> 00:23:13,520  
keep an eye on him he's waters putting

608  
00:23:17,440 --> 00:23:15,170  
him out only to work every day in the

609  
00:23:20,190 --> 00:23:17,450  
prison garden to cultivate nutrient-rich

610  
00:23:22,810 --> 00:23:20,200  
vegetables including when it's raining

611  
00:23:25,120 --> 00:23:22,820  
in order for him to repay his debt to

612  
00:23:26,860 --> 00:23:25,130  
society with the ARVs he claimed the

613  
00:23:28,660 --> 00:23:26,870

antiretroviral drugs he claims to take

614

00:23:30,430 --> 00:23:28,670

administered daily under close medical

615

00:23:31,690 --> 00:23:30,440

watch at the full prescribed dose

616

00:23:33,670 --> 00:23:31,700

morning noon and night without

617

00:23:35,770 --> 00:23:33,680

interruption to prevent him faking that

618

00:23:38,290 --> 00:23:35,780

he's being treatment compliant pushed if

619

00:23:39,760 --> 00:23:38,300

necessary down his forced open gullet

620

00:23:42,100 --> 00:23:39,770

you know the finger

621

00:23:44,410 --> 00:23:42,110

if he bites kicks and screams too much

622

00:23:46,960 --> 00:23:44,420

dripped into his arm after he's been

623

00:23:49,630 --> 00:23:46,970

restrained on a gurney with cable ties

624

00:23:52,150 --> 00:23:49,640

around his ankles wrists and neck until

625

00:23:54,360 --> 00:23:52,160

he gives up the ghost on them so as to

626

00:23:56,590 --> 00:23:54,370

eradicate this foul list most loathsome

627

00:23:59,230 --> 00:23:56,600

unscrupulous and malevolent blight on

628

00:24:02,290 --> 00:23:59,240

the human race now what I find it

629

00:24:04,570 --> 00:24:02,300

straordinario about that apart from the

630

00:24:06,220 --> 00:24:04,580

fact that is pretty vile well it's it's

631

00:24:07,690 --> 00:24:06,230

incredibly violent when I read it in

632

00:24:09,370 --> 00:24:07,700

your book I was really shocked that

633

00:24:11,950 --> 00:24:09,380

there that had actually been missed by

634

00:24:15,280 --> 00:24:11,960

the media for a start but it's it's

635

00:24:17,830 --> 00:24:15,290

incredibly it's always despicable really

636

00:24:20,050 --> 00:24:17,840

it is especially for somebody with a

637

00:24:22,300 --> 00:24:20,060

history like Zaki what I find more

638

00:24:24,190 --> 00:24:22,310

interesting about it is that you know

639

00:24:26,230 --> 00:24:24,200

doctors criticize other doctors and

640

00:24:28,420 --> 00:24:26,240

academics criticize other academics

641

00:24:30,220 --> 00:24:28,430

that's that's what we do for a living

642

00:24:32,140 --> 00:24:30,230

you know that's you know I mean I'm sure

643

00:24:33,370 --> 00:24:32,150

you will have been to conferences where

644

00:24:34,960 --> 00:24:33,380

you know at the end of somebody

645

00:24:36,610 --> 00:24:34,970

presenting their paper somebody sort of

646

00:24:38,230 --> 00:24:36,620

asked it's devastating question and you

647

00:24:39,790 --> 00:24:38,240

know this harsh but you know that but

648

00:24:42,100 --> 00:24:39,800

you know that's how it is you know

649

00:24:44,740 --> 00:24:42,110

that's how science moves forward that

650

00:24:46,810 --> 00:24:44,750

excelling we learn and and you know

651  
00:24:49,990 --> 00:24:46,820  
politicians criticize other politicians

652  
00:24:52,960 --> 00:24:50,000  
but you know Matthias wrath and Anthony

653  
00:24:55,720 --> 00:24:52,970  
brung is one time right hand man they

654  
00:25:00,460 --> 00:24:55,730  
are leaders in the field of alternative

655  
00:25:04,360 --> 00:25:00,470  
therapy and not one single person from

656  
00:25:06,850 --> 00:25:04,370  
that community has seen fit despite

657  
00:25:09,280 --> 00:25:06,860  
everything that we've discussed not one

658  
00:25:11,380 --> 00:25:09,290  
single person from that alternative

659  
00:25:15,040 --> 00:25:11,390  
therapy in nutrition therapist community

660  
00:25:17,710 --> 00:25:15,050  
worldwide has had the decency or the

661  
00:25:20,830 --> 00:25:17,720  
balls to stand up and say something

662  
00:25:24,070 --> 00:25:20,840  
about these activities in South Africa

663  
00:25:26,560 --> 00:25:24,080

and that to me to be honest is is really

664

00:25:28,390 --> 00:25:26,570

very very seriously beneath contempt

665

00:25:30,850 --> 00:25:28,400

because there are bad things happening

666

00:25:32,860 --> 00:25:30,860

in medicine and academia but people talk

667

00:25:35,380 --> 00:25:32,870

about them people criticize them you

668

00:25:37,470 --> 00:25:35,390

know and in in the world of alternative

669

00:25:40,660 --> 00:25:37,480

therapies you can be as far out as

670

00:25:42,789 --> 00:25:40,670

Matthias wrath mentally brung and nobody

671

00:25:47,029 --> 00:25:42,799

will say a word

672

00:25:50,059 --> 00:25:47,039

and so ends part 1 of our interview with

673

00:25:52,129 --> 00:25:50,069

dr. ben goldacre join us next time when

674

00:25:53,929 --> 00:25:52,139

ben reveals all the details about the

675

00:25:55,759 --> 00:25:53,939

outcome of the libel case brought

676

00:25:58,879 --> 00:25:55,769

against himself and the guardian by

677

00:26:00,769 --> 00:25:58,889

matthias wrath and also why his critics

678

00:26:03,199 --> 00:26:00,779

can't pin the big pharma stooge on him

679

00:26:14,839 --> 00:26:03,209

but not for lack of trying see you in a

680

00:26:16,819 --> 00:26:14,849

fortnight's owners hi phil plait from

681

00:26:19,129 --> 00:26:16,829

Bad Astronomy calm and the James Randi

682

00:26:20,779 --> 00:26:19,139

Educational Foundation here if you want

683

00:26:23,389 --> 00:26:20,789

to get an American take on things like

684

00:26:25,489 --> 00:26:23,399

moon hoaxers astrology chiropractors

685

00:26:27,319 --> 00:26:25,499

creationists anti-vaxxers global warming

686

00:26:29,209 --> 00:26:27,329

denialists homeopath psychics UFO

687

00:26:33,019 --> 00:26:29,219

believers and doom Criers of any flavor

688

00:26:36,169 --> 00:26:33,029

then go to bad astronomy calm Randy org

689

00:26:38,149 --> 00:26:36,179

or skeptic blog org and there you'll be

690

00:26:39,949 --> 00:26:38,159

able to read me ranting railing frothing

691

00:26:42,439 --> 00:26:39,959

and foaming about hoaxes nonsense

692

00:26:55,690 --> 00:26:42,449

pseudoscience anti science and anyone

693

00:27:00,170 --> 00:26:58,190

well here we are beautiful coogee beach

694

00:27:03,470 --> 00:27:00,180

here in Sydney and I'm here with dr.

695

00:27:06,800 --> 00:27:03,480

Steve Roberts hi Steve hi and dr. Rachel

696

00:27:08,630 --> 00:27:06,810

don't love pirates it and we are sort of

697

00:27:11,930 --> 00:27:08,640

on the promenade here at the beach

698

00:27:15,170 --> 00:27:11,940

looking across the sand up to a hill

699

00:27:17,420 --> 00:27:15,180

where is the famous holy post behold the

700

00:27:20,030 --> 00:27:17,430

Holy post well there's not much to

701  
00:27:22,010 --> 00:27:20,040  
behold at the moment because this posted

702  
00:27:26,330 --> 00:27:22,020  
at certain times of the day a few years

703  
00:27:28,310 --> 00:27:26,340  
ago would cast a shadow and the post in

704  
00:27:30,080 --> 00:27:28,320  
the distance and the shadow or combined

705  
00:27:33,290 --> 00:27:30,090  
it sort of made a figure that look sort

706  
00:27:35,210 --> 00:27:33,300  
of vaguely like a human and you know in

707  
00:27:37,250 --> 00:27:35,220  
a robe or something like that of course

708  
00:27:40,580 --> 00:27:37,260  
some local took it to mean it was the

709  
00:27:43,520 --> 00:27:40,590  
mother Mary yeah but can I just

710  
00:27:46,400 --> 00:27:43,530  
emphasize which it is a fence post okay

711  
00:27:50,330 --> 00:27:46,410  
when you say the Holy post it is part of

712  
00:27:52,640 --> 00:27:50,340  
a fence like a figure bent over in love

713  
00:27:55,250 --> 00:27:52,650

in prayer or in supplication but it just

714

00:27:56,810 --> 00:27:55,260

well as what it is yeah yeah I was more

715

00:28:00,080 --> 00:27:56,820

like Mary Magdalene of the Virgin Mary

716

00:28:01,820 --> 00:28:00,090

actually that's because Micah posts than

717

00:28:04,820 --> 00:28:01,830

anything I well this was like a person

718

00:28:06,590 --> 00:28:04,830

somebody some nut came along at some

719

00:28:08,360 --> 00:28:06,600

stage and wrecked it and when the

720

00:28:10,400 --> 00:28:08,370

council put the post and the fence back

721

00:28:11,960 --> 00:28:10,410

together the illusion was gone because

722

00:28:15,230 --> 00:28:11,970

it was just one of those things whether

723

00:28:17,420 --> 00:28:15,240

it was just an right aspect than all the

724

00:28:19,250 --> 00:28:17,430

rest of it but it attracted thousands

725

00:28:21,890 --> 00:28:19,260

and thousands of people pilgrims came

726  
00:28:26,440 --> 00:28:21,900  
from everywhere there were queues and

727  
00:28:28,760 --> 00:28:26,450  
kids of people here it was in 2003 Oh

728  
00:28:31,010 --> 00:28:28,770  
about then I think you yeah it was a

729  
00:28:32,810 --> 00:28:31,020  
while ago but I know that the locals

730  
00:28:35,210 --> 00:28:32,820  
became very fed up because the place was

731  
00:28:37,220 --> 00:28:35,220  
just flooded with them pilgrims standing

732  
00:28:40,490 --> 00:28:37,230  
around looking at this fence anyway

733  
00:28:42,770 --> 00:28:40,500  
we're about a good 50 or 60 metres away

734  
00:28:44,660 --> 00:28:42,780  
from it at the moment maybe 100 meters

735  
00:28:50,260 --> 00:28:44,670  
so we'll wander up and have a close look

736  
00:28:57,280 --> 00:28:54,080  
we've now come up to the little clip

737  
00:28:59,540 --> 00:28:57,290  
area above coogee beach you're beautiful

738  
00:29:01,490 --> 00:28:59,550

crystal-clear water though right so day

739

00:29:02,810 --> 00:29:01,500

it's beautiful it you can see all the

740

00:29:03,779 --> 00:29:02,820

way to the bottom it's absolutely

741

00:29:05,909 --> 00:29:03,789

gorgeous

742

00:29:08,340 --> 00:29:05,919

and we've come along here we're

743

00:29:13,019 --> 00:29:08,350

following the fence alone the fence line

744

00:29:14,369 --> 00:29:13,029

along and here we are a very spot now

745

00:29:17,700 --> 00:29:14,379

what do we have here with a little

746

00:29:20,190 --> 00:29:17,710

garden full of flowers we've got some

747

00:29:24,779 --> 00:29:20,200

old clippings from newspapers dating

748

00:29:28,769 --> 00:29:24,789

back to whenever it was three two

749

00:29:30,960 --> 00:29:28,779

thousand or 31st manifestations in the

750

00:29:34,950 --> 00:29:30,970

clouds over the Philippines and so on a

751  
00:29:37,289 --> 00:29:34,960  
picture of God presumably there some old

752  
00:29:40,859 --> 00:29:37,299  
bloke with a beard a little it's a

753  
00:29:43,289 --> 00:29:40,869  
little blue plastic container screwed

754  
00:29:47,190 --> 00:29:43,299  
onto the side of the fence it says holy

755  
00:29:51,239 --> 00:29:47,200  
water yes and something here it says six

756  
00:29:53,879 --> 00:29:51,249  
year anniversary from apparition Mary

757  
00:29:57,029 --> 00:29:53,889  
Queen of Heaven and Earth and then feast

758  
00:29:59,099 --> 00:29:57,039  
and usually soft a fair we missed it we

759  
00:30:01,830 --> 00:29:59,109  
missed the feast damn it was a whole

760  
00:30:04,639 --> 00:30:01,840  
feast there are little flowers is little

761  
00:30:07,109 --> 00:30:04,649  
staff and look a Christmas stuff tree

762  
00:30:09,810 --> 00:30:07,119  
ornament here attached to the fence or a

763  
00:30:14,060 --> 00:30:09,820

small paper very small fence and little

764

00:30:18,450 --> 00:30:14,070

late postcards of various religious I

765

00:30:20,399 --> 00:30:18,460

take it that's Mary or somebody little

766

00:30:26,279 --> 00:30:20,409

children pray and seek the will of God

767

00:30:28,919 --> 00:30:26,289

in your life yeah lots of little cards

768

00:30:31,229 --> 00:30:28,929

it's like some sort of there's Jesus on

769

00:30:34,619 --> 00:30:31,239

a card with these heart pointing and

770

00:30:36,180 --> 00:30:34,629

he's part merciful Jesus it says and all

771

00:30:38,729 --> 00:30:36,190

the rest of them essentially each other

772

00:30:40,440 --> 00:30:38,739

to try it now isn't it desert so it's a

773

00:30:42,930 --> 00:30:40,450

small shrine someone's planted a little

774

00:30:44,700 --> 00:30:42,940

garden here and we've got a lantern with

775

00:30:46,560 --> 00:30:44,710

a tealight candle in it that I guess

776

00:30:48,269 --> 00:30:46,570

someone comes in lights occasionally you

777

00:30:49,859 --> 00:30:48,279

I do love the holy water container

778

00:30:54,870 --> 00:30:49,869

because someone's written holy water in

779

00:30:59,320 --> 00:30:57,850

really it's a nice seems too well for

780

00:31:01,540 --> 00:30:59,330

the Virgin Mary to look out of suppose

781

00:31:02,710 --> 00:31:01,550

here I remember that one of the comments

782

00:31:05,920 --> 00:31:02,720

at the time when they were interviewing

783

00:31:08,770 --> 00:31:05,930

some women on older women here he said I

784

00:31:10,330 --> 00:31:08,780

yes darling the mother marries come to

785

00:31:14,549 --> 00:31:10,340

appear here to tell the women to cover

786

00:31:17,410 --> 00:31:14,559

up their their best yeah I'm serious

787

00:31:20,350 --> 00:31:17,420

this is a list of the shadow of a fence

788

00:31:21,700 --> 00:31:20,360

post yeah there's a picture of what we

789

00:31:24,100 --> 00:31:21,710

were looking at before but in its heyday

790

00:31:26,980 --> 00:31:24,110

Steve yeah you can clearly see well

791

00:31:30,310 --> 00:31:26,990

that's that's the effect the area their

792

00:31:32,140 --> 00:31:30,320

shadows make the EM that's a very bad

793

00:31:35,169 --> 00:31:32,150

illusion i must say look we'll put a bit

794

00:31:39,000 --> 00:31:35,179

some pictures up on flickr folks you go

795

00:31:41,380 --> 00:31:39,010

to ww skeptic zone TV and click our

796

00:31:44,080 --> 00:31:41,390

photographs link there are some bushes

797

00:31:45,730 --> 00:31:44,090

behind as a teenage here in fact i'm up

798

00:31:48,310 --> 00:31:45,740

and it will be a bit of a hoot would be

799

00:31:50,620 --> 00:31:48,320

less in white robes and here at the most

800

00:31:52,870 --> 00:31:50,630

taste as possible time Rachel's taking a

801  
00:31:55,810 --> 00:31:52,880  
photograph but now rusty but as we talk

802  
00:31:57,430 --> 00:31:55,820  
look out so swimming toxin if you want

803  
00:31:58,930 --> 00:31:57,440  
one to know how we do these recordings

804  
00:32:03,280 --> 00:31:58,940  
you can look at our pick a site and

805  
00:32:05,020 --> 00:32:03,290  
she's taking it right now gosh and we're

806  
00:32:08,320 --> 00:32:05,030  
the shade of you over the Hans did it

807  
00:32:11,560 --> 00:32:08,330  
work oh it worked all right well from

808  
00:32:13,440 --> 00:32:11,570  
beautiful coogee beach where we can't

809  
00:32:17,380 --> 00:32:13,450  
see in the apparitions at the moment

810  
00:32:19,720 --> 00:32:17,390  
this is a Richard Saunders dr. Rachel

811  
00:32:24,310 --> 00:32:19,730  
thanks Richard and dr. Steve Roberts

812  
00:32:38,450 --> 00:32:36,170  
signing off from the Holy post yeah hi

813  
00:32:41,360 --> 00:32:38,460

I'm Theo Clark host and producer the

814

00:32:43,520 --> 00:32:41,370

podcast hunting humbug 101 each week I'm

815

00:32:45,350 --> 00:32:43,530

joined by my father Jeff Clark and we

816

00:32:47,420 --> 00:32:45,360

discuss a particular logical fallacy

817

00:32:48,950 --> 00:32:47,430

with real-life examples of fallacies

818

00:32:51,320 --> 00:32:48,960

from pseudo science science

819

00:32:54,710 --> 00:32:51,330

misconceptions politics philosophy and

820

00:32:57,440 --> 00:32:54,720

the media hacking humbug 101 is a

821

00:32:59,210 --> 00:32:57,450

companion podcast to our book humbug the

822

00:33:01,430 --> 00:32:59,220

skeptics field guide to spotting

823

00:33:04,100 --> 00:33:01,440

fallacies in thinking you can download

824

00:33:06,140 --> 00:33:04,110

them and subscribe to our podcast obtain

825

00:33:08,390 --> 00:33:06,150

a free copy of the ebook version of our

826

00:33:10,610 --> 00:33:08,400

book humbug and see many more real

827

00:33:16,690 --> 00:33:10,620

examples of fallacious reasoning at our

828

00:33:33,430 --> 00:33:16,700

website wwc upticks field guard dot net

829

00:33:38,270 --> 00:33:36,080

peterb outage otherwise known as red

830

00:33:41,330 --> 00:33:38,280

bags is the current New South Wales

831

00:33:44,810 --> 00:33:41,340

president of Australian skeptics he is a

832

00:33:47,780 --> 00:33:44,820

long time crusader against quackery and

833

00:33:49,850 --> 00:33:47,790

about a year ago I went to his place sat

834

00:33:51,799 --> 00:33:49,860

in his backyard and recorded this

835

00:33:55,990 --> 00:33:51,809

interview now if you want to see this

836

00:34:00,049 --> 00:33:56,000

interview you can go to ww tank vodcast

837

00:34:04,070 --> 00:34:00,059

wordpress com or you could go to youtube

838

00:34:07,280 --> 00:34:04,080

and type in reits up our I EDSA and

839

00:34:13,760 --> 00:34:07,290

you'll find the interview but let's go

840

00:34:16,280 --> 00:34:13,770

now to the backyard of rat bags well i'm

841

00:34:20,510 --> 00:34:16,290

here with peter bowditch and cody the

842

00:34:22,280 --> 00:34:20,520

dog hello and and and Thank You Cody and

843

00:34:24,200 --> 00:34:22,290

another dog Oh Peter what can you tell

844

00:34:27,230 --> 00:34:24,210

me about this dog here well this dog

845

00:34:28,909 --> 00:34:27,240

this is an acupuncture model dog and it

846

00:34:31,250 --> 00:34:28,919

has honored all the poor acupuncture

847

00:34:32,300 --> 00:34:31,260

points for treating dog illnesses it's

848

00:34:34,369 --> 00:34:32,310

like for those people listening it's

849

00:34:36,200 --> 00:34:34,379

like a little plastic model half of

850

00:34:38,450 --> 00:34:36,210

which looks like a real dog and if you

851  
00:34:40,099 --> 00:34:38,460  
turn it around it's the insights but the

852  
00:34:41,990 --> 00:34:40,109  
insides of the dog it's like one of

853  
00:34:44,750 --> 00:34:42,000  
those models you might see in a doctor

854  
00:34:46,820 --> 00:34:44,760  
surgery that's right yes and it has mark

855  
00:34:48,530 --> 00:34:46,830  
on it fear is echo puncture point which

856  
00:34:50,570 --> 00:34:48,540  
you use for treating certain places now

857  
00:34:52,700 --> 00:34:50,580  
one of the ones I like this just

858  
00:34:55,490 --> 00:34:52,710  
positively bit my thirst or there's a

859  
00:34:57,599 --> 00:34:55,500  
point down there on the tile yeah and

860  
00:35:00,120 --> 00:34:57,609  
it's called we gr

861  
00:35:02,430 --> 00:35:00,130  
only point on the body and that point is

862  
00:35:04,829 --> 00:35:02,440  
used for treating stroke sunstroke and

863  
00:35:06,470 --> 00:35:04,839

gastroenteritis on the tail on the tail

864

00:35:09,779 --> 00:35:06,480

yeah you could move them to that point

865

00:35:11,190 --> 00:35:09,789

now this worried be a bit because what

866

00:35:14,609 --> 00:35:11,200

happens for to say bull dogs that have

867

00:35:17,039 --> 00:35:14,619

no tail or dog who had their tails cut

868

00:35:18,690 --> 00:35:17,049

off hmm they used to be a practice in

869

00:35:21,239 --> 00:35:18,700

Australia of docking dogs tails for

870

00:35:23,099 --> 00:35:21,249

showing but what do you do to this dot

871

00:35:25,410 --> 00:35:23,109

poor dog if it suffers from stroke and

872

00:35:26,970 --> 00:35:25,420

you've cut off the acupuncture point

873

00:35:29,249 --> 00:35:26,980

that you use for treating it well it

874

00:35:31,319 --> 00:35:29,259

turns out there isn't a problem because

875

00:35:33,180 --> 00:35:31,329

there are many many places on the dog

876

00:35:36,690 --> 00:35:33,190

where you can treat the stroke oh really

877

00:35:38,309 --> 00:35:36,700

I notices one even here on oh yeah lots

878

00:35:39,359 --> 00:35:38,319

of point they were several but they're

879

00:35:41,069 --> 00:35:39,369

there as well there's one other point

880

00:35:42,210 --> 00:35:41,079

for gastroenteritis and I think it's

881

00:35:43,979 --> 00:35:42,220

that one there but I'd have to go and

882

00:35:46,170 --> 00:35:43,989

look up the book find out was that about

883

00:35:49,220 --> 00:35:46,180

midway I did way there so if you know

884

00:35:51,749 --> 00:35:49,230

the nearly hips into the hips yeah so

885

00:35:54,089 --> 00:35:51,759

with this model and a set of

886

00:35:55,680 --> 00:35:54,099

instructions that I got ah and you've

887

00:35:57,420 --> 00:35:55,690

got this in Hong Kong did you I bought

888

00:35:59,640 --> 00:35:57,430

it actually I bought it on eBay be back

889

00:36:02,759 --> 00:35:59,650

why travel but anyway we'll do it for

890

00:36:05,130 --> 00:36:02,769

their yes it cost me what do you do

891

00:36:08,130 --> 00:36:05,140

dollars i mean a bag and i might get one

892

00:36:09,989 --> 00:36:08,140

before the bargain yeah and I also have

893

00:36:11,849 --> 00:36:09,999

a model of a man but that's far was fun

894

00:36:14,400 --> 00:36:11,859

because everybody knows you can do

895

00:36:16,079 --> 00:36:14,410

acupuncture on people but I was unaware

896

00:36:18,059 --> 00:36:16,089

you could do acupuncture on dogs but I'm

897

00:36:21,239 --> 00:36:18,069

very good bullet please I've got this

898

00:36:23,249 --> 00:36:21,249

it's a dog with a proper dog face so it

899

00:36:26,069 --> 00:36:23,259

looks like Cody so now i know how i can

900

00:36:28,710 --> 00:36:26,079

truly mike and slave on Betsy's by doing

901  
00:36:30,420 --> 00:36:28,720  
my own noodling of Cody when he gets so

902  
00:36:31,890 --> 00:36:30,430  
maybe it works like a voodoo thing you

903  
00:36:34,950 --> 00:36:31,900  
put the needles into this dog in your

904  
00:36:37,589 --> 00:36:34,960  
real dog bear gets the benefit you think

905  
00:36:39,660 --> 00:36:37,599  
you're joking aren't I hope I'm joking

906  
00:36:41,549 --> 00:36:39,670  
there is a form of quackery called

907  
00:36:44,849 --> 00:36:41,559  
therapeutic touch that's like touch um

908  
00:36:47,220 --> 00:36:44,859  
touch field therapy touch field Ferris

909  
00:36:49,640 --> 00:36:47,230  
field therapy where you tap on

910  
00:36:53,580 --> 00:36:49,650  
acupuncture points

911  
00:36:56,190 --> 00:36:53,590  
the cue people you can do this by remote

912  
00:36:57,540 --> 00:36:56,200  
control over the telephone however it

913  
00:36:59,580 --> 00:36:57,550

cost you a hundred thousand dollars to

914

00:37:01,320 --> 00:36:59,590

do the training course and what you can

915

00:37:03,570 --> 00:37:01,330

do you actually sit down with the model

916

00:37:06,360 --> 00:37:03,580

dog and the other dog on the other of

917

00:37:07,770 --> 00:37:06,370

the telephone you could go tap the model

918

00:37:08,700 --> 00:37:07,780

dog and the other dog on the other end

919

00:37:09,990 --> 00:37:08,710

of the other phone gets all that they

920

00:37:11,460 --> 00:37:10,000

will get the benefit this is too

921

00:37:13,170 --> 00:37:11,470

remarkable order right through it is a

922

00:37:17,580 --> 00:37:13,180

remarkable thing it's a wonderful system

923

00:37:18,780 --> 00:37:17,590

thought field therapy there are lots are

924

00:37:20,670 --> 00:37:18,790

those sorts of quackery things around

925

00:37:22,470 --> 00:37:20,680

that was one which was just invented

926  
00:37:24,090 --> 00:37:22,480  
from whole cloth yeah some of the moon

927  
00:37:27,270 --> 00:37:24,100  
around forever now for example this

928  
00:37:29,370 --> 00:37:27,280  
little box here oh I like this I we've

929  
00:37:31,860 --> 00:37:29,380  
we've discussed this setup of it but

930  
00:37:33,480 --> 00:37:31,870  
this is a rifle machine Wow as an audio

931  
00:37:36,930 --> 00:37:33,490  
frequency one so this does with audio

932  
00:37:40,380 --> 00:37:36,940  
frequency you can get ones that use of

933  
00:37:41,760 --> 00:37:40,390  
magnetism and you can get ones that use

934  
00:37:44,700 --> 00:37:41,770  
electric stimulation as well but this

935  
00:37:46,470 --> 00:37:44,710  
one's an audio one and watch it's got 24

936  
00:37:48,120 --> 00:37:46,480  
programs you turn it on and fortunately

937  
00:37:50,280 --> 00:37:48,130  
doesn't like to us the flash you turn it

938  
00:37:52,530 --> 00:37:50,290

on says on the properties you set the

939

00:37:58,710 --> 00:37:52,540

program you want it for example program

940

00:38:01,860 --> 00:37:58,720

24 a program to cures aids program three

941

00:38:05,460 --> 00:38:01,870

it's different frequency cures cancer or

942

00:38:07,260 --> 00:38:05,470

cancer of course of course now these

943

00:38:10,050 --> 00:38:07,270

things were first can never work for a

944

00:38:13,980 --> 00:38:10,060

man called royal raymond rife in the

945

00:38:17,340 --> 00:38:13,990

1930s wife also invented a microscope

946

00:38:18,990 --> 00:38:17,350

and I've seen claims for up to 60,000

947

00:38:21,420 --> 00:38:19,000

times magnification with this optical

948

00:38:23,790 --> 00:38:21,430

microscope now it's interesting to note

949

00:38:26,580 --> 00:38:23,800

that if you go to carl zeiss it make

950

00:38:27,900 --> 00:38:26,590

microscopes they will give you a

951

00:38:30,600 --> 00:38:27,910

cellular microscope that will magnify to

952

00:38:33,450 --> 00:38:30,610

twelve hundred and fifty times the motto

953

00:38:35,970 --> 00:38:33,460

of Carl Zeiss is limited only by the laws

954

00:38:38,190 --> 00:38:35,980

of physics well that was a really

955

00:38:40,290 --> 00:38:38,200

appropriate thing but right had a

956

00:38:42,780 --> 00:38:40,300

microscope in the 1930s which could see

957

00:38:45,480 --> 00:38:42,790

viruses and can magnify to sixty

958

00:38:47,340 --> 00:38:45,490

thousand times it looks scientific it

959

00:38:50,400 --> 00:38:47,350

doesn't go under yeah someone said to me

960

00:38:52,050 --> 00:38:50,410

once they said his machine out performed

961

00:38:53,520 --> 00:38:52,060

the electron microscopes of the day I

962

00:38:55,290 --> 00:38:53,530

said well it was remarkable because they

963

00:38:56,550 --> 00:38:55,300

would any as the first electron

964

00:38:58,410 --> 00:38:56,560

microscope was actually patent another

965

00:39:00,010 --> 00:38:58,420

right they certainly did outperform them

966

00:39:02,500 --> 00:39:00,020

they did

967

00:39:05,350 --> 00:39:02,510

I have a the carrier's friend on the

968

00:39:06,910 --> 00:39:05,360

internet who was an acupuncturist apart

969

00:39:09,130 --> 00:39:06,920

from being an acupuncturist he is an

970

00:39:11,380 --> 00:39:09,140

absolutely red-hot supporter of real

971

00:39:13,210 --> 00:39:11,390

medicine and totally down on all other

972

00:39:15,520 --> 00:39:13,220

forms of quackery I shouldn't say all

973

00:39:16,870 --> 00:39:15,530

other forms I got offended and he

974

00:39:18,310 --> 00:39:16,880

actually a taxi but point out he

975

00:39:21,910 --> 00:39:18,320

actually says that he knows I don't

976  
00:39:23,980 --> 00:39:21,920  
believe him but he honestly believes he

977  
00:39:26,650 --> 00:39:23,990  
can help people but what he does say

978  
00:39:28,720 --> 00:39:26,660  
there are things he doesn't treat he

979  
00:39:32,850 --> 00:39:28,730  
doesn't treat terminal illness he treats

980  
00:39:36,730 --> 00:39:32,860  
transient things sore backs nausea

981  
00:39:38,080 --> 00:39:36,740  
things like that that go away anyway but

982  
00:39:41,770 --> 00:39:38,090  
here's an example here's a book called

983  
00:39:44,440 --> 00:39:41,780  
the cure for HIV and AIDS oh wow this

984  
00:39:47,140 --> 00:39:44,450  
doesn't work yeah now the person who

985  
00:39:48,280 --> 00:39:47,150  
wrote that book it does actually sell

986  
00:39:51,790 --> 00:39:48,290  
one of those machines and I've got

987  
00:39:54,160 --> 00:39:51,800  
Inquirer's here this is a genuine holder

988  
00:39:56,290 --> 00:39:54,170

Clark Zappa you will notice that it says

989

00:39:57,460 --> 00:39:56,300

Jake are on the top but cars been

990

00:40:00,000 --> 00:39:57,470

blocked out they were trying to pretend

991

00:40:02,680 --> 00:40:00,010

that this was a team made by JK JK is a

992

00:40:04,870 --> 00:40:02,690

electronic electronics chain here in

993

00:40:07,180 --> 00:40:04,880

Australia it's got a picture the Space

994

00:40:08,740 --> 00:40:07,190

Shuttle on the 5th now the idea of this

995

00:40:10,300 --> 00:40:08,750

is you hold the two little tubes and you

996

00:40:12,610 --> 00:40:10,310

turn it on this electric zapping comes

997

00:40:15,720 --> 00:40:12,620

through and cures things this woman's

998

00:40:18,400 --> 00:40:15,730

first book her name is holder Clark and

999

00:40:22,690 --> 00:40:18,410

she actually has a PhD she's a doctor

1000

00:40:26,470 --> 00:40:22,700

she has a PhD in pelion time crab at

1001  
00:40:28,540 --> 00:40:26,480  
palio physiology at physiology I

1002  
00:40:30,730 --> 00:40:28,550  
actually said once that she had a PhD in

1003  
00:40:33,190 --> 00:40:30,740  
crustacean physiology and I was accused

1004  
00:40:34,330 --> 00:40:33,200  
of lying but one of her supporters are

1005  
00:40:37,030 --> 00:40:34,340  
you going to get these ahead ranges that

1006  
00:40:39,490 --> 00:40:37,040  
because the word her parity thesis title

1007  
00:40:42,670 --> 00:40:39,500  
doesn't say crustacean the first book

1008  
00:40:45,030 --> 00:40:42,680  
was called the cure for all diseases the

1009  
00:40:48,730 --> 00:40:45,040  
second book was called the cure for all

1010  
00:40:50,380 --> 00:40:48,740  
cancer the next book was called the cure

1011  
00:40:52,240 --> 00:40:50,390  
for all advanced cancers now all have

1012  
00:40:54,580 --> 00:40:52,250  
thought that each of those books was

1013  
00:40:57,550 --> 00:40:54,590

included in the prior one then she came

1014

00:40:59,470 --> 00:40:57,560

up with a cure for hiv/aids she has a

1015

00:41:02,200 --> 00:40:59,480

clinic in Tijuana which we were charging

1016

00:41:05,230 --> 00:41:02,210

fifteen thousand dollars a week to treat

1017

00:41:08,830 --> 00:41:05,240

people for AIDS I have been to this

1018

00:41:11,200 --> 00:41:08,840

clinic it is in the sleaziest part of

1019

00:41:14,020 --> 00:41:11,210

Tijuana and for those of you who haven't

1020

00:41:16,330 --> 00:41:14,030

been to Tijuana the sleaziest part of

1021

00:41:18,610 --> 00:41:16,340

Tijuana cannot be described as you'd go

1022

00:41:20,380 --> 00:41:18,620

there because the best part of Tijuana

1023

00:41:24,310 --> 00:41:20,390

will be classed as a sludgy as part of

1024

00:41:26,650 --> 00:41:24,320

Sydney it is not aid salubrious town but

1025

00:41:29,470 --> 00:41:26,660

I didn't see one single health food shop

1026

00:41:31,840 --> 00:41:29,480

or one shop selling supplements or any

1027

00:41:33,160 --> 00:41:31,850

homeopaths or any chiropractors but what

1028

00:41:35,610 --> 00:41:33,170

I did see you it's a normal number of

1029

00:41:37,890 --> 00:41:35,620

pharmacies selling legitimate

1030

00:41:41,470 --> 00:41:37,900

prescription drugs without prescriptions

1031

00:41:44,650 --> 00:41:41,480

the real genuine articles people drive

1032

00:41:47,530 --> 00:41:44,660

down from San Diego to Tijuana to buy

1033

00:41:49,750 --> 00:41:47,540

their heart treatment their cholesterol

1034

00:41:52,360 --> 00:41:49,760

medication their diabetes medication all

1035

00:41:54,310 --> 00:41:52,370

those sorts of things they all go there

1036

00:41:55,840 --> 00:41:54,320

and they buy the real thing they don't

1037

00:41:59,410 --> 00:41:55,850

go and buy the fake ones when they're

1038

00:42:02,110 --> 00:41:59,420

available yeah another thing that I hear

1039

00:42:05,950 --> 00:42:02,120

quite a lot when I'm talking to these

1040

00:42:07,690 --> 00:42:05,960

sort of people these app is all these

1041

00:42:09,400 --> 00:42:07,700

sort of things work because they work on

1042

00:42:11,200 --> 00:42:09,410

the vibrations and we're all made out of

1043

00:42:14,050 --> 00:42:11,210

vibrations and I know that one's awesome

1044

00:42:15,820 --> 00:42:14,060

what they meant by that well I'm asking

1045

00:42:17,350 --> 00:42:15,830

you what do they think they mean when

1046

00:42:20,470 --> 00:42:17,360

they say we're all made out of vibration

1047

00:42:22,030 --> 00:42:20,480

they don't really know they then it's

1048

00:42:23,230 --> 00:42:22,040

another by the other works they usually

1049

00:42:24,760 --> 00:42:23,240

come Noah tell you that you need to

1050

00:42:27,850 --> 00:42:24,770

remove toxins from your body energy

1051  
00:42:31,270 --> 00:42:27,860  
toxins vibrations and I always on which

1052  
00:42:33,610 --> 00:42:31,280  
toxins and they have no answer yeah when

1053  
00:42:36,640 --> 00:42:33,620  
you say which vibrations they have no

1054  
00:42:38,530 --> 00:42:36,650  
answer to that either then yes we're all

1055  
00:42:40,510 --> 00:42:38,540  
vibrating at the quantum level are all

1056  
00:42:41,680 --> 00:42:40,520  
shaking all over the place but that

1057  
00:42:43,450 --> 00:42:41,690  
doesn't mean one of those things plugged

1058  
00:42:45,430 --> 00:42:43,460  
in internal certain frequency is going

1059  
00:42:50,950 --> 00:42:45,440  
to kill things the principle that rife

1060  
00:42:52,870 --> 00:42:50,960  
worked on was resonance and when you

1061  
00:42:55,210 --> 00:42:52,880  
think about it it's possible things

1062  
00:42:57,610 --> 00:42:55,220  
vibrate at a certain that your frequency

1063  
00:42:58,870 --> 00:42:57,620

if you can get them to vibrate very hard

1064

00:43:00,460 --> 00:42:58,880

at that natural frequency they'll break

1065

00:43:03,490 --> 00:43:00,470

and it's Caruso singing and breaking the

1066

00:43:05,380 --> 00:43:03,500

wine glass it's the classic exam the

1067

00:43:07,390 --> 00:43:05,390

idea being that if you've got a bacteria

1068

00:43:09,580 --> 00:43:07,400

it will and you can get the vibrate at

1069

00:43:11,260 --> 00:43:09,590

the point where it destroys itself you

1070

00:43:14,320 --> 00:43:11,270

can destroy them these things are being

1071

00:43:15,970 --> 00:43:14,330

tested they don't work it's not a matter

1072

00:43:18,240 --> 00:43:15,980

of

1073

00:43:20,380 --> 00:43:18,250

totally impossible like some things are

1074

00:43:22,420 --> 00:43:20,390

so the people who push that no it

1075

00:43:24,180 --> 00:43:22,430

doesn't work that's what I say I think

1076  
00:43:27,160 --> 00:43:24,190  
that there are some people out there who

1077  
00:43:28,840 --> 00:43:27,170  
seriously believe they I'm sure there

1078  
00:43:30,400 --> 00:43:28,850  
are i'm sure that i was i was at the

1079  
00:43:33,510 --> 00:43:30,410  
mind-body-spirit festival and there was

1080  
00:43:37,480 --> 00:43:33,520  
a woman there who was a psychologist

1081  
00:43:39,160 --> 00:43:37,490  
fully qualified psychologist clinical

1082  
00:43:41,740 --> 00:43:39,170  
psychologist and she had taken on a

1083  
00:43:43,030 --> 00:43:41,750  
franchise for one of those machines she

1084  
00:43:44,890 --> 00:43:43,040  
would teach of course she thought she

1085  
00:43:46,660 --> 00:43:44,900  
could use it as mad a junk and what she

1086  
00:43:49,120 --> 00:43:46,670  
was already doing to help of emotions

1087  
00:43:50,470 --> 00:43:49,130  
right now in fact maybe what had

1088  
00:43:52,300 --> 00:43:50,480

patience did was just a good talking-to

1089

00:43:54,640 --> 00:43:52,310

and so the psychology part of it was

1090

00:43:56,620 --> 00:43:54,650

working anyway yeah she was convinced

1091

00:44:00,220 --> 00:43:56,630

some solvent against her that this thing

1092

00:44:02,890 --> 00:44:00,230

would help and that she was perfectly

1093

00:44:04,210 --> 00:44:02,900

sincere about it the bus or other people

1094

00:44:06,190 --> 00:44:04,220

charging ninety dollars through an

1095

00:44:07,510 --> 00:44:06,200

allergy test by poking a probe into your

1096

00:44:09,670 --> 00:44:07,520

hand and make me go too deep and saying

1097

00:44:10,900 --> 00:44:09,680

a you hold little glass bottle yeah a

1098

00:44:12,099 --> 00:44:10,910

bleep eight again so you're allergic to

1099

00:44:14,590 --> 00:44:12,109

this oh and by the way we've got the

1100

00:44:16,960 --> 00:44:14,600

treatment for that if there'd they know

1101  
00:44:18,550 --> 00:44:16,970  
what they're doing I have no doubt that

1102  
00:44:21,580 --> 00:44:18,560  
the boss of this book knows exactly what

1103  
00:44:23,470 --> 00:44:21,590  
she's doing yeah yeah she might appear

1104  
00:44:25,120 --> 00:44:23,480  
to be nuts but she isn't now other

1105  
00:44:27,280 --> 00:44:25,130  
people I think that probably know what

1106  
00:44:29,830 --> 00:44:27,290  
they're doing a large companies or who

1107  
00:44:31,810 --> 00:44:29,840  
produce these little pills here which

1108  
00:44:36,400 --> 00:44:31,820  
are of course homeopathic these are

1109  
00:44:37,780 --> 00:44:36,410  
homeopathic sleeping tablets and they're

1110  
00:44:39,520 --> 00:44:37,790  
basically what are they what they are

1111  
00:44:43,410 --> 00:44:39,530  
they contain the ingredients wonderful

1112  
00:44:48,200 --> 00:44:43,420  
they contain 14c capsicum 3c chamomilla

1113  
00:44:51,320 --> 00:44:48,210

the sbarro like 4c coffee and 30c coffee

1114

00:44:53,120 --> 00:44:51,330

they in that field there are two

1115

00:44:56,900 --> 00:44:53,130

different concentrations of the same

1116

00:44:59,060 --> 00:44:56,910

chemical if this is a fact unknown to

1117

00:45:00,230 --> 00:44:59,070

most of science that you can take two

1118

00:45:01,579 --> 00:45:00,240

different concentrations of the same

1119

00:45:03,710 --> 00:45:01,589

chemical and mix them together and get

1120

00:45:05,599 --> 00:45:03,720

and they stay separate the interesting

1121

00:45:08,750 --> 00:45:05,609

thing is that it doesn't say that that

1122

00:45:11,180 --> 00:45:08,760

is in fact 30c coffee it says contains

1123

00:45:13,700 --> 00:45:11,190

equal parts off which means which means

1124

00:45:16,700 --> 00:45:13,710

that it contained it could contain one

1125

00:45:18,170 --> 00:45:16,710

millionth of a gram there are what it

1126

00:45:22,579 --> 00:45:18,180

basically is a little tab full of

1127

00:45:25,430 --> 00:45:22,589

lactose delicious before I was diagnosed

1128

00:45:27,230 --> 00:45:25,440

with diabetes like to stand on stage may

1129

00:45:29,000 --> 00:45:27,240

four of these things before performance

1130

00:45:31,250 --> 00:45:29,010

in washing over the glass of red wine I

1131

00:45:32,960 --> 00:45:31,260

still do the red wine but I believe that

1132

00:45:35,060 --> 00:45:32,970

my endocrinologist but advised me

1133

00:45:36,410 --> 00:45:35,070

against having 24 Lugo's tablets or

1134

00:45:38,359 --> 00:45:36,420

lactose so I've another one like of

1135

00:45:40,220 --> 00:45:38,369

another muses sleep to hang up now

1136

00:45:43,160 --> 00:45:40,230

here's another one yeah these were sent

1137

00:45:44,570 --> 00:45:43,170

to me by a homeopath this man challenged

1138

00:45:47,480 --> 00:45:44,580

me he said that I didn't do nothing

1139

00:45:48,950 --> 00:45:47,490

about homeopathy that I wasn't prepared

1140

00:45:51,380 --> 00:45:48,960

to learn anything about homeopathy and

1141

00:45:52,550 --> 00:45:51,390

that i wouldn't try homeopathy and he

1142

00:45:54,500 --> 00:45:52,560

said to me put your money where your

1143

00:45:56,780 --> 00:45:54,510

mouth is I says why don't you put your

1144

00:46:00,190 --> 00:45:56,790

money where my mouth is and send me some

1145

00:46:03,740 --> 00:46:00,200

pills so he did he said me these pills

1146

00:46:06,500 --> 00:46:03,750

what they are is 203 belladonna and

1147

00:46:08,120 --> 00:46:06,510

they're practically invisible smallest

1148

00:46:09,620 --> 00:46:08,130

pills I think I've ever seen I'll just

1149

00:46:10,790 --> 00:46:09,630

put one on mine but actually what they

1150

00:46:15,740 --> 00:46:10,800

are at the hundreds and thousands like

1151

00:46:19,520 --> 00:46:15,750

you put on the top of a cake 200 see

1152

00:46:24,530 --> 00:46:19,530

what 200 C means is that you take the

1153

00:46:30,589 --> 00:46:24,540

active ingredient belladonna and you

1154

00:46:33,380 --> 00:46:30,599

dilute it one part in 100 it down so you

1155

00:46:36,410 --> 00:46:33,390

take one gram of belladonna and ninety

1156

00:46:38,930 --> 00:46:36,420

nine grams of something and you mix it

1157

00:46:42,520 --> 00:46:38,940

all up then you take one gram of the

1158

00:46:46,010 --> 00:46:42,530

subsequent mixture and you mix that with

1159

00:46:47,960 --> 00:46:46,020

99 grams of whatever it is you're making

1160

00:46:49,490 --> 00:46:47,970

in theory you do this but you see wreck

1161

00:46:51,859 --> 00:46:49,500

this doesn't happen can you do that two

1162

00:46:53,710 --> 00:46:51,869

hundred times yeah how long would that

1163

00:46:55,820 --> 00:46:53,720

take honestly it would take you forever

1164

00:46:57,200 --> 00:46:55,830

what this set these are theirs are

1165

00:47:00,170 --> 00:46:57,210

hundreds and thousands there are dollar

1166

00:47:02,020 --> 00:47:00,180

16 a kilogram at Woolworth's even

1167

00:47:05,480 --> 00:47:02,030

sugar if you buy them through a cake

1168

00:47:06,620 --> 00:47:05,490

decorating wholesaler I don't know how

1169

00:47:08,599 --> 00:47:06,630

much they charge those little bottle of

1170

00:47:11,059 --> 00:47:08,609

25 tablets go all a bit it's not on

1171

00:47:12,109 --> 00:47:11,069

pro-rata basis he tells me to take them

1172

00:47:13,609 --> 00:47:12,119

i said i'm going to take a whole lot of

1173

00:47:16,250 --> 00:47:13,619

them in one go he said now you're going

1174

00:47:18,559 --> 00:47:16,260

to take one per hour for 12 hours to get

1175

00:47:20,690 --> 00:47:18,569

the effect even through the night or

1176

00:47:22,339 --> 00:47:20,700

whatever so I didn't I got exactly the

1177

00:47:26,839 --> 00:47:22,349

effect i expected which is nothing at

1178

00:47:28,460 --> 00:47:26,849

all according to my book a modern her

1179

00:47:30,170 --> 00:47:28,470

ball by mrs. maude group published in

1180

00:47:31,849 --> 00:47:30,180

nineteen thirty which I use often

1181

00:47:34,040 --> 00:47:31,859

against him pretend to know nothing

1182

00:47:35,930 --> 00:47:34,050

about herbs it describes the effect of

1183

00:47:39,859 --> 00:47:35,940

belladonna which by the way is poison

1184

00:47:43,220 --> 00:47:39,869

now you tell me crazy this is deadly not

1185

00:47:46,430 --> 00:47:43,230

change alright this is bad news this

1186

00:47:48,559 --> 00:47:46,440

stuff it causes sweating for to fainting

1187

00:47:50,299 --> 00:47:48,569

death and so forth I never had any of

1188

00:47:52,940 --> 00:47:50,309

those things what you talked about the

1189

00:47:56,180 --> 00:47:52,950

dilution I've got here a treatment for

1190

00:47:59,210 --> 00:47:56,190

hepatitis B it's 50 Miller 50 milliliter

1191

00:48:02,750 --> 00:47:59,220

bottle a couple of years ago people

1192

00:48:04,359 --> 00:48:02,760

putting out a vaccine act actions more

1193

00:48:06,950 --> 00:48:04,369

appropriate this one is a meningococcal

1194

00:48:09,680 --> 00:48:06,960

circuit overspend meningioma comunicado

1195

00:48:11,270 --> 00:48:09,690

once I'm here that's water water and

1196

00:48:16,280 --> 00:48:11,280

what they were doing was are putting out

1197

00:48:20,359 --> 00:48:16,290

a 200 C homeopathic preparation of this

1198

00:48:25,099 --> 00:48:20,369

vaccine and I said at the time that this

1199

00:48:27,620 --> 00:48:25,109

was fraud to make a 200 see what all

1200

00:48:29,539 --> 00:48:27,630

that size that bottle a size of 200 C

1201  
00:48:33,829 --> 00:48:29,549  
homeopathic preparation would reproduce

1202  
00:48:35,870 --> 00:48:33,839  
a thousand liters a thousand liters of

1203  
00:48:38,210 --> 00:48:35,880  
wastewater produced that bond we've got

1204  
00:48:39,200 --> 00:48:38,220  
a drought on that's very responsible now

1205  
00:48:41,030 --> 00:48:39,210  
remember you've got to throw that away

1206  
00:48:42,170 --> 00:48:41,040  
because it's and of course it's medical

1207  
00:48:43,670 --> 00:48:42,180  
waste so it's gotta be treated properly

1208  
00:48:46,280 --> 00:48:43,680  
hasn't it you can't just took it down

1209  
00:48:48,589 --> 00:48:46,290  
the drain in fact I actually calculated

1210  
00:48:51,020 --> 00:48:48,599  
at the time that to produce all of the

1211  
00:48:52,099 --> 00:48:51,030  
meningococcal vaccine for one year of

1212  
00:48:55,130 --> 00:48:52,109  
the program in Australia when they're

1213  
00:48:57,200 --> 00:48:55,140

giving away would have required to do it

1214

00:48:59,000 --> 00:48:57,210

homeopathic alee seventy percent of the

1215

00:49:01,430 --> 00:48:59,010

water used to produce all the coca-cola

1216

00:49:02,720 --> 00:49:01,440

consumed in Australia in 12 months who'd

1217

00:49:04,940 --> 00:49:02,730

read a lot of soft neck in this country

1218

00:49:06,559 --> 00:49:04,950

give me the coca-cola and said whatever

1219

00:49:09,380 --> 00:49:06,569

wonderful toys have we got down here oh

1220

00:49:10,920 --> 00:49:09,390

you're all sorts of stuff finally to

1221

00:49:12,299 --> 00:49:10,930

wrap it up

1222

00:49:14,880 --> 00:49:12,309

because we're running out of time a

1223

00:49:16,920 --> 00:49:14,890

little bit mad true madness one of my

1224

00:49:19,200 --> 00:49:16,930

favorite topics indeed yeah it's the any

1225

00:49:23,790 --> 00:49:19,210

vaccinations people the person who

1226

00:49:25,770 --> 00:49:23,800

produced this video has told me that all

1227

00:49:28,559 --> 00:49:25,780

cases of shaken baby syndrome are caused

1228

00:49:32,520 --> 00:49:28,569

by vaccines in fact she has told me that

1229

00:49:34,920 --> 00:49:32,530

it is impossible impossible to term a

1230

00:49:36,839 --> 00:49:34,930

baby by shaking it and she claims of

1231

00:49:38,940 --> 00:49:36,849

scientific tests have been done with

1232

00:49:40,410 --> 00:49:38,950

monkeys were they taken monkeys and

1233

00:49:43,170 --> 00:49:40,420

tried to shake them to death and they

1234

00:49:46,559 --> 00:49:43,180

haven't been able to succeed another

1235

00:49:49,319 --> 00:49:46,569

little service this person offers is if

1236

00:49:51,329 --> 00:49:49,329

you want to travel to say Nigel in

1237

00:49:52,710 --> 00:49:51,339

Africa and you want to come back to

1238

00:49:54,480 --> 00:49:52,720

Australia you're required to have a

1239

00:49:57,120 --> 00:49:54,490

yellow fever vaccination certificate

1240

00:49:58,740 --> 00:49:57,130

know very few not all doctors in

1241

00:50:01,319 --> 00:49:58,750

Australia can actually do vaccinations

1242

00:50:02,609 --> 00:50:01,329

for yellow fever they have to get a

1243

00:50:03,900 --> 00:50:02,619

special license special certificate

1244

00:50:06,329 --> 00:50:03,910

certification the Federal Department of

1245

00:50:08,130 --> 00:50:06,339

Health this lady will put you in touch

1246

00:50:09,480 --> 00:50:08,140

with a doctor who will give you a

1247

00:50:11,490 --> 00:50:09,490

certificate saying you've been

1248

00:50:13,859 --> 00:50:11,500

vaccinated against yellow fever when you

1249

00:50:18,930 --> 00:50:13,869

haven't and then you reach the point

1250

00:50:20,640 --> 00:50:18,940

where any reasonable course or flow of

1251  
00:50:22,410 --> 00:50:20,650  
conversation simply breaks down these

1252  
00:50:24,390 --> 00:50:22,420  
can't you just cannot book people like

1253  
00:50:25,559 --> 00:50:24,400  
that yeah once they start really play

1254  
00:50:28,980 --> 00:50:25,569  
hiding in a matter where they're totally

1255  
00:50:30,809 --> 00:50:28,990  
insane you can't do for example with the

1256  
00:50:33,780 --> 00:50:30,819  
polio I've been told that polio has not

1257  
00:50:36,210 --> 00:50:33,790  
gone it's still around it's just been

1258  
00:50:37,650 --> 00:50:36,220  
renowned as a septic meningitis when I

1259  
00:50:40,559 --> 00:50:37,660  
say well where are the iron lungs where

1260  
00:50:42,150 --> 00:50:40,569  
the calipers on the kids I we were not

1261  
00:50:44,130 --> 00:50:42,160  
every class or didn't promise got had

1262  
00:50:45,780 --> 00:50:44,140  
kids that we had to allow for in games

1263  
00:50:48,480 --> 00:50:45,790

because they wobble because I had one

1264

00:50:50,190 --> 00:50:48,490

twisted league in calluses yeah well I'd

1265

00:50:51,990 --> 00:50:50,200

my appendix out and I was very young I

1266

00:50:54,240 --> 00:50:52,000

[h\_\_h] in while the other people in the

1267

00:50:56,309 --> 00:50:54,250

hill dhryn hospital in the ward in the

1268

00:50:57,630 --> 00:50:56,319

hospital and children's ward was a girl

1269

00:51:00,180 --> 00:50:57,640

who was going to die in a lot and I on

1270

00:51:02,250 --> 00:51:00,190

lunch at polio now what I'm doing now

1271

00:51:03,890 --> 00:51:02,260

for the people viewing this episode I'm

1272

00:51:06,780 --> 00:51:03,900

just putting up a photograph of Peter

1273

00:51:08,099 --> 00:51:06,790

inspecting an iron lung and it's the

1274

00:51:09,900 --> 00:51:08,109

only place where you could really find

1275

00:51:12,480 --> 00:51:09,910

one now in this country it's in a museum

1276

00:51:15,319 --> 00:51:12,490

that's right it's in a museum and that's

1277

00:51:17,670 --> 00:51:15,329

the only place they should be yeah but

1278

00:51:20,130 --> 00:51:17,680

I've been told that it's still around or

1279

00:51:22,440 --> 00:51:20,140

I want to know where it is I've also

1280

00:51:24,059 --> 00:51:22,450

been told that because there was one

1281

00:51:26,489 --> 00:51:24,069

batch of vaccines

1282

00:51:29,519 --> 00:51:26,499

is the Palio vaccination in 1956 that

1283

00:51:30,870 --> 00:51:29,529

was contaminated that everybody who was

1284

00:51:33,870 --> 00:51:30,880

vaccinated by that has developed

1285

00:51:37,410 --> 00:51:33,880

medulloblastoma had died everybody well

1286

00:51:39,089 --> 00:51:37,420

I'm yeah I'm dead well I'm sure a lot of

1287

00:51:41,130 --> 00:51:39,099

people wish you were dead we're happy

1288

00:51:46,109 --> 00:51:41,140

you're not dead I encourage everybody to

1289

00:51:48,209 --> 00:51:46,119

go and visit w WX calm and of course

1290

00:51:49,979 --> 00:51:48,219

everybody watching this that will be in

1291

00:51:52,170 --> 00:51:49,989

total agreement with Peter but if in

1292

00:51:53,729 --> 00:51:52,180

case you're not you can send him hate

1293

00:51:55,890 --> 00:51:53,739

mail and I'm sure you'll be delighted to

1294

00:51:59,099 --> 00:51:55,900

read as I do now the one thing I like to

1295

00:52:00,689 --> 00:51:59,109

finish off with yes the big word in all

1296

00:52:03,359 --> 00:52:00,699

of alternative medicine is natural

1297

00:52:06,599 --> 00:52:03,369

natural everybody knows that natural is

1298

00:52:09,299 --> 00:52:06,609

good now leave aside that the world's

1299

00:52:11,039 --> 00:52:09,309

most toxic substance bottlers and toxin

1300

00:52:12,359 --> 00:52:11,049

that stuff you inject into people's

1301  
00:52:15,059 --> 00:52:12,369  
faces so they talk funny when the

1302  
00:52:16,739 --> 00:52:15,069  
electors and the second most toxic ricin

1303  
00:52:18,959 --> 00:52:16,749  
which I can walk across here and get out

1304  
00:52:21,120 --> 00:52:18,969  
of a castor oil plant but natural is

1305  
00:52:22,769 --> 00:52:21,130  
good and so anything which is a hundred

1306  
00:52:24,870 --> 00:52:22,779  
percent natural must be really good for

1307  
00:52:28,380 --> 00:52:24,880  
us to be good so we're going to finish

1308  
00:52:31,160 --> 00:52:28,390  
off oh yeah with some natural beverage

1309  
00:52:33,390 --> 00:52:31,170  
there's on the back of this it says here

1310  
00:52:35,430 --> 00:52:33,400  
using only one hundred percent natural

1311  
00:52:38,249 --> 00:52:35,440  
ingredients heineken is additive and

1312  
00:52:47,349 --> 00:52:38,259  
preservative-free can this stuff not be

1313  
00:52:51,980 --> 00:52:49,970

well thank you for joining me Richard

1314

00:52:53,960 --> 00:52:51,990

Saunders for this episode of the skeptic

1315

00:52:56,330 --> 00:52:53,970

zone next week we'll have our full

1316

00:52:58,490 --> 00:52:56,340

episode with dr. Ritchie reports the

1317

00:53:01,609 --> 00:52:58,500

round up the think tank grain of salt

1318

00:53:03,980 --> 00:53:01,619

and all the features you like and to

1319

00:53:07,340 --> 00:53:03,990

leave you I would advise that you

1320

00:53:10,820 --> 00:53:07,350

actually listen to or download Ben gold

1321

00:53:13,040 --> 00:53:10,830

acres podcast Ben Goldacre from earlier

1322

00:53:16,330 --> 00:53:13,050

in the show his latest episode has a

1323

00:53:18,590 --> 00:53:16,340

very interesting sequence featuring

1324

00:53:21,230 --> 00:53:18,600

somebody who doesn't think that

1325

00:53:24,680 --> 00:53:21,240

vaccinations are a good idea worth a

1326

00:53:26,390 --> 00:53:24,690

listen until next week this is Richard

1327

00:53:31,760 --> 00:53:26,400

Saunders signing off from Sydney

1328

00:53:36,020 --> 00:53:31,770

Australia you've been listening to the

1329

00:53:39,290 --> 00:53:36,030

skeptic zone visit our website at wwc a

1330

00:53:43,280 --> 00:53:39,300

petting zoo TV for comments contacts and

1331

00:53:43,290 --> 00:53:47,450

it's

1332

00:53:47,460 --> 00:53:54,579

check