

1  
00:00:05,929 --> 00:00:13,699  
welcome to the skeptic zone the podcast

2  
00:00:09,119 --> 00:00:13,699  
from Australia for science and reason

3  
00:00:21,940 --> 00:00:28,280  
hello and welcome to the skeptic zone

4  
00:00:24,410 --> 00:00:29,810  
show number 277 Richard Saunders here

5  
00:00:28,280 --> 00:00:31,250  
with you from Sydney Australia still a

6  
00:00:29,809 --> 00:00:34,640  
little bit under the weather my friends

7  
00:00:31,250 --> 00:00:36,140  
I regret to tell you getting there

8  
00:00:34,640 --> 00:00:38,380  
getting better but the old voice has

9  
00:00:36,140 --> 00:00:40,700  
taken a bit of a hammering can't quite

10  
00:00:38,380 --> 00:00:43,070  
can't quite get it better at the moment

11  
00:00:40,700 --> 00:00:45,200  
still that shouldn't stop me bringing

12  
00:00:43,070 --> 00:00:46,429  
you this week's episode of the skeptic

13  
00:00:45,200 --> 00:00:49,129  
zone we're going to kick off with a

14  
00:00:46,429 --> 00:00:51,519  
report which can be found at our website

15  
00:00:49,128 --> 00:00:55,549  
the Australian skeptics website that is

16  
00:00:51,520 --> 00:00:58,820  
ww skeptics calm today you the story of

17  
00:00:55,549 --> 00:01:01,729  
dr. ken harvey resigning from latrobe

18  
00:00:58,820 --> 00:01:04,489  
university over the deal they have done

19  
00:01:01,729 --> 00:01:06,950  
with the swiss wellness vitamin company

20  
00:01:04,489 --> 00:01:09,200  
dr. ken harvey as well known to skeptics

21  
00:01:06,950 --> 00:01:11,299  
and soon we'll be hearing about he

22  
00:01:09,200 --> 00:01:13,010  
really stood on his principles and made

23  
00:01:11,299 --> 00:01:15,709  
what many considered to be the right

24  
00:01:13,010 --> 00:01:17,180  
move in resigning from the university

25  
00:01:15,709 --> 00:01:19,669  
over this issue we'll hear more about

26  
00:01:17,180 --> 00:01:22,310  
that in a report coming up at the top of

27  
00:01:19,670 --> 00:01:24,680  
the show and then after the break its

28  
00:01:22,310 --> 00:01:27,140  
Maynard spooky action may nods going to

29

00:01:24,680 --> 00:01:30,799  
be chatting to rob burn from rotary all

30  
00:01:27,140 --> 00:01:33,170  
about the end polio now campaign now Rob

31  
00:01:30,799 --> 00:01:35,479  
Byrne was a recent guest at skeptics in

32  
00:01:33,170 --> 00:01:38,269  
the pub and what are entertaining an

33  
00:01:35,478 --> 00:01:40,879  
interesting thought provoking talk he

34  
00:01:38,269 --> 00:01:45,319  
gave about rotaries efforts around the

35  
00:01:40,879 --> 00:01:47,539  
world to rid the world of polio very

36  
00:01:45,319 --> 00:01:49,548  
encouraging and and what a great talk it

37  
00:01:47,539 --> 00:01:51,500  
was so we'll be hearing from rod burn

38  
00:01:49,549 --> 00:01:54,200  
with Maynard then may not church to all

39  
00:01:51,500 --> 00:01:57,680  
sorts of people at the pub posing a

40  
00:01:54,200 --> 00:02:00,228  
couple of questions one is how do people

41  
00:01:57,680 --> 00:02:02,840  
think they would go if they had to do a

42  
00:02:00,228 --> 00:02:08,538  
bill nighy in other words debate

43  
00:02:02,840 --> 00:02:10,960

creationists hmm also he asked what

44

00:02:08,538 --> 00:02:15,109

would take them what would it take you

45

00:02:10,960 --> 00:02:18,140

to leave your job on a matter of

46

00:02:15,110 --> 00:02:21,170

principles and speaking of the Ken Ham

47

00:02:18,139 --> 00:02:25,699

Bill Nye debate just the other day a few

48

00:02:21,169 --> 00:02:27,409

days ago I like many was well to be

49

00:02:25,699 --> 00:02:30,109

honest slightly worried about that is

50

00:02:27,409 --> 00:02:33,769

not a good idea to debate creationist I

51

00:02:30,110 --> 00:02:34,550

think it's generally held that that it's

52

00:02:33,769 --> 00:02:39,500

not a good idea how

53

00:02:34,550 --> 00:02:40,719

I think however despite concerns I think

54

00:02:39,500 --> 00:02:43,219

bill nye did a pretty good job

55

00:02:40,719 --> 00:02:45,590

considering I don't know if you had a

56

00:02:43,219 --> 00:02:47,840

chance to see that debate yet it goes on

57

00:02:45,590 --> 00:02:50,330

for quite a long time I know it's

58  
00:02:47,840 --> 00:02:53,300  
available on YouTube it's very easy to

59  
00:02:50,330 --> 00:02:56,510  
find if you just Google bill nye Ken Ham

60  
00:02:53,300 --> 00:02:58,700  
you'll find it and yeah I think the

61  
00:02:56,509 --> 00:03:02,179  
general consensus out there is that bill

62  
00:02:58,699 --> 00:03:05,689  
nye did an okay job whereas many in the

63  
00:03:02,180 --> 00:03:07,849  
past of difficulty in debating

64  
00:03:05,689 --> 00:03:09,710  
creationists for many reasons not at

65  
00:03:07,849 --> 00:03:14,299  
least being things like the Gish gallup

66  
00:03:09,710 --> 00:03:15,860  
where creationists will present so many

67  
00:03:14,300 --> 00:03:17,900  
so-called facts it's impossible to

68  
00:03:15,860 --> 00:03:20,990  
refute them all and this was named after

69  
00:03:17,900 --> 00:03:22,610  
a very famous creationist too i came to

70  
00:03:20,990 --> 00:03:25,909  
australia many years ago duane Teague

71  
00:03:22,610 --> 00:03:28,160  
ish they used to employ this practice

72  
00:03:25,909 --> 00:03:30,250  
well if I don't stop talking soon I

73  
00:03:28,159 --> 00:03:33,560  
think my voice will run out altogether

74  
00:03:30,250 --> 00:03:35,960  
so apologies for the rough voice in my

75  
00:03:33,560 --> 00:03:38,000  
reports this week and thank you for

76  
00:03:35,960 --> 00:03:39,770  
Maynard for stepping in and helping me

77  
00:03:38,000 --> 00:03:42,830  
out later on in the show with Maynard

78  
00:03:39,770 --> 00:03:49,760  
spooky action so that being said it's

79  
00:03:42,830 --> 00:03:53,959  
time to run downstairs look for the new

80  
00:03:49,759 --> 00:03:59,569  
year chicken soup now soda water mmm

81  
00:03:53,959 --> 00:04:02,330  
root beer me send your suggestions on a

82  
00:03:59,569 --> 00:04:05,799  
postcard while you're doing that I hope

83  
00:04:02,330 --> 00:04:05,800  
you enjoy the skeptics am

84  
00:04:31,050 --> 00:04:38,020  
from the website of Australian skeptics

85  
00:04:34,000 --> 00:04:40,689  
ww skeptics calm day you can Harvey

86

00:04:38,019 --> 00:04:42,969  
quits over Swiss latrobe deal rejected

87  
00:04:40,689 --> 00:04:46,870  
by other unis published on Tuesday

88  
00:04:42,970 --> 00:04:49,450  
februari for 2014 and since including

89  
00:04:46,870 --> 00:04:52,090  
this update the proposed deal between

90  
00:04:49,449 --> 00:04:54,729  
Swiss wellness and Latrobe University

91  
00:04:52,089 --> 00:04:57,039  
that led to serial campaigner dr. ken

92  
00:04:54,730 --> 00:04:59,410  
harvey to resign his position as adjunct

93  
00:04:57,040 --> 00:05:01,240  
professor at the unis School of Public

94  
00:04:59,410 --> 00:05:03,400  
Health has apparently run the gamut of

95  
00:05:01,240 --> 00:05:05,980  
several universities over a lengthy

96  
00:05:03,399 --> 00:05:09,699  
period of time before finally being

97  
00:05:05,980 --> 00:05:12,069  
taken up by latrobe Bond University on

98  
00:05:09,699 --> 00:05:15,399  
the Queensland Gold Coast was approached

99  
00:05:12,069 --> 00:05:18,430  
about the possible venture in September

100  
00:05:15,399 --> 00:05:20,769

2012 before the university rejected it

101

00:05:18,430 --> 00:05:23,819

at least two other universities were

102

00:05:20,769 --> 00:05:26,620

also approached and the offer rejected

103

00:05:23,819 --> 00:05:29,500

Harvey's decision has been supported by

104

00:05:26,620 --> 00:05:31,899

academics around Australia as well as

105

00:05:29,500 --> 00:05:34,660

the Friends of science in medicine and

106

00:05:31,899 --> 00:05:37,120

the consumers health form of Australia

107

00:05:34,660 --> 00:05:39,070

organizations Marc Methot all as

108

00:05:37,120 --> 00:05:43,259

spokesman for the consumer health forum

109

00:05:39,069 --> 00:05:46,540

said that latrobe in describing Swiss as

110

00:05:43,259 --> 00:05:49,539

Victoria's leading global wellness

111

00:05:46,540 --> 00:05:51,879

company quote appears to have fallen for

112

00:05:49,540 --> 00:05:54,189

the company's celebrity backed marketing

113

00:05:51,879 --> 00:05:56,709

pitch such a statement exposes the

114

00:05:54,189 --> 00:05:59,290

university as credulous and naive end

115  
00:05:56,709 --> 00:06:02,379  
quote at latrobe Swiss will contribute

116  
00:05:59,290 --> 00:06:04,960  
15 million dollars to the university

117  
00:06:02,379 --> 00:06:08,110  
over six years as a founding partner of

118  
00:06:04,959 --> 00:06:12,759  
a complimentary medicine evidence center

119  
00:06:08,110 --> 00:06:15,220  
CM EC professor Keith Nugent deputy

120  
00:06:12,759 --> 00:06:18,069  
vice-chancellor research fuller trobe

121  
00:06:15,220 --> 00:06:21,400  
said in an announcement late in January

122  
00:06:18,069 --> 00:06:24,310  
that quote once the sea mcc is

123  
00:06:21,399 --> 00:06:24,848  
established Swiss will continue to have

124  
00:06:24,310 --> 00:06:26,949  
its pride

125  
00:06:24,848 --> 00:06:30,399  
undergo rigorous and independent

126  
00:06:26,949 --> 00:06:32,408  
scientific assessment and quote Harvey

127  
00:06:30,399 --> 00:06:35,678  
however has cast doubt on the company's

128  
00:06:32,408 --> 00:06:38,259  
commitment to such assessment quote

129  
00:06:35,678 --> 00:06:41,168  
Swiss is well known for prioritizing the

130  
00:06:38,259 --> 00:06:43,330  
marketing of its products especially by

131  
00:06:41,168 --> 00:06:45,459  
the use of celebrities over their

132  
00:06:43,329 --> 00:06:47,588  
scientific assessment he told the

133  
00:06:45,459 --> 00:06:50,918  
university's vice-chancellor in his

134  
00:06:47,588 --> 00:06:52,749  
letter of resignation quote indeed many

135  
00:06:50,918 --> 00:06:54,490  
of the claims Swiss has made about their

136  
00:06:52,749 --> 00:06:56,229  
products have been judged to have

137  
00:06:54,490 --> 00:06:59,079  
breached the Therapeutic Goods

138  
00:06:56,228 --> 00:07:02,818  
Administration code by the independent

139  
00:06:59,079 --> 00:07:05,228  
complaint resolution panel CRP in quote

140  
00:07:02,819 --> 00:07:07,269  
Harvey said that quote many

141  
00:07:05,228 --> 00:07:10,748  
advertisements claim that Swiss products

142  
00:07:07,269 --> 00:07:13,838  
were proven clinically proven proven

143

00:07:10,749 --> 00:07:16,419  
results scientifically proven clinically

144  
00:07:13,838 --> 00:07:21,129  
tested with proven results proven in

145  
00:07:16,418 --> 00:07:24,368  
clinical trials however the CRP quote

146  
00:07:21,129 --> 00:07:26,199  
noted that most of the study Swiss used

147  
00:07:24,369 --> 00:07:28,300  
to support these claims were weak in

148  
00:07:26,199 --> 00:07:31,119  
that they were conducted on a small

149  
00:07:28,300 --> 00:07:33,639  
number of patients in narrowly defined

150  
00:07:31,119 --> 00:07:35,559  
groups such as elderly men that are not

151  
00:07:33,639 --> 00:07:38,528  
representative of the general adult

152  
00:07:35,559 --> 00:07:40,300  
population to whom the panel considered

153  
00:07:38,528 --> 00:07:42,819  
the television advertisements were

154  
00:07:40,300 --> 00:07:45,189  
addressed none of the eight studies

155  
00:07:42,819 --> 00:07:47,709  
cited supported representations that

156  
00:07:45,189 --> 00:07:50,860  
Swiss products were clinically proven to

157  
00:07:47,709 --> 00:07:54,038

improve stamina energy general health

158

00:07:50,860 --> 00:07:57,249

and well-being or relative fatigue

159

00:07:54,038 --> 00:07:59,978

tiredness or stress in the general adult

160

00:07:57,249 --> 00:08:02,278

population quote I certainly support

161

00:07:59,978 --> 00:08:04,688

more research into the efficacy of

162

00:08:02,278 --> 00:08:07,418

complementary medicines and quote Harvey

163

00:08:04,689 --> 00:08:10,449

said in his letter quote but in my view

164

00:08:07,418 --> 00:08:13,568

it is crucial that the design assessment

165

00:08:10,449 --> 00:08:15,788

and funding of such research be at arm's

166

00:08:13,569 --> 00:08:18,459

length from a particular company and

167

00:08:15,788 --> 00:08:24,248

overseen by an independent body such as

168

00:08:18,459 --> 00:08:25,809

the aarc and/or NH MRC in quote he

169

00:08:24,249 --> 00:08:28,539

pointed out that industry-sponsored

170

00:08:25,809 --> 00:08:31,059

research were more likely to report

171

00:08:28,538 --> 00:08:33,818

positive outcomes than were trials

172  
00:08:31,059 --> 00:08:36,278  
funded by other sources quote in

173  
00:08:33,818 --> 00:08:38,528  
addition contract research for industry

174  
00:08:36,278 --> 00:08:41,078  
can be specifically designed to

175  
00:08:38,528 --> 00:08:43,899  
provide a particular result for example

176  
00:08:41,078 --> 00:08:45,878  
performing a battery of 60 or more tests

177  
00:08:43,899 --> 00:08:47,289  
of mental functioning while

178  
00:08:45,879 --> 00:08:49,899  
administrating a multivitamin

179  
00:08:47,289 --> 00:08:52,389  
preparation is likely to find that one

180  
00:08:49,899 --> 00:08:54,818  
or two tests will show statistical

181  
00:08:52,389 --> 00:08:57,970  
significance due to random chance and

182  
00:08:54,818 --> 00:08:59,860  
quote he suggested that quote one

183  
00:08:57,970 --> 00:09:02,589  
appropriate mechanism for industry to

184  
00:08:59,860 --> 00:09:04,899  
assist such research would be for

185  
00:09:02,589 --> 00:09:08,319  
several companies to partner with one or

186  
00:09:04,899 --> 00:09:12,129  
more universities in the aarc linkage

187  
00:09:08,318 --> 00:09:13,838  
grants submission and quote quote I am

188  
00:09:12,129 --> 00:09:16,389  
concerned that the partnership of

189  
00:09:13,839 --> 00:09:18,279  
Latrobe University with Swiss wellness

190  
00:09:16,389 --> 00:09:20,558  
proprietary limited involves a

191  
00:09:18,278 --> 00:09:24,370  
fundamental conflict of interest both

192  
00:09:20,558 --> 00:09:27,129  
for the proposed cmec and the staff

193  
00:09:24,370 --> 00:09:29,049  
involved in addition I am concerned that

194  
00:09:27,129 --> 00:09:31,659  
this arrangement will impact on the

195  
00:09:29,049 --> 00:09:35,558  
reputation of the University given the

196  
00:09:31,659 --> 00:09:37,328  
track record of Swiss and quote he added

197  
00:09:35,558 --> 00:09:39,578  
that a large number of his colleagues

198  
00:09:37,328 --> 00:09:41,849  
had raised questions about the

199  
00:09:39,578 --> 00:09:44,708  
appropriateness of the his ongoing

200

00:09:41,850 --> 00:09:48,308  
association with Latrobe University

201  
00:09:44,708 --> 00:09:50,558  
given the arrangements with Swiss quote

202  
00:09:48,308 --> 00:09:53,169  
taking all the above into account I

203  
00:09:50,558 --> 00:09:56,159  
hereby confirmed my resignation as

204  
00:09:53,169 --> 00:09:58,628  
adjunct associate professor and quote

205  
00:09:56,159 --> 00:10:01,000  
Harvey is well known to skeptics for his

206  
00:09:58,629 --> 00:10:03,308  
ongoing battle both through the

207  
00:10:01,000 --> 00:10:05,528  
Therapeutic Goods Administration over

208  
00:10:03,308 --> 00:10:07,719  
claims made by alt MEDC ump anees in

209  
00:10:05,528 --> 00:10:10,509  
their advertising and promotional

210  
00:10:07,720 --> 00:10:13,449  
material his complaints have all been

211  
00:10:10,509 --> 00:10:15,730  
upheld upon investigation in particular

212  
00:10:13,448 --> 00:10:18,458  
he is known for his fight against the

213  
00:10:15,730 --> 00:10:20,860  
sensor slim company for its claimed

214  
00:10:18,458 --> 00:10:23,258

weight loss product sensor slim

215

00:10:20,860 --> 00:10:25,568

notoriously sued Harvey in what is

216

00:10:23,259 --> 00:10:28,539

generally regarded as a slap suit

217

00:10:25,568 --> 00:10:30,849

designed to keep him quiet Harvey fought

218

00:10:28,539 --> 00:10:33,338

back with financial assistance from the

219

00:10:30,850 --> 00:10:35,800

skeptical community by a fundraising

220

00:10:33,339 --> 00:10:38,589

effort initiated by Australian skeptics

221

00:10:35,799 --> 00:10:40,958

he won the case but despite a court

222

00:10:38,589 --> 00:10:44,499

ruling his costs have not been recovered

223

00:10:40,958 --> 00:10:46,750

from census lim ken harvey was the

224

00:10:44,499 --> 00:10:49,509

winner of the Australian skeptics thorny

225

00:10:46,750 --> 00:10:51,879

reward in 2011 and was made a life

226

00:10:49,509 --> 00:10:57,278

member of Australian skeptics in Nova

227

00:10:51,879 --> 00:11:14,059

2013 and that report can be found at ww

228

00:10:57,278 --> 00:11:16,460

skeptics com au welcome to a week in

229  
00:11:14,059 --> 00:11:18,859  
science from our ions bringing you the

230  
00:11:16,460 --> 00:11:21,170  
science you need to know at the Sochi

231  
00:11:18,860 --> 00:11:24,110  
Winter Olympics athletes will compete on

232  
00:11:21,169 --> 00:11:25,909  
a mountain 600 meters above sea level by

233  
00:11:24,110 --> 00:11:27,649  
winter olympics standards it's not that

234  
00:11:25,909 --> 00:11:31,389  
big but they've still been training in

235  
00:11:27,649 --> 00:11:31,389  
special ways to get used to the altitude

236  
00:11:37,700 --> 00:11:43,350  
altitude training became really big

237  
00:11:40,139 --> 00:11:46,528  
after the Mexico City Olympics in 1968

238  
00:11:43,350 --> 00:11:48,570  
they happened at an altitude of 2,400

239  
00:11:46,528 --> 00:11:50,519  
meters and athletes who trained to deal

240  
00:11:48,570 --> 00:11:53,220  
with the height really dominated of

241  
00:11:50,519 --> 00:11:55,440  
breaking all kinds records atmospheric

242  
00:11:53,220 --> 00:11:57,180  
pressure decreases at high altitudes

243  
00:11:55,440 --> 00:11:59,579  
which basically means that the air

244  
00:11:57,179 --> 00:12:01,679  
becomes thinner the molecules are spaced

245  
00:11:59,578 --> 00:12:04,649  
further apart meaning that every breath

246  
00:12:01,679 --> 00:12:06,239  
you take contains less oxygen this means

247  
00:12:04,649 --> 00:12:08,610  
that your body has to work a lot harder

248  
00:12:06,240 --> 00:12:11,129  
to get the same amount of oxygen to all

249  
00:12:08,610 --> 00:12:13,139  
your muscles and organs researchers

250  
00:12:11,129 --> 00:12:16,078  
estimate that you work twenty percent

251  
00:12:13,139 --> 00:12:17,850  
harder at 3000 meters altitude as your

252  
00:12:16,078 --> 00:12:20,309  
heart rate increases and you breathe

253  
00:12:17,850 --> 00:12:21,990  
faster so it's no surprise that athletes

254  
00:12:20,309 --> 00:12:25,828  
will climate eyes to this elevation

255  
00:12:21,990 --> 00:12:27,419  
perform better there are a couple of

256  
00:12:25,828 --> 00:12:29,759  
different ways that you can train for

257

00:12:27,419 --> 00:12:31,948  
competing at high altitude one famous

258  
00:12:29,759 --> 00:12:34,559  
study tested three different training

259  
00:12:31,948 --> 00:12:36,838  
regimes the first regime was trained low

260  
00:12:34,559 --> 00:12:39,569  
live high where athletes trained at a

261  
00:12:36,839 --> 00:12:42,089  
normal elevation but slept and lived at

262  
00:12:39,570 --> 00:12:44,910  
high altitude the second group trained

263  
00:12:42,089 --> 00:12:47,279  
and lived at high altitudes while the

264  
00:12:44,909 --> 00:12:49,439  
last group lived and trained at a normal

265  
00:12:47,278 --> 00:12:51,799  
level they were basically the control

266  
00:12:49,440 --> 00:12:54,630  
group the athletes in the high altitude

267  
00:12:51,799 --> 00:12:56,909  
regimes both showed an increase in red

268  
00:12:54,629 --> 00:13:00,448  
blood cells to carry more oxygen around

269  
00:12:56,909 --> 00:13:02,789  
their bodies but only the trainload live

270  
00:13:00,448 --> 00:13:05,219  
high group improves their running times

271  
00:13:02,789 --> 00:13:07,319

many sporting facilities like the

272

00:13:05,220 --> 00:13:09,570

Australian Institute of Sport have

273

00:13:07,320 --> 00:13:12,028

special low oxygen homes where athletes

274

00:13:09,570 --> 00:13:15,060

can live and sleep you're listening to a

275

00:13:12,028 --> 00:13:18,309

week in science from our AOS and now for

276

00:13:15,059 --> 00:13:21,559

winter sports science facts

277

00:13:18,309 --> 00:13:23,838

winter athletes inhale up to 100 liters

278

00:13:21,559 --> 00:13:25,789

per minute of cold air and have a higher

279

00:13:23,839 --> 00:13:28,880

prevalence of respiratory problems

280

00:13:25,789 --> 00:13:30,919

including asthma a downside of altitude

281

00:13:28,879 --> 00:13:33,189

training is that athletes sleep worse

282

00:13:30,919 --> 00:13:35,750

and may have a weakened immune system

283

00:13:33,190 --> 00:13:38,149

aerodynamics is hugely important in many

284

00:13:35,750 --> 00:13:40,490

winter sports ski jumpers hold their

285

00:13:38,149 --> 00:13:43,190

bodies at precise angles to generate

286  
00:13:40,490 --> 00:13:45,948  
lift cross country skiing is one of the

287  
00:13:43,190 --> 00:13:48,230  
most energy-intensive sports with skiers

288  
00:13:45,948 --> 00:13:53,568  
displaying some of the highest oxygen

289  
00:13:48,230 --> 00:13:55,699  
capacities vo2 max ever recorded that's

290  
00:13:53,568 --> 00:13:57,620  
it for this week in science for more

291  
00:13:55,698 --> 00:14:01,458  
information about winter sports science

292  
00:13:57,620 --> 00:14:03,860  
check out our website are I aus org dot

293  
00:14:01,458 --> 00:14:06,439  
a you follow us on Twitter and like us

294  
00:14:03,860 --> 00:14:11,899  
on facebook i'm karen green and we'll

295  
00:14:06,440 --> 00:14:14,180  
catch you next week hello there this is

296  
00:14:11,899 --> 00:14:15,769  
dusty springfield is some hideous hour

297  
00:14:14,179 --> 00:14:17,508  
of the morning in England and I really

298  
00:14:15,769 --> 00:14:18,828  
resent may not calling me at this time

299  
00:14:17,509 --> 00:14:20,870  
of the morning I've had eight cups of

300  
00:14:18,828 --> 00:14:22,879  
coffee and I feel really lousy and I'm

301  
00:14:20,870 --> 00:14:24,828  
totally do real Wally and I tell you I

302  
00:14:22,879 --> 00:14:26,328  
have to agree with that I've only known

303  
00:14:24,828 --> 00:14:27,739  
him for eight minutes and he strikes me

304  
00:14:26,328 --> 00:14:29,599  
as being the biggest whirling I've ever

305  
00:14:27,740 --> 00:14:30,829  
known it in my life but anyway you

306  
00:14:29,600 --> 00:14:38,209  
better listen to him because he plays

307  
00:14:30,828 --> 00:14:42,389  
good record here's my not spooky action

308  
00:14:38,208 --> 00:14:46,019  
at the distance

309  
00:14:42,389 --> 00:14:48,120  
oh no no look I'm here in an alcove it's

310  
00:14:46,019 --> 00:14:50,189  
skeptics in the pub Sydney here with Rob

311  
00:14:48,120 --> 00:14:52,649  
what rubble little boy you've got a huge

312  
00:14:50,190 --> 00:14:54,570  
Rotarian nametag there what's it say it

313  
00:14:52,649 --> 00:14:57,059  
says Rob burn and I'm from the Rotary

314

00:14:54,570 --> 00:14:59,580  
Club of tera mera and I'm the polio

315  
00:14:57,059 --> 00:15:01,469  
chair for this part of Sydney was that

316  
00:14:59,580 --> 00:15:03,060  
it was a big competition to get that

317  
00:15:01,470 --> 00:15:04,649  
chair is it a tough one I mean did a lot

318  
00:15:03,059 --> 00:15:06,000  
of people want to really hit that have

319  
00:15:04,649 --> 00:15:08,159  
you done that for years and you're the

320  
00:15:06,000 --> 00:15:11,210  
guy who's a guy go-to guy I basically

321  
00:15:08,159 --> 00:15:13,589  
didn't step back fast enough main idea

322  
00:15:11,210 --> 00:15:16,710  
okay you were saying how a Rotarian czar

323  
00:15:13,590 --> 00:15:17,940  
into eliminating polio and and you had

324  
00:15:16,710 --> 00:15:20,129  
an influence of that early in your

325  
00:15:17,940 --> 00:15:22,830  
childhood why is that one disease the

326  
00:15:20,129 --> 00:15:24,809  
one they they picked well there's a long

327  
00:15:22,830 --> 00:15:27,330  
history to that and it's one which I've

328  
00:15:24,809 --> 00:15:29,789

been researching lately and basically I

329

00:15:27,330 --> 00:15:33,450

think the situation was back in the late

330

00:15:29,789 --> 00:15:36,389

70s we were pretty pleased with the fact

331

00:15:33,450 --> 00:15:38,250

that smallpox had been eradicated and

332

00:15:36,389 --> 00:15:41,250

there was a lot of thought about well

333

00:15:38,250 --> 00:15:43,289

what which disease might be next and you

334

00:15:41,250 --> 00:15:45,480

look at the characteristics of polio

335

00:15:43,289 --> 00:15:48,059

which is a virus borne disease which

336

00:15:45,480 --> 00:15:51,090

only exists in humans no other animals

337

00:15:48,059 --> 00:15:54,599

and it is a disease which absolutely can

338

00:15:51,090 --> 00:15:56,820

be eradicated provided we have the right

339

00:15:54,600 --> 00:15:58,740

tools and we do we have the right tools

340

00:15:56,820 --> 00:16:01,530

that were invented back in the 50s in

341

00:15:58,740 --> 00:16:03,810

the form of vaccines and so these

342

00:16:01,529 --> 00:16:06,149

vaccines have been unbelievably

343  
00:16:03,809 --> 00:16:08,479  
effective to that point they are

344  
00:16:06,149 --> 00:16:11,490  
unbelievably effective in the West and

345  
00:16:08,480 --> 00:16:13,529  
rotary which is an organization which

346  
00:16:11,490 --> 00:16:17,070  
believes in taking care of individuals

347  
00:16:13,529 --> 00:16:18,839  
in the communities felt we should have

348  
00:16:17,070 --> 00:16:21,270  
that same sort of success in other

349  
00:16:18,840 --> 00:16:25,170  
countries which can't really afford the

350  
00:16:21,269 --> 00:16:26,879  
vaccines like we can so rotary initiated

351  
00:16:25,169 --> 00:16:29,399  
a project initially in the Philippines

352  
00:16:26,879 --> 00:16:31,350  
actually and that was in the late 70s

353  
00:16:29,399 --> 00:16:33,809  
and then in the mid 80s started a

354  
00:16:31,350 --> 00:16:36,060  
worldwide push called polio plus and

355  
00:16:33,809 --> 00:16:38,339  
then in 1988 will

356  
00:16:36,059 --> 00:16:41,909  
joined by the World Health Organization

357  
00:16:38,340 --> 00:16:45,660  
and others and it's become by far the

358  
00:16:41,909 --> 00:16:47,909  
biggest public health project the world

359  
00:16:45,659 --> 00:16:49,049  
has ever seen and where does it come

360  
00:16:47,909 --> 00:16:51,539  
from it's carried through the human

361  
00:16:49,049 --> 00:16:52,979  
digestive system and most people carry

362  
00:16:51,539 --> 00:16:56,279  
it without knowing it is that correct

363  
00:16:52,980 --> 00:16:58,500  
that is correct yeah but the the virus

364  
00:16:56,279 --> 00:17:01,250  
usually just passes harmlessly through

365  
00:16:58,500 --> 00:17:04,049  
the system the bed that's the good news

366  
00:17:01,250 --> 00:17:08,430  
only about one in 200 people who have

367  
00:17:04,049 --> 00:17:12,659  
the virus in their system are paralyzed

368  
00:17:08,430 --> 00:17:16,740  
by the by the virus however all of those

369  
00:17:12,660 --> 00:17:18,360  
200 people contagious like they don't

370  
00:17:16,740 --> 00:17:19,589  
know that they've got the virus they

371

00:17:18,359 --> 00:17:21,569  
have no way of knowing they've got the

372  
00:17:19,589 --> 00:17:23,069  
virus but they are contagious just as

373  
00:17:21,569 --> 00:17:25,619  
contagious as the person has been

374  
00:17:23,069 --> 00:17:28,289  
paralyzed so it's a tough tough disease

375  
00:17:25,619 --> 00:17:30,719  
to get rid of because of that factor and

376  
00:17:28,289 --> 00:17:32,490  
a major factor is people not washing

377  
00:17:30,720 --> 00:17:34,289  
their hands too and I imagine ever since

378  
00:17:32,490 --> 00:17:35,880  
the 50s there's been a huge wash your

379  
00:17:34,289 --> 00:17:39,450  
hands campaign in worldwide oh

380  
00:17:35,880 --> 00:17:41,880  
absolutely I can I I'm baby of the 50s

381  
00:17:39,450 --> 00:17:45,269  
and I remember very very clearly my

382  
00:17:41,880 --> 00:17:47,250  
mother just being very emphatic about

383  
00:17:45,269 --> 00:17:49,859  
washing your hands washing your hands

384  
00:17:47,250 --> 00:17:52,349  
and that is the vector as they say

385  
00:17:49,859 --> 00:17:54,509

that's how the disease is transmitted

386

00:17:52,349 --> 00:17:56,369

from one person to another 30 must drive

387

00:17:54,509 --> 00:17:58,379

you crazy when you go to a pub like we

388

00:17:56,369 --> 00:17:59,729

all do and you see so many guys walking

389

00:17:58,380 --> 00:18:02,730

out without washing their hands you feel

390

00:17:59,730 --> 00:18:05,579

like what let's go yet oh yeah yeah well

391

00:18:02,730 --> 00:18:08,430

I gotta say it is primarily fecal matter

392

00:18:05,579 --> 00:18:11,159

right okay yes which is the issue but

393

00:18:08,430 --> 00:18:12,990

yes that is a huge concern and it's

394

00:18:11,160 --> 00:18:15,180

something which we need to lift our game

395

00:18:12,990 --> 00:18:16,890

on yeah yep so guys lift your game and

396

00:18:15,180 --> 00:18:18,660

women I know some of you aren't wash in

397

00:18:16,890 --> 00:18:20,700

your hand either you know they don't get

398

00:18:18,660 --> 00:18:22,170

away scot-free so what is the big

399

00:18:20,700 --> 00:18:24,210

initiative what's what probably that the

400  
00:18:22,170 --> 00:18:27,470  
silver bullet that come with the magic

401  
00:18:24,210 --> 00:18:30,630  
book that will wipe out polio well the

402  
00:18:27,470 --> 00:18:34,380  
thing which we really really need is

403  
00:18:30,630 --> 00:18:37,620  
more funding the we are short on funds

404  
00:18:34,380 --> 00:18:39,900  
to finish the job and it's

405  
00:18:37,619 --> 00:18:43,199  
we're talking vast amounts of money that

406  
00:18:39,900 --> 00:18:46,890  
have been spent already about 10 billion

407  
00:18:43,200 --> 00:18:49,590  
dollars and over the next six years we

408  
00:18:46,890 --> 00:18:51,180  
need to spend another five so it's it's

409  
00:18:49,589 --> 00:18:54,539  
a vast amount of money we need to find

410  
00:18:51,180 --> 00:18:56,660  
and basically every penny helps you've

411  
00:18:54,539 --> 00:18:58,980  
got a huge problem with vaccination in

412  
00:18:56,660 --> 00:19:00,900  
Afghanistan for example where where aid

413  
00:18:58,980 --> 00:19:02,900  
workers that are in on vaccination

414  
00:19:00,900 --> 00:19:07,980  
programs are actually been killed yes

415  
00:19:02,900 --> 00:19:09,750  
Pakistan it's it's a tragedy the we call

416  
00:19:07,980 --> 00:19:13,019  
them the polio heroes these are the

417  
00:19:09,750 --> 00:19:15,079  
people who voluntarily go out risking

418  
00:19:13,019 --> 00:19:17,220  
their lives because there are some

419  
00:19:15,079 --> 00:19:21,089  
misguided people out there who believe

420  
00:19:17,220 --> 00:19:24,990  
that vaccination is some sort of demonic

421  
00:19:21,089 --> 00:19:26,759  
sort of a I think it's a tool of the

422  
00:19:24,990 --> 00:19:28,710  
West is that the way it comes across or

423  
00:19:26,759 --> 00:19:30,839  
is it a religious thing it's a little

424  
00:19:28,710 --> 00:19:34,799  
bit of both a tool of the west and the

425  
00:19:30,839 --> 00:19:36,629  
tool of the devil i mean you mean you

426  
00:19:34,799 --> 00:19:38,220  
can sort of understand this you know

427  
00:19:36,630 --> 00:19:42,030  
there are people who don't have the same

428

00:19:38,220 --> 00:19:43,890  
sort of educational opportunities but we

429  
00:19:42,029 --> 00:19:46,829  
are getting to those people we sit down

430  
00:19:43,890 --> 00:19:49,620  
with them we explain how much progress

431  
00:19:46,829 --> 00:19:52,500  
that we've made we explain why the

432  
00:19:49,619 --> 00:19:53,789  
disease has gone away in other areas and

433  
00:19:52,500 --> 00:19:56,329  
why their children is still getting

434  
00:19:53,789 --> 00:19:58,980  
paralyzed and the penny drops

435  
00:19:56,329 --> 00:20:01,019  
consistently one area after another

436  
00:19:58,980 --> 00:20:03,509  
where we go and talk to them the penny

437  
00:20:01,019 --> 00:20:05,129  
drops and the religious leaders very

438  
00:20:03,509 --> 00:20:08,069  
frequently turn into our biggest

439  
00:20:05,130 --> 00:20:10,080  
advocates yeah so you know that that is

440  
00:20:08,069 --> 00:20:11,549  
a big turnaround in most cases and

441  
00:20:10,079 --> 00:20:13,019  
you're here talking to us tonight what's

442  
00:20:11,549 --> 00:20:16,740

the what can we do on the local level

443

00:20:13,019 --> 00:20:19,619

well I think that's you know polio is a

444

00:20:16,740 --> 00:20:21,720

disease which is very much invisible

445

00:20:19,619 --> 00:20:23,399

these days we haven't seen a case yeah

446

00:20:21,720 --> 00:20:25,019

in Australia when was the last case Oh

447

00:20:23,400 --> 00:20:28,590

in the back in the back in the night is

448

00:20:25,019 --> 00:20:31,079

well and back into the 90s and so when

449

00:20:28,589 --> 00:20:32,849

the disease is invisible like like polio

450

00:20:31,079 --> 00:20:35,279

is now people really don't even know

451

00:20:32,849 --> 00:20:38,339

what it is it's difficult to maintain

452

00:20:35,279 --> 00:20:40,319

the momentum in terms of the funding but

453

00:20:38,339 --> 00:20:42,449

there's people like me who had friends

454

00:20:40,319 --> 00:20:45,480

who were paralyzed by this disease who

455

00:20:42,450 --> 00:20:45,910

remember just how hideous this disease

456

00:20:45,480 --> 00:20:49,390

is

457  
00:20:45,910 --> 00:20:53,110  
how cruel it is to the people who you

458  
00:20:49,390 --> 00:20:55,240  
know paralyzed either in their limbs or

459  
00:20:53,109 --> 00:20:58,629  
in their lungs or they lose the ability

460  
00:20:55,240 --> 00:21:01,750  
even to swallow it's a it's a cruel

461  
00:20:58,630 --> 00:21:03,820  
disease and it's the bad news is that

462  
00:21:01,750 --> 00:21:07,240  
the World Health Organization has said

463  
00:21:03,819 --> 00:21:10,119  
categorically that if we drop the ball

464  
00:21:07,240 --> 00:21:11,920  
now with vaccination we will go back to

465  
00:21:10,119 --> 00:21:14,289  
the bad old days with hundreds of

466  
00:21:11,920 --> 00:21:18,430  
thousands of kids once again getting

467  
00:21:14,289 --> 00:21:21,460  
polio and frankly it's just too awful a

468  
00:21:18,430 --> 00:21:23,200  
thought to contemplate and if so forget

469  
00:21:21,460 --> 00:21:26,049  
to get the chance basically donate

470  
00:21:23,200 --> 00:21:28,569  
donate yes and talk about how important

471  
00:21:26,049 --> 00:21:30,339  
it is now can you see yourself getting

472  
00:21:28,569 --> 00:21:31,929  
out there and running a chocolate wheel

473  
00:21:30,339 --> 00:21:33,549  
on the back of a truck in Pakistan at

474  
00:21:31,930 --> 00:21:35,380  
some stage it happens all the time

475  
00:21:33,549 --> 00:21:37,240  
around newcastle where I ever all you

476  
00:21:35,380 --> 00:21:40,000  
guys should do that I would love to get

477  
00:21:37,240 --> 00:21:41,940  
to Pakistan or Nigeria or somewhere like

478  
00:21:40,000 --> 00:21:44,500  
that and play my part on the ground

479  
00:21:41,940 --> 00:21:46,299  
absolutely if you haven't seen a

480  
00:21:44,500 --> 00:21:48,069  
Rotarian chocolate wheel on a Saturday

481  
00:21:46,299 --> 00:21:50,079  
afternoon a school fete it's a wonderful

482  
00:21:48,069 --> 00:21:53,049  
thing it is a thing of wonder isn't it

483  
00:21:50,079 --> 00:21:55,149  
it's Australian legendary site yes and a

484  
00:21:53,049 --> 00:21:56,470  
burn thank you for your time tonight and

485

00:21:55,150 --> 00:21:58,509  
good luck in your fight and like I say

486  
00:21:56,470 --> 00:22:02,049  
people donate thank you very much and by

487  
00:21:58,509 --> 00:22:04,089  
the way rotary org is the place to go ok

488  
00:22:02,049 --> 00:22:06,849  
judo Ben who we're here we're here but

489  
00:22:04,089 --> 00:22:08,470  
who could happen hey hey did you get my

490  
00:22:06,849 --> 00:22:11,109  
first of all before we tell i've been on

491  
00:22:08,470 --> 00:22:13,000  
on the case of the lucas machine which i

492  
00:22:11,109 --> 00:22:14,259  
think is a very exciting device and i

493  
00:22:13,000 --> 00:22:17,559  
said you an email about that what did

494  
00:22:14,259 --> 00:22:19,240  
you think about that did you oh i sent

495  
00:22:17,559 --> 00:22:22,990  
you an email about Lucas machine which

496  
00:22:19,240 --> 00:22:25,150  
is the mechanical chest compression

497  
00:22:22,990 --> 00:22:27,490  
device used by emergency services

498  
00:22:25,150 --> 00:22:30,160  
sometimes in the States but to England

499  
00:22:27,490 --> 00:22:31,930

yeah and and I've spoken to a fuel

500

00:22:30,160 --> 00:22:34,090

emergency departments in Australia and

501

00:22:31,930 --> 00:22:35,440

and they feel that they don't need it

502

00:22:34,089 --> 00:22:37,269

because they've got people that can do

503

00:22:35,440 --> 00:22:38,470

that and that's certainly true and the

504

00:22:37,269 --> 00:22:39,700

health budget is something you don't

505

00:22:38,470 --> 00:22:41,110

want to stretch too much what do you

506

00:22:39,700 --> 00:22:43,299

feel about a mechanical chest

507

00:22:41,109 --> 00:22:44,769

compression device well people are very

508

00:22:43,299 --> 00:22:47,619

good at giving chest compressions

509

00:22:44,769 --> 00:22:50,440

because they're extremely tiring and if

510

00:22:47,619 --> 00:22:51,639

you can't sing the Bee Gees song staying

511

00:22:50,440 --> 00:22:53,920

alive in your head

512

00:22:51,640 --> 00:22:56,380

and keep up the pace of 100 beats per

513

00:22:53,920 --> 00:22:58,269

minute well we all know that well we

514  
00:22:56,380 --> 00:23:00,550  
don't all know but chest compressions

515  
00:22:58,269 --> 00:23:03,400  
chest compressions are now known to be

516  
00:23:00,549 --> 00:23:04,419  
the most effective way of giving CPR so

517  
00:23:03,400 --> 00:23:06,160  
I figure out you have a chest

518  
00:23:04,420 --> 00:23:08,830  
compression device that could do that

519  
00:23:06,160 --> 00:23:11,890  
well that could be pretty good but my

520  
00:23:08,829 --> 00:23:14,379  
concern is how are you going to have it

521  
00:23:11,890 --> 00:23:15,820  
available quickly enough and put it in

522  
00:23:14,380 --> 00:23:18,340  
plate I mean I haven't seen the device

523  
00:23:15,819 --> 00:23:20,319  
so the time that you're taking to sort

524  
00:23:18,339 --> 00:23:22,000  
of connect this thing up and oh you're

525  
00:23:20,319 --> 00:23:24,609  
losing valuable compression time yeah

526  
00:23:22,000 --> 00:23:26,859  
well where I have seen it and I want to

527  
00:23:24,609 --> 00:23:29,469  
point listeners to this is there's a few

528  
00:23:26,859 --> 00:23:31,839  
different demonstrations online in the

529  
00:23:29,470 --> 00:23:33,309  
UK I think if there is a strain

530  
00:23:31,839 --> 00:23:35,980  
distributor on it and they show it but

531  
00:23:33,309 --> 00:23:37,839  
emergency services have it I imagine if

532  
00:23:35,980 --> 00:23:39,309  
it was a two-person paramedic team if

533  
00:23:37,839 --> 00:23:42,059  
one person was doing some compressions

534  
00:23:39,309 --> 00:23:45,190  
while the other person put it in place

535  
00:23:42,059 --> 00:23:47,679  
okay okay it looks like a semicircle

536  
00:23:45,190 --> 00:23:49,779  
that goes around the patient and

537  
00:23:47,680 --> 00:23:51,310  
underneath it sometimes you can strap

538  
00:23:49,779 --> 00:23:52,480  
the patient's arms to the side of it so

539  
00:23:51,309 --> 00:23:54,490  
they don't flail around get in the way

540  
00:23:52,480 --> 00:23:57,190  
and it's like a plunger that goes down

541  
00:23:54,490 --> 00:23:58,720  
on the chest yep yeah and I thought I

542

00:23:57,190 --> 00:24:01,390  
think it also has some incubation as

543  
00:23:58,720 --> 00:24:03,670  
well good actually worked very easy and

544  
00:24:01,390 --> 00:24:05,740  
is what got my attention was that I was

545  
00:24:03,670 --> 00:24:08,259  
listening to a near death experience

546  
00:24:05,740 --> 00:24:11,019  
chat actually and they were saying that

547  
00:24:08,259 --> 00:24:13,269  
and this is a case where a clear case

548  
00:24:11,019 --> 00:24:14,500  
for this use would be someone wasn't

549  
00:24:13,269 --> 00:24:15,940  
feeling well they went into the

550  
00:24:14,500 --> 00:24:18,099  
emergency room at a hospital they were

551  
00:24:15,940 --> 00:24:19,990  
40 year old male and they had a heart

552  
00:24:18,099 --> 00:24:22,740  
attack in the emergency room they put

553  
00:24:19,990 --> 00:24:25,630  
them on this device for three hours now

554  
00:24:22,740 --> 00:24:26,890  
immediately I'm thinking human couldn't

555  
00:24:25,630 --> 00:24:29,440  
do chest compressions for three hours

556  
00:24:26,890 --> 00:24:31,300

but also would you normally want to do

557

00:24:29,440 --> 00:24:32,559

that and yet and then suddenly their

558

00:24:31,299 --> 00:24:34,839

heart started and they walked out a

559

00:24:32,559 --> 00:24:36,579

hospital two days later so this actually

560

00:24:34,839 --> 00:24:38,559

happened this actually happened New York

561

00:24:36,579 --> 00:24:40,480

can take a forty-year-old cab drive in

562

00:24:38,559 --> 00:24:42,669

New York they were using this device in

563

00:24:40,480 --> 00:24:45,009

the emergency they had it there as a

564

00:24:42,670 --> 00:24:46,990

device this guy killed over heart

565

00:24:45,009 --> 00:24:48,640

stopped in in the emergency room and

566

00:24:46,990 --> 00:24:49,900

they put them on the device and the

567

00:24:48,640 --> 00:24:51,430

thing is they kept them on for three

568

00:24:49,900 --> 00:24:53,140

hours so if you have a device that can

569

00:24:51,430 --> 00:24:54,700

do this how do you know when to stop

570

00:24:53,140 --> 00:24:56,780

that's what the sig there's also an

571  
00:24:54,700 --> 00:24:58,759  
ethical implications

572  
00:24:56,779 --> 00:25:01,190  
you know where to stop because when

573  
00:24:58,759 --> 00:25:03,440  
you're doing CPR you're monitoring the

574  
00:25:01,190 --> 00:25:05,000  
patient's heart rate if you're doing it

575  
00:25:03,440 --> 00:25:06,710  
in a clinical environment which you

576  
00:25:05,000 --> 00:25:08,539  
would be an emergency you would actually

577  
00:25:06,710 --> 00:25:11,509  
have them strapped up to little

578  
00:25:08,539 --> 00:25:14,389  
electrodes that would be reading the me

579  
00:25:11,509 --> 00:25:17,299  
Hartman and and you actually do stop

580  
00:25:14,390 --> 00:25:19,250  
very very briefly to check I you get the

581  
00:25:17,299 --> 00:25:21,049  
machine doesn't giving them adrenaline

582  
00:25:19,250 --> 00:25:23,000  
and you know it's not like when you're

583  
00:25:21,049 --> 00:25:26,119  
at the street all you can really do is

584  
00:25:23,000 --> 00:25:28,130  
just you know Chris the hot so if

585  
00:25:26,119 --> 00:25:29,629  
they're using it in this context then

586  
00:25:28,130 --> 00:25:31,400  
there must have been some evidence

587  
00:25:29,630 --> 00:25:32,810  
behind it for them to have started using

588  
00:25:31,400 --> 00:25:34,820  
it they can't you can't just walk into a

589  
00:25:32,809 --> 00:25:36,679  
hospital and site using a device without

590  
00:25:34,819 --> 00:25:39,500  
there being any evidence yes but yeah

591  
00:25:36,680 --> 00:25:41,029  
yeah I'm just that's why I'm wondering

592  
00:25:39,500 --> 00:25:42,500  
more about the advisement but let me

593  
00:25:41,029 --> 00:25:44,119  
tell you so sorry that I haven't read

594  
00:25:42,500 --> 00:25:46,460  
your email problem because now I have to

595  
00:25:44,119 --> 00:25:49,399  
look into it because the head of the

596  
00:25:46,460 --> 00:25:51,650  
emergency department at Newcastle's said

597  
00:25:49,400 --> 00:25:52,880  
that you know but they said they have

598  
00:25:51,650 --> 00:25:54,830  
people to do that and I think that's a

599

00:25:52,880 --> 00:25:56,690  
perfectly adequate response if you've

600  
00:25:54,829 --> 00:25:59,750  
ever had to give complete look we all

601  
00:25:56,690 --> 00:26:02,720  
have to do CPR training every year as

602  
00:25:59,750 --> 00:26:04,900  
medical people and I can tell you now

603  
00:26:02,720 --> 00:26:07,009  
that just doing it for a minute is

604  
00:26:04,900 --> 00:26:08,930  
exhausting so there was a way to get

605  
00:26:07,009 --> 00:26:11,809  
something who could do it for us and do

606  
00:26:08,930 --> 00:26:13,250  
it effectively sign me up but I'm also

607  
00:26:11,809 --> 00:26:14,659  
thinking from the head of an emergency

608  
00:26:13,250 --> 00:26:15,950  
department you're also going to slice up

609  
00:26:14,660 --> 00:26:17,150  
your budget different ways so if you

610  
00:26:15,950 --> 00:26:18,500  
spend money on a machine like this

611  
00:26:17,150 --> 00:26:22,640  
that's something you can't spend on

612  
00:26:18,500 --> 00:26:25,369  
something else long term so if you're

613  
00:26:22,640 --> 00:26:27,170

able to if the device that this is

614

00:26:25,369 --> 00:26:29,569  
effective but it's not proven in this

615

00:26:27,170 --> 00:26:31,310  
country no but if it is demonstrated to

616

00:26:29,569 --> 00:26:34,099  
be effective it would have to first of

617

00:26:31,309 --> 00:26:35,539  
all go through it beauty Goods

618

00:26:34,099 --> 00:26:36,379  
Administration has to be registered with

619

00:26:35,539 --> 00:26:39,788  
the Therapeutic Goods Administration

620

00:26:36,380 --> 00:26:41,619  
that's what I was told absolutely and

621

00:26:39,788 --> 00:26:44,138  
is that if there is evidence to support

622

00:26:41,618 --> 00:26:46,418  
it and then they buy it you kind of have

623

00:26:44,138 --> 00:26:49,329  
to think of the long-term costs so the

624

00:26:46,419 --> 00:26:51,429  
cost on the health system of sort of you

625

00:26:49,329 --> 00:26:53,589  
know looking after an unwell patient

626

00:26:51,429 --> 00:26:55,690  
versus the cost of actually being able

627

00:26:53,589 --> 00:26:57,249  
to rescue a patient without significant

628  
00:26:55,690 --> 00:26:58,869  
damage to their how there's lots of kind

629  
00:26:57,249 --> 00:27:02,769  
of health economics things around that

630  
00:26:58,868 --> 00:27:03,908  
kind of stuff here yes you might be

631  
00:27:02,769 --> 00:27:06,608  
interested to know because this just

632  
00:27:03,909 --> 00:27:10,450  
reminds him many many years ago when I

633  
00:27:06,608 --> 00:27:12,128  
was working in London I got ya I was

634  
00:27:10,450 --> 00:27:13,659  
quite a young young little nurse at the

635  
00:27:12,128 --> 00:27:18,368  
time without a huge amount of experience

636  
00:27:13,659 --> 00:27:21,909  
and I got a job just you know for a few

637  
00:27:18,368 --> 00:27:24,098  
months as a sort of trial clinical trial

638  
00:27:21,909 --> 00:27:27,129  
sort of research nurse for something

639  
00:27:24,098 --> 00:27:30,339  
called external counterpulsation and

640  
00:27:27,128 --> 00:27:32,978  
what this is is they get these like

641  
00:27:30,339 --> 00:27:34,778  
these cuffs velcro cuffs and they strap

642  
00:27:32,979 --> 00:27:37,200  
it around your carbs and around your

643  
00:27:34,778 --> 00:27:39,700  
thighs and around your abdomen and it

644  
00:27:37,200 --> 00:27:41,889  
pulses and sort of squeezes and the

645  
00:27:39,700 --> 00:27:43,659  
whole body gets kind of squeezed and the

646  
00:27:41,888 --> 00:27:47,108  
idea behind it was that it was supposed

647  
00:27:43,659 --> 00:27:48,669  
to help people who had angina now I have

648  
00:27:47,108 --> 00:27:51,398  
a strong suspicion that it was

649  
00:27:48,669 --> 00:27:54,190  
completely hmm but I haven't gone back

650  
00:27:51,398 --> 00:27:55,628  
and checked up that being said if you

651  
00:27:54,190 --> 00:27:57,669  
ever want to go online and look up

652  
00:27:55,628 --> 00:27:59,259  
external counterpulsation and find some

653  
00:27:57,669 --> 00:28:01,749  
videos of people strapped in very

654  
00:27:59,259 --> 00:28:03,970  
strange medical devices look that one up

655  
00:28:01,749 --> 00:28:06,009  
it seems to me like that would be for

656

00:28:03,970 --> 00:28:07,808  
peripheral circulation no it's actually

657  
00:28:06,009 --> 00:28:09,848  
that the idea behind it was that it's

658  
00:28:07,808 --> 00:28:14,019  
somehow did something to the diastolic

659  
00:28:09,848 --> 00:28:15,908  
blood pressure and people who had what

660  
00:28:14,019 --> 00:28:18,669  
they called refractory angina which is

661  
00:28:15,909 --> 00:28:21,369  
angina or chest pain that is resistant

662  
00:28:18,669 --> 00:28:23,049  
to medical treatment otherwise that it

663  
00:28:21,368 --> 00:28:25,028  
was supposed to actually reduce their

664  
00:28:23,048 --> 00:28:26,888  
use of medication I think it had a

665  
00:28:25,028 --> 00:28:28,058  
strong placebo effect because the fact

666  
00:28:26,888 --> 00:28:29,678  
that I was sitting in the room with the

667  
00:28:28,058 --> 00:28:30,908  
patient for about three hours while they

668  
00:28:29,679 --> 00:28:32,950  
were strapped to this machine and it

669  
00:28:30,909 --> 00:28:34,679  
also knows the white coat effect like oh

670  
00:28:32,950 --> 00:28:37,090

well no the white coat effect actually

671

00:28:34,679 --> 00:28:38,259

generally has the opposite effect a part

672

00:28:37,089 --> 00:28:39,730

of as a

673

00:28:38,259 --> 00:28:41,589

sebo effects of people's blood pressure

674

00:28:39,730 --> 00:28:43,599

goes up when they see someone in a white

675

00:28:41,589 --> 00:28:46,000

coat okay by the way I have my blood

676

00:28:43,599 --> 00:28:48,819

pressure done this week 110 over 65 has

677

00:28:46,000 --> 00:28:51,160

a very good blood pressure not tulo is

678

00:28:48,819 --> 00:28:53,379

it I'm not too shabby I should no no

679

00:28:51,160 --> 00:28:55,450

that's pretty good good okay well I'll

680

00:28:53,380 --> 00:28:57,940

go and do something with it nice juicy

681

00:28:55,450 --> 00:28:59,410

steak now if you were to bait if you

682

00:28:57,940 --> 00:29:01,720

were to debate like Bill Nye did this

683

00:28:59,410 --> 00:29:07,600

week a young earth creationist do reckon

684

00:29:01,720 --> 00:29:10,750

you could take them on see they tend to

685  
00:29:07,599 --> 00:29:13,509  
dish Gallup and because it's not my area

686  
00:29:10,750 --> 00:29:15,690  
of expertise I reckon I'd end up finding

687  
00:29:13,509 --> 00:29:18,730  
myself on stage looking a little bit

688  
00:29:15,690 --> 00:29:20,890  
worse for wear okay look also in the

689  
00:29:18,730 --> 00:29:22,230  
news this week we had ken harvey resign

690  
00:29:20,890 --> 00:29:25,120  
because of how he felt about his

691  
00:29:22,230 --> 00:29:27,730  
university's conduct what would make you

692  
00:29:25,119 --> 00:29:29,439  
resign from your job any job like what

693  
00:29:27,730 --> 00:29:30,940  
you go that's it you can take this job

694  
00:29:29,440 --> 00:29:34,299  
and and shove shove it up your

695  
00:29:30,940 --> 00:29:37,809  
cerebellum because i work in clinical

696  
00:29:34,299 --> 00:29:40,269  
trials the major thing that I'm

697  
00:29:37,809 --> 00:29:43,480  
concerned about is ethics someone

698  
00:29:40,269 --> 00:29:45,759  
fiddling the books so so research

699  
00:29:43,480 --> 00:29:48,160  
misconduct so if I was ever in a

700  
00:29:45,759 --> 00:29:51,420  
situation in a job where I knew that

701  
00:29:48,160 --> 00:29:55,180  
researchers were behaving unethically

702  
00:29:51,420 --> 00:29:58,120  
messing with the data or for example if

703  
00:29:55,180 --> 00:30:01,029  
I worked in the Burzynski clinic in in

704  
00:29:58,119 --> 00:30:03,639  
Houston like I'm sure there must be some

705  
00:30:01,029 --> 00:30:05,170  
of my nursing colleagues who do I would

706  
00:30:03,640 --> 00:30:07,360  
resign from a job in the business ki

707  
00:30:05,170 --> 00:30:09,009  
clinic because that's a situation where

708  
00:30:07,359 --> 00:30:11,039  
I would not be at all comfortable with

709  
00:30:09,009 --> 00:30:13,480  
what they're doing to the patients

710  
00:30:11,039 --> 00:30:15,009  
because the big question here it's a

711  
00:30:13,480 --> 00:30:16,420  
tougher question to what we normally ask

712  
00:30:15,009 --> 00:30:18,220  
and how I you tonight anyway what do you

713

00:30:16,420 --> 00:30:21,430  
think of a great talk was not yes Bert

714  
00:30:18,220 --> 00:30:22,839  
oh yes news very interesting and do you

715  
00:30:21,430 --> 00:30:24,340  
think you could check a bill nye do you

716  
00:30:22,839 --> 00:30:26,649  
think it could take on a young earth

717  
00:30:24,339 --> 00:30:30,909  
creationist or some sort of whoop edler

718  
00:30:26,650 --> 00:30:33,450  
on stage no I don't think so i'm pretty

719  
00:30:30,910 --> 00:30:36,179  
sure that they have their mind made up

720  
00:30:33,450 --> 00:30:39,240  
wouldn't matter what I said it wouldn't

721  
00:30:36,179 --> 00:30:41,669  
change related I don't think anything I

722  
00:30:39,240 --> 00:30:43,319  
could say could ever convince them and

723  
00:30:41,669 --> 00:30:46,259  
how do you think bill went did you see

724  
00:30:43,319 --> 00:30:49,379  
any of it I didn't okay sorry but 10

725  
00:30:46,259 --> 00:30:51,058  
points are having to go and what about

726  
00:30:49,380 --> 00:30:53,159  
what Ken Harvey can have you resigned

727  
00:30:51,058 --> 00:30:54,869

this week was he went no no take this

728

00:30:53,159 --> 00:30:57,269

job and put it in your para bellum he

729

00:30:54,869 --> 00:30:58,619

said or your quadrangle because say he

730

00:30:57,269 --> 00:30:59,940

didn't want any more could you see a

731

00:30:58,619 --> 00:31:01,439

case at work where you might do that

732

00:30:59,940 --> 00:31:05,130

with something it's not all any endeavor

733

00:31:01,440 --> 00:31:07,769

I think it takes a lot of guts yes it's

734

00:31:05,130 --> 00:31:09,570

a huge thing I good on him I think that

735

00:31:07,769 --> 00:31:12,720

he's definitely taking the right ethical

736

00:31:09,569 --> 00:31:14,339

stance here and I'm quite shocked that

737

00:31:12,720 --> 00:31:19,528

the university didn't see that there is

738

00:31:14,339 --> 00:31:20,819

a conflict of interest I I think yes

739

00:31:19,528 --> 00:31:23,130

when it comes to these things I mean

740

00:31:20,819 --> 00:31:25,200

your behavior and your decisions you do

741

00:31:23,130 --> 00:31:27,240

what you would be comfortable seeing on

742  
00:31:25,200 --> 00:31:29,308  
front page news which is what happened

743  
00:31:27,240 --> 00:31:31,079  
with Kenya and absolutely and he is

744  
00:31:29,308 --> 00:31:34,460  
totally comfortable with his decision

745  
00:31:31,079 --> 00:31:37,949  
and and I wonder if the university is

746  
00:31:34,460 --> 00:31:39,690  
I'm gonna sit down oh look up the

747  
00:31:37,950 --> 00:31:41,630  
Richard Saunders he is ticket can't take

748  
00:31:39,690 --> 00:31:43,679  
it he has to sit down but till we have

749  
00:31:41,630 --> 00:31:44,820  
we've made a lot of people here on the

750  
00:31:43,679 --> 00:31:46,500  
skeptic zone and we have a lot of

751  
00:31:44,819 --> 00:31:48,178  
listeners from all around the world look

752  
00:31:46,500 --> 00:31:49,440  
into MIT right now and just buy him

753  
00:31:48,179 --> 00:31:52,080  
saying is known can you guess what

754  
00:31:49,440 --> 00:31:54,120  
country is from Hello rub where would

755  
00:31:52,079 --> 00:31:56,759  
you think he's from is he from North

756  
00:31:54,119 --> 00:31:58,558  
America is he from South America and

757  
00:31:56,759 --> 00:32:00,960  
require no we're okay we're flipping

758  
00:31:58,558 --> 00:32:02,129  
over the cars where you from Rob well

759  
00:32:00,960 --> 00:32:04,710  
nobody ever gets it right but it's

760  
00:32:02,130 --> 00:32:07,260  
Brazil but what do they say they say

761  
00:32:04,710 --> 00:32:10,139  
Paraguay they say chile they say

762  
00:32:07,259 --> 00:32:11,308  
basically everything but Brazil ash it's

763  
00:32:10,138 --> 00:32:12,479  
one of the biggest one since I think

764  
00:32:11,308 --> 00:32:15,000  
it's the biggest one so familiar isn't

765  
00:32:12,480 --> 00:32:17,940  
it is and somehow it's just sort of a

766  
00:32:15,000 --> 00:32:19,429  
little easily forgotten but like Brazil

767  
00:32:17,940 --> 00:32:21,538  
when I think of Brazil I think of

768  
00:32:19,429 --> 00:32:24,840  
Volkswagens the original air-cooled ones

769  
00:32:21,538 --> 00:32:26,609  
I think of a really really good meat

770

00:32:24,839 --> 00:32:28,379  
exports they have you have a really good

771  
00:32:26,609 --> 00:32:30,599  
meat a brazilian meat is fantastic and

772  
00:32:28,380 --> 00:32:32,490  
and waxing those are the three things a

773  
00:32:30,599 --> 00:32:35,278  
lot of people think of hopefully not in

774  
00:32:32,490 --> 00:32:36,899  
conjunction i guess and you are in one

775  
00:32:35,278 --> 00:32:38,970  
of those created cities like we have

776  
00:32:36,898 --> 00:32:40,589  
canberra you're in the capital which is

777  
00:32:38,970 --> 00:32:42,629  
where it's in the middle of nowhere

778  
00:32:40,589 --> 00:32:43,829  
isn't it in the middle of a desert it's

779  
00:32:42,628 --> 00:32:45,649  
called Brasilia and it was entirely

780  
00:32:43,829 --> 00:32:48,230  
planned in nineteen sixty

781  
00:32:45,650 --> 00:32:49,670  
it looks like it's from the future pass

782  
00:32:48,230 --> 00:32:51,259  
it looks like what somebody in the 50s

783  
00:32:49,670 --> 00:32:53,390  
would think of the future and it was

784  
00:32:51,259 --> 00:32:54,410

everyone must know the Brazilian flag it

785

00:32:53,390 --> 00:32:56,140

would have to be one of the coolest

786

00:32:54,410 --> 00:32:58,640

flags in the world but that really

787

00:32:56,140 --> 00:33:01,250

Dayglow map of the world the gate that

788

00:32:58,640 --> 00:33:02,690

is so cool that is a cool flag almost as

789

00:33:01,250 --> 00:33:04,039

cool as Libya's which is just plain

790

00:33:02,690 --> 00:33:05,870

green which i think is really bold

791

00:33:04,039 --> 00:33:07,609

really if you think about it it's just

792

00:33:05,869 --> 00:33:09,919

plain green it's just green I think it

793

00:33:07,609 --> 00:33:12,319

takes a lot of um cojones to discover

794

00:33:09,920 --> 00:33:13,850

the green flag yeah well I I believe

795

00:33:12,319 --> 00:33:15,609

that was the original plan for the Irish

796

00:33:13,849 --> 00:33:18,559

flag but they they never got it together

797

00:33:15,609 --> 00:33:22,099

no no I can't really comment on the

798

00:33:18,559 --> 00:33:24,829

Irish because what you can comment on on

799

00:33:22,099 --> 00:33:26,839

what finds you here suddenly you're in

800

00:33:24,829 --> 00:33:29,000

Brazil I suspect teens are men in black

801

00:33:26,839 --> 00:33:30,980

I think it is if you see some ancient

802

00:33:29,000 --> 00:33:32,750

aliens near any sort of any sort of

803

00:33:30,980 --> 00:33:34,730

ancient monument you come along and you

804

00:33:32,750 --> 00:33:37,970

tell them no no you were never there is

805

00:33:34,730 --> 00:33:39,799

that your job if it were my job okay I

806

00:33:37,970 --> 00:33:41,960

couldn't really say is my job but i'll

807

00:33:39,799 --> 00:33:44,029

tell you what manner a wink once if

808

00:33:41,960 --> 00:33:44,930

that's actually my job and the podcast

809

00:33:44,029 --> 00:33:46,490

listeners will just have to guess

810

00:33:44,930 --> 00:33:49,549

whether I waiting to one or twice or not

811

00:33:46,490 --> 00:33:51,230

at all okay say more well erich von

812

00:33:49,549 --> 00:33:53,240

daniken me off i tell you what it's

813  
00:33:51,230 --> 00:33:55,940  
quite a show here today and how did you

814  
00:33:53,240 --> 00:33:58,819  
find an australian podcast and start

815  
00:33:55,940 --> 00:34:00,650  
listening to it and enjoy it well i

816  
00:33:58,819 --> 00:34:02,599  
think it's very easy to enjoy for one I

817  
00:34:00,650 --> 00:34:04,820  
found it through the skeptics guide I

818  
00:34:02,599 --> 00:34:07,730  
listened to them first and foremost I

819  
00:34:04,819 --> 00:34:09,679  
think like most skeptics overseas and

820  
00:34:07,730 --> 00:34:12,710  
they're a terrible gateway drug really

821  
00:34:09,679 --> 00:34:13,849  
so then I got to the skeptic zone and

822  
00:34:12,710 --> 00:34:15,320  
I've been listening for many years

823  
00:34:13,849 --> 00:34:17,329  
without ever thinking that I would see

824  
00:34:15,320 --> 00:34:21,230  
Australia or any of you and now here I

825  
00:34:17,329 --> 00:34:22,668  
am we have a more of a library format to

826  
00:34:21,230 --> 00:34:23,960  
the way data there we have reports from

827

00:34:22,668 --> 00:34:25,639  
all over the place we have different

828  
00:34:23,960 --> 00:34:27,280  
reporters and everything it it's a bit

829  
00:34:25,639 --> 00:34:29,658  
more disjointed than the skeptics guide

830  
00:34:27,280 --> 00:34:31,700  
it is it is but I think that's part of

831  
00:34:29,659 --> 00:34:34,519  
the charm as well and it's it's got a

832  
00:34:31,699 --> 00:34:38,619  
more of a recurring aspect to it a lot

833  
00:34:34,519 --> 00:34:44,389  
of recurring characters in the skeptics

834  
00:34:38,619 --> 00:34:45,710  
so you see so it had a favorite report

835  
00:34:44,389 --> 00:34:48,079  
is a report that's really stuck in your

836  
00:34:45,710 --> 00:34:49,849  
head from anyone from dr. rachy or Joe

837  
00:34:48,079 --> 00:34:51,918  
or something I've done well honestly I

838  
00:34:49,849 --> 00:34:54,349  
just love all of the yearly mind-body

839  
00:34:51,918 --> 00:34:56,599  
wallets or or or violence or ever and

840  
00:34:54,349 --> 00:34:58,880  
honestly I would like to go to one I

841  
00:34:56,599 --> 00:35:01,489

would like to come to Australian see

842

00:34:58,880 --> 00:35:02,599

this event because it seems I I agree

843

00:35:01,489 --> 00:35:03,529

with what Richard says it does seem like

844

00:35:02,599 --> 00:35:06,199

a lot of fun and does seem like a

845

00:35:03,530 --> 00:35:08,420

worthwhile experience to see what's

846

00:35:06,199 --> 00:35:10,489

going on look yes it was a lot of fun at

847

00:35:08,420 --> 00:35:12,200

the last one I went to we did the final

848

00:35:10,489 --> 00:35:13,699

episode of a dirty disbelievers episode

849

00:35:12,199 --> 00:35:15,259

9 where we all went along there and

850

00:35:13,699 --> 00:35:17,839

Richard got called a rude word that

851

00:35:15,260 --> 00:35:20,240

started with c and it wasn't clever yeah

852

00:35:17,840 --> 00:35:21,500

and yeah and dr. H almost got into a

853

00:35:20,239 --> 00:35:24,769

fistfight with people it was a pretty

854

00:35:21,500 --> 00:35:27,980

wild well time well time was the word

855

00:35:24,769 --> 00:35:29,630

Christian that fault I've no no I'm

856  
00:35:27,980 --> 00:35:33,019  
tonight so no that wasn't the other I

857  
00:35:29,630 --> 00:35:34,670  
can't say the word because Richards

858  
00:35:33,019 --> 00:35:35,929  
recovering from his chest infection it

859  
00:35:34,670 --> 00:35:39,230  
you probably hear from the intro on the

860  
00:35:35,929 --> 00:35:41,509  
outer of this and you happen to land in

861  
00:35:39,230 --> 00:35:43,730  
Sydney when we're doing a skeptics in

862  
00:35:41,510 --> 00:35:44,990  
the pub now a bit more about Brazil you

863  
00:35:43,730 --> 00:35:47,059  
telling me earlier that it's probably

864  
00:35:44,989 --> 00:35:48,439  
one of the most unscripted cool places

865  
00:35:47,059 --> 00:35:50,750  
on earth is that because of the

866  
00:35:48,440 --> 00:35:52,639  
Catholicism or what would you put it

867  
00:35:50,750 --> 00:35:53,989  
down to well I wouldn't say but one of

868  
00:35:52,639 --> 00:35:56,089  
the most in skeptical places because you

869  
00:35:53,989 --> 00:35:59,149  
know I haven't really been in that many

870  
00:35:56,090 --> 00:36:01,640  
places but it does have a history of

871  
00:35:59,150 --> 00:36:03,650  
sort of a traditional on skeptical

872  
00:36:01,639 --> 00:36:07,099  
outlook which i think is changing slowly

873  
00:36:03,650 --> 00:36:09,680  
but it is part of our culture I wouldn't

874  
00:36:07,099 --> 00:36:12,170  
blame it only on Catholicism or only on

875  
00:36:09,679 --> 00:36:13,969  
religion at all i think it has probably

876  
00:36:12,170 --> 00:36:16,519  
very complex classes that i won't

877  
00:36:13,969 --> 00:36:19,809  
venture into but it's everything it goes

878  
00:36:16,519 --> 00:36:22,369  
from spirituality to a general

879  
00:36:19,809 --> 00:36:25,849  
willingness to believe things really to

880  
00:36:22,369 --> 00:36:27,139  
believe a theories and not ideas and

881  
00:36:25,849 --> 00:36:28,880  
what's the whew that gets your goat

882  
00:36:27,139 --> 00:36:32,599  
what's the one that you go not this

883  
00:36:28,880 --> 00:36:35,210  
again probably astrology just because of

884

00:36:32,599 --> 00:36:38,059  
how widespread it still is despite

885  
00:36:35,210 --> 00:36:41,480  
everything and despite being so obvious

886  
00:36:38,059 --> 00:36:44,299  
and so clearly debunk able to just see

887  
00:36:41,480 --> 00:36:46,670  
smart people still talk about it and

888  
00:36:44,300 --> 00:36:47,420  
still i give that usual defense of well

889  
00:36:46,670 --> 00:36:49,220  
of course you can't believe the

890  
00:36:47,420 --> 00:36:50,809  
newspaper astrology but but the good

891  
00:36:49,219 --> 00:36:52,819  
star chart the really really well

892  
00:36:50,809 --> 00:36:54,650  
researched really solid started that one

893  
00:36:52,820 --> 00:36:56,480  
if that one's real that one nothing's

894  
00:36:54,650 --> 00:36:58,700  
important and also I'd like you to give

895  
00:36:56,480 --> 00:37:00,050  
a call out to our international friends

896  
00:36:58,699 --> 00:37:01,789  
that listen to the skeptic zone that are

897  
00:37:00,050 --> 00:37:03,050  
out there and have never dropped us a

898  
00:37:01,789 --> 00:37:04,789

line like I don't think we've ever had

899

00:37:03,050 --> 00:37:07,340

any correspondence from Brazil have

900

00:37:04,789 --> 00:37:09,110

little richard ever part over the five

901

00:37:07,340 --> 00:37:11,300

or six years we could have but nothing

902

00:37:09,110 --> 00:37:12,590

really springs to mind but could we do

903

00:37:11,300 --> 00:37:14,450

have listeners there because i can see

904

00:37:12,590 --> 00:37:16,610

the stats of course yeah yeah yes so

905

00:37:14,449 --> 00:37:17,989

yeah so just let them know to drop us a

906

00:37:16,610 --> 00:37:21,590

line and that we don't bite could you

907

00:37:17,989 --> 00:37:24,649

tell them that absolutely uh they don't

908

00:37:21,590 --> 00:37:26,900

bite very hard Maynard maybe a little

909

00:37:24,650 --> 00:37:29,059

harder than most I'll become it's worth

910

00:37:26,900 --> 00:37:31,400

traveling across the world to see this

911

00:37:29,059 --> 00:37:33,710

the shirt i'm wearing yeah yeah maynard

912

00:37:31,400 --> 00:37:34,970

shirt or legendary I really almost grew

913  
00:37:33,710 --> 00:37:36,829  
up listening the legends of maynards

914  
00:37:34,969 --> 00:37:41,480  
shirts not and now I'm seeing them in

915  
00:37:36,829 --> 00:37:43,219  
person that's Africa yeah I really can't

916  
00:37:41,480 --> 00:37:44,030  
describe it in an audio you have to see

917  
00:37:43,219 --> 00:37:45,859  
it for yourself you had to come to

918  
00:37:44,030 --> 00:37:48,230  
Australia and then see Maynard shirts I

919  
00:37:45,860 --> 00:37:50,539  
shout out to allow Brazilian listeners

920  
00:37:48,230 --> 00:37:51,980  
in Portuguese at you claro brasil

921  
00:37:50,539 --> 00:37:54,050  
illustrative of you know podcast the

922  
00:37:51,980 --> 00:37:57,019  
skeptic zone in Karachi to deserve it

923  
00:37:54,050 --> 00:37:59,690  
like a queen superstar he be so mentally

924  
00:37:57,019 --> 00:38:01,219  
some cleavage Utah Nevada touchdown pass

925  
00:37:59,690 --> 00:38:03,800  
a French knows its eternal Brazil to me

926  
00:38:01,219 --> 00:38:05,509  
I just felt like I was in Brasilia in

927  
00:38:03,800 --> 00:38:07,550  
the back of a volkswagen taxi then just

928  
00:38:05,510 --> 00:38:09,140  
for a moment being charged far too much

929  
00:38:07,550 --> 00:38:11,600  
and being driven the wrong way and

930  
00:38:09,139 --> 00:38:13,460  
talking about skepticism so is there is

931  
00:38:11,599 --> 00:38:15,009  
many skeptics movements here are you a

932  
00:38:13,460 --> 00:38:17,150  
member of a skeptics movement there I

933  
00:38:15,010 --> 00:38:18,140  
don't know of any I don't want to say

934  
00:38:17,150 --> 00:38:19,519  
that there aren't any because I'm afraid

935  
00:38:18,139 --> 00:38:21,079  
that somebody will listen to this and

936  
00:38:19,519 --> 00:38:23,329  
rosanna say oh that's outrageous he

937  
00:38:21,079 --> 00:38:25,789  
forgot our phone foundational movement

938  
00:38:23,329 --> 00:38:27,230  
here in Brazil but I don't know if any i

939  
00:38:25,789 --> 00:38:30,019  
hope they're out there and i hope i

940  
00:38:27,230 --> 00:38:31,730  
managed to find them at some point but

941

00:38:30,019 --> 00:38:33,230  
if there aren't any there certainly

942  
00:38:31,730 --> 00:38:34,909  
should be so hopefully this will be a

943  
00:38:33,230 --> 00:38:36,500  
start look it's been a great supplies

944  
00:38:34,909 --> 00:38:38,179  
and the pleasure meeting someone from

945  
00:38:36,500 --> 00:38:40,849  
brazil coming all this way and ending up

946  
00:38:38,179 --> 00:38:43,369  
in a really chevy dark pub in sydney yet

947  
00:38:40,849 --> 00:38:44,389  
look don't think any worse of us you

948  
00:38:43,369 --> 00:38:45,559  
know i'll definitely try and be back

949  
00:38:44,389 --> 00:38:47,739  
whenever i'm ready to cross the world

950  
00:38:45,559 --> 00:38:49,940  
again so thank you very much everyone

951  
00:38:47,739 --> 00:38:52,339  
and who we got here we've got a visitor

952  
00:38:49,940 --> 00:38:53,780  
from far away Joe alabaster and where

953  
00:38:52,340 --> 00:38:55,700  
have you come from I have come from the

954  
00:38:53,780 --> 00:38:57,170  
Blue Mountains wow so was that like the

955  
00:38:55,699 --> 00:38:59,899

Concord kind of thing what was it like

956

00:38:57,170 --> 00:39:01,639

that was two hours on the train that's

957

00:38:59,900 --> 00:39:02,960

just like the Concord I mean really the

958

00:39:01,639 --> 00:39:03,469

new south wales transport system is

959

00:39:02,960 --> 00:39:05,800

perhaps the

960

00:39:03,469 --> 00:39:08,449

in the world exactly it was fantastic

961

00:39:05,800 --> 00:39:09,950

luxury now because it's a big skeptical

962

00:39:08,449 --> 00:39:11,689

week as we've heard we've got a lot of

963

00:39:09,949 --> 00:39:13,189

big action happening in various parts of

964

00:39:11,690 --> 00:39:16,329

the world how do you think bill nye went

965

00:39:13,190 --> 00:39:18,800

in his debate witness to ham oh I

966

00:39:16,329 --> 00:39:23,750

frankly enjoyed what he had to say I

967

00:39:18,800 --> 00:39:26,060

question whether I'm not sure whether he

968

00:39:23,750 --> 00:39:28,039

was actually likely to convert anybody

969

00:39:26,059 --> 00:39:30,679

to his side I shouldn't say convert

970  
00:39:28,039 --> 00:39:34,369  
because that's kind of the job of ken

971  
00:39:30,679 --> 00:39:35,779  
ham oh yeah I really enjoyed sort of the

972  
00:39:34,369 --> 00:39:38,990  
big long science smackdown that was

973  
00:39:35,780 --> 00:39:40,790  
fantastic for me as an audience but I'm

974  
00:39:38,989 --> 00:39:42,679  
not sure that it would have reached Ken

975  
00:39:40,789 --> 00:39:44,779  
hams fans do you thought it would be I

976  
00:39:42,679 --> 00:39:45,769  
as I mentioned before thought it might

977  
00:39:44,780 --> 00:39:47,359  
have been better if someone from perhaps

978  
00:39:45,769 --> 00:39:49,130  
the Atheist Experience debated him

979  
00:39:47,358 --> 00:39:50,659  
someone with a bit more of a theological

980  
00:39:49,130 --> 00:39:53,240  
grounding and they could have countered

981  
00:39:50,659 --> 00:39:55,009  
the theological arguments I would have

982  
00:39:53,239 --> 00:39:57,618  
really enjoyed it if Aaron wrote on it

983  
00:39:55,010 --> 00:39:59,690  
actually yeah and how would you give

984  
00:39:57,619 --> 00:40:04,250  
bill out of 10 in debating in such a

985  
00:39:59,690 --> 00:40:06,500  
difficult condition Oh in debating I'm

986  
00:40:04,250 --> 00:40:08,170  
gonna give him about a night yeah it's I

987  
00:40:06,500 --> 00:40:10,280  
mean it's a very difficult task kind of

988  
00:40:08,170 --> 00:40:12,108  
some people are questioning whether he

989  
00:40:10,280 --> 00:40:14,390  
should have taken it on or not I'm not

990  
00:40:12,108 --> 00:40:15,920  
entirely sure it was entertaining as

991  
00:40:14,389 --> 00:40:19,098  
entertaining as these things can be I

992  
00:40:15,920 --> 00:40:21,170  
think because ken harvey this this week

993  
00:40:19,099 --> 00:40:23,059  
of course resigned big skeptical news

994  
00:40:21,170 --> 00:40:25,250  
there do you think you could ever see

995  
00:40:23,059 --> 00:40:26,989  
yourself it in a job going and that's it

996  
00:40:25,250 --> 00:40:28,460  
I'm going out there armed and I'm going

997  
00:40:26,989 --> 00:40:31,608  
to take my t-shirt and bleach it and

998

00:40:28,460 --> 00:40:33,289  
leave I sincerely hope with just about

999  
00:40:31,608 --> 00:40:35,269  
every fibre of my thing that I would do

1000  
00:40:33,289 --> 00:40:37,250  
the same thing I really very much

1001  
00:40:35,269 --> 00:40:41,420  
respect what he's done and congratulate

1002  
00:40:37,250 --> 00:40:42,889  
him for it hmm but look the two hot

1003  
00:40:41,420 --> 00:40:44,119  
topic is the week is what do you think

1004  
00:40:42,889 --> 00:40:46,608  
of the bill nye debate how do you think

1005  
00:40:44,119 --> 00:40:49,010  
he went with ken ham well I might

1006  
00:40:46,608 --> 00:40:50,869  
deliberately didn't watch it what to go

1007  
00:40:49,010 --> 00:40:53,109  
then you have in the blue man she got TV

1008  
00:40:50,869 --> 00:40:55,280  
I think I knew he was going to come out

1009  
00:40:53,108 --> 00:40:58,159  
I've been involved I was involved in

1010  
00:40:55,280 --> 00:41:01,220  
with similar debate in 2005 and what I

1011  
00:40:58,159 --> 00:41:03,170  
found was that the other side one more

1012  
00:41:01,219 --> 00:41:04,639

yeah as I actually said something I was

1013

00:41:03,170 --> 00:41:07,190

yesterday so they actually put wheels

1014

00:41:04,639 --> 00:41:08,239

and a trailer hitch on the gold posts so

1015

00:41:07,190 --> 00:41:10,550

they can move them more easily to the

1016

00:41:08,239 --> 00:41:12,348

next suburb when you have these debates

1017

00:41:10,550 --> 00:41:13,450

with these people they make the rules up

1018

00:41:12,349 --> 00:41:16,269

as they go along

1019

00:41:13,449 --> 00:41:18,399

and they're not honest you've heard

1020

00:41:16,269 --> 00:41:20,650

arguments before but that doesn't matter

1021

00:41:18,400 --> 00:41:21,700

they'll just keep saying them so I don't

1022

00:41:20,650 --> 00:41:24,280

think anything's achieved by the

1023

00:41:21,699 --> 00:41:26,289

students done I think that I think

1024

00:41:24,280 --> 00:41:27,609

Richard Dawkins was right in don't give

1025

00:41:26,289 --> 00:41:29,588

them a platform don't give them any

1026

00:41:27,608 --> 00:41:32,559

products or probability by arguing I

1027  
00:41:29,588 --> 00:41:35,139  
think so yes I said I made a mistake and

1028  
00:41:32,559 --> 00:41:36,969  
I was on behalf of the Australian

1029  
00:41:35,139 --> 00:41:39,489  
skeptics conducted it was a debate on

1030  
00:41:36,969 --> 00:41:42,699  
the sydney morning herald website i was

1031  
00:41:39,489 --> 00:41:44,949  
doing it by myself with people like Paul

1032  
00:41:42,699 --> 00:41:47,169  
Wilson that on the on the other end via

1033  
00:41:44,949 --> 00:41:48,669  
email they had a whole staff of people

1034  
00:41:47,170 --> 00:41:50,980  
and what was in Answers in Genesis or

1035  
00:41:48,670 --> 00:41:53,349  
working on it okay I'm writing their

1036  
00:41:50,980 --> 00:41:54,699  
articles and they were just dishonest

1037  
00:41:53,349 --> 00:41:55,750  
they just kept changing what they were

1038  
00:41:54,699 --> 00:41:59,649  
saying they wouldn't address the

1039  
00:41:55,750 --> 00:42:01,389  
question at all and so I don't know a

1040  
00:41:59,650 --> 00:42:03,550  
good good that bill my I did it but I

1041  
00:42:01,389 --> 00:42:05,409  
really think that probably he wouldn't

1042  
00:42:03,550 --> 00:42:07,180  
converted anybody from the other side as

1043  
00:42:05,409 --> 00:42:09,639  
somebody put out today they asked 22

1044  
00:42:07,179 --> 00:42:10,809  
people for their comments I know the

1045  
00:42:09,639 --> 00:42:12,489  
same things have been hearing for years

1046  
00:42:10,809 --> 00:42:13,900  
you know why are there still monkeys if

1047  
00:42:12,489 --> 00:42:16,059  
we were evolved from monkeys and sort of

1048  
00:42:13,900 --> 00:42:18,280  
monster it's the same reason Joe ball

1049  
00:42:16,059 --> 00:42:21,789  
yeah why do I have a grandfather when I

1050  
00:42:18,280 --> 00:42:24,160  
if I know if I had it why got cousins if

1051  
00:42:21,789 --> 00:42:25,690  
I evolved yeah it was the answer that

1052  
00:42:24,159 --> 00:42:27,879  
quick so we've been hearing that stuff

1053  
00:42:25,690 --> 00:42:29,470  
to you sir so I think that it was good

1054  
00:42:27,880 --> 00:42:31,240  
at night to do it but I don't think it's

1055

00:42:29,469 --> 00:42:32,858  
achieved anything that other than

1056  
00:42:31,239 --> 00:42:34,299  
probably to bring money they can't ken

1057  
00:42:32,858 --> 00:42:36,039  
ham because he put the show on at his

1058  
00:42:34,300 --> 00:42:38,470  
place I'm about the other Ken this

1059  
00:42:36,039 --> 00:42:39,909  
weekend Harvick he's resigned well how

1060  
00:42:38,469 --> 00:42:41,618  
do you feel about that would you do that

1061  
00:42:39,909 --> 00:42:42,940  
would you go I that's it on I'm going to

1062  
00:42:41,619 --> 00:42:45,180  
take my Hawaiian shirt and put in the

1063  
00:42:42,940 --> 00:42:49,539  
dryer I think he did the right thing

1064  
00:42:45,179 --> 00:42:51,519  
there are several issues here I think

1065  
00:42:49,539 --> 00:42:53,289  
this particular one if Swiss had simply

1066  
00:42:51,519 --> 00:42:54,670  
said we're going to get 15 million

1067  
00:42:53,289 --> 00:42:57,130  
dollars to La Trobe University for

1068  
00:42:54,670 --> 00:42:58,510  
research there wouldn't be an issue what

1069  
00:42:57,130 --> 00:43:01,930

they said was we're going to give you

1070

00:42:58,510 --> 00:43:04,180

money for research into our products

1071

00:43:01,929 --> 00:43:05,440

and so therefore it's tied money and

1072

00:43:04,179 --> 00:43:07,149

they're going to want results and the

1073

00:43:05,440 --> 00:43:10,599

results they want our people saying the

1074

00:43:07,150 --> 00:43:11,920

stuff works but look I haven't heard the

1075

00:43:10,599 --> 00:43:13,300

exact argument from the University but

1076

00:43:11,920 --> 00:43:14,980

they would say we're going to do the

1077

00:43:13,300 --> 00:43:16,450

tests and they're going to be they're

1078

00:43:14,980 --> 00:43:18,550

going to be fair and honest and they're

1079

00:43:16,449 --> 00:43:20,919

going to fall where they would fall yeah

1080

00:43:18,550 --> 00:43:22,720

they'll say that I'm not and they may

1081

00:43:20,920 --> 00:43:24,670

believe that they made him do that but

1082

00:43:22,719 --> 00:43:27,338

the fact is it is it's a perception

1083

00:43:24,670 --> 00:43:28,690

thing it wasn't just an untied grant to

1084  
00:43:27,338 --> 00:43:30,549  
a university research it was

1085  
00:43:28,690 --> 00:43:32,858  
specifically tied to specific products

1086  
00:43:30,550 --> 00:43:35,019  
and no matter how you play it that's

1087  
00:43:32,858 --> 00:43:36,549  
going to look bad mouth tight but don't

1088  
00:43:35,019 --> 00:43:38,559  
pharmaceutical companies do this all the

1089  
00:43:36,550 --> 00:43:40,630  
time they they pay to have research into

1090  
00:43:38,559 --> 00:43:41,619  
their into their drugs yeah they can

1091  
00:43:40,630 --> 00:43:43,119  
fund it but I think it's got to be more

1092  
00:43:41,619 --> 00:43:44,530  
open than that they can say here's one

1093  
00:43:43,119 --> 00:43:47,230  
particular product we want you to do

1094  
00:43:44,530 --> 00:43:49,839  
testing will do a contract research but

1095  
00:43:47,230 --> 00:43:51,490  
to say open-ended 15 million dollars out

1096  
00:43:49,838 --> 00:43:53,650  
of so many years and you're only going

1097  
00:43:51,489 --> 00:43:54,969  
to research our products is different to

1098  
00:43:53,650 --> 00:43:56,940  
come to a pharmaceutical company gunnery

1099  
00:43:54,969 --> 00:43:59,858  
university and saying but we've got a

1100  
00:43:56,940 --> 00:44:01,480  
possible new diabetic drag here we'd

1101  
00:43:59,858 --> 00:44:03,039  
like you to run clinical trials for us I

1102  
00:44:01,480 --> 00:44:06,490  
think that's a different issue

1103  
00:44:03,039 --> 00:44:07,420  
altogether yeah but I respect my

1104  
00:44:06,489 --> 00:44:10,239  
principles I think he did the right

1105  
00:44:07,420 --> 00:44:11,670  
thing and by doing it he's given an

1106  
00:44:10,239 --> 00:44:14,429  
enormous publicity to it

1107  
00:44:11,670 --> 00:44:16,710  
yes I was it was right up there on the

1108  
00:44:14,429 --> 00:44:19,108  
ABC News I would if he'd just simply

1109  
00:44:16,710 --> 00:44:20,608  
quietly said I'm not going to do it but

1110  
00:44:19,108 --> 00:44:22,230  
what he did was he went public with it

1111  
00:44:20,608 --> 00:44:25,409  
because he already has a public image

1112

00:44:22,230 --> 00:44:27,630  
anyway and public persona the story was

1113  
00:44:25,409 --> 00:44:30,719  
up had legs it went on the ABC admit the

1114  
00:44:27,630 --> 00:44:33,960  
newspapers so now that the whole issue

1115  
00:44:30,719 --> 00:44:36,088  
of funded specific targeted research is

1116  
00:44:33,960 --> 00:44:37,740  
now coming to the in a public view for

1117  
00:44:36,088 --> 00:44:39,210  
examination I think can do the right

1118  
00:44:37,739 --> 00:44:42,239  
thing and I think also the fact he's

1119  
00:44:39,210 --> 00:44:45,119  
gone public with it has raised this

1120  
00:44:42,239 --> 00:44:47,879  
issue of know how is funding done by

1121  
00:44:45,119 --> 00:44:49,559  
those companies know if the universities

1122  
00:44:47,880 --> 00:44:50,700  
are doing research is that research

1123  
00:44:49,559 --> 00:44:53,040  
tainted by the money that they're

1124  
00:44:50,699 --> 00:44:55,500  
getting in this case I think it would

1125  
00:44:53,039 --> 00:44:56,909  
have been even unconsciously but if it'd

1126  
00:44:55,500 --> 00:44:59,099

been an untied grand if they just said

1127

00:44:56,909 --> 00:45:00,598

here's 15 million dollars to the medical

1128

00:44:59,099 --> 00:45:01,920

school but I think we'll have any

1129

00:45:00,599 --> 00:45:04,250

objection at all I don't think Kim would

1130

00:45:01,920 --> 00:45:04,250

have a pig

1131

00:45:26,519 --> 00:45:32,889

they give a listening to the skeptic

1132

00:45:29,139 --> 00:45:36,699

zone showed 277 and listeners around the

1133

00:45:32,889 --> 00:45:38,019

world might once again once again spare

1134

00:45:36,699 --> 00:45:41,169

a thought for some of those people in

1135

00:45:38,019 --> 00:45:42,489

Australia's I record this the TV news is

1136

00:45:41,170 --> 00:45:44,619

on in the background and I'm seeing

1137

00:45:42,489 --> 00:45:48,129

people's houses burned down more bad

1138

00:45:44,619 --> 00:45:50,590

bush fires in Victoria in the state of

1139

00:45:48,130 --> 00:45:53,349

victoria at the moment and also warnings

1140

00:45:50,590 --> 00:45:55,960

for emergencies in the state of South

1141  
00:45:53,349 --> 00:45:57,699  
Australia thoughts going out to those

1142  
00:45:55,960 --> 00:45:59,920  
people those firefighters doing the

1143  
00:45:57,699 --> 00:46:01,960  
courageous job at the moment fighting

1144  
00:45:59,920 --> 00:46:04,119  
those terrible fires and I can tell you

1145  
00:46:01,960 --> 00:46:06,820  
it's quite a warm day here in Sydney

1146  
00:46:04,119 --> 00:46:09,100  
Australia as well and it's so warm in

1147  
00:46:06,820 --> 00:46:11,980  
fact I think Fred the caddis found

1148  
00:46:09,099 --> 00:46:14,679  
himself a nice quiet cool spot somewhere

1149  
00:46:11,980 --> 00:46:17,380  
and as fast asleep sounds like a good

1150  
00:46:14,679 --> 00:46:18,789  
idea folks until next week opening I'll

1151  
00:46:17,380 --> 00:46:20,470  
sound a little better this is Richard

1152  
00:46:18,789 --> 00:46:26,829  
Saunders signing off from Sydney

1153  
00:46:20,469 --> 00:46:31,539  
Australia you've been listening to the

1154  
00:46:26,829 --> 00:46:35,230  
skeptic zone visit our website at www

1155  
00:46:31,539 --> 00:46:39,090  
skeptic zone TV for comments contacts

1156  
00:46:35,230 --> 00:46:39,090  
and extra video reports

1157  
00:46:41,960 --> 00:46:43,990  
Oh