The Skeptic Zone

Show 125

cfi

Jamie Williams

1
00:00:23,529 --> 00:00:09,110
welcome to the skeptic zone the podcast

2
00:00:31,370 --> 00:00:25,970
yes it's the skeptics are an episode

3
00:00:33,470 --> 00:00:31,380
number 125 for the 11th of March 2011

4
00:00:36,049 --> 00:00:33,480
Richard Saunders here with you from

5
00:00:39,260 --> 00:00:36,059
Sydney Australia on this week's podcast

6
00:00:41,810 --> 00:00:39,270
we have that well to kick off let's kick

7
00:00:44,240 --> 00:00:41,820
off with the BBC a little report from

8
00:00:47,060 --> 00:00:44,250
the BBC as they interviewed Dave Hughes

9
00:00:49,130 --> 00:00:47,070
the president of the Hampshire skeptics

10
00:00:50,720 --> 00:00:49,140
society now Dave wrote to me saying that

11
00:00:53,150 --> 00:00:50,730
he'd been on the radio I had a little

12
00:00:55,610 --> 00:00:53,160
listen I thought I thought the skeptics

13
00:00:57,889 --> 00:00:55,620

own fans might want to hear this too

14
00:01:00,260 --> 00:00:57,899
very interesting it'll be coming up

15
00:01:02,330 --> 00:01:00,270
right at the top of the show after then

16
00:01:05,719 --> 00:01:02,340
we talked to jamie williams from the

17
00:01:08,630 --> 00:01:05,729
center for inquiry in canada about his

18
00:01:12,050 --> 00:01:08,640
efforts into stamping out standing on

19
00:01:16,429 --> 00:01:12,060
treading out destroying smashing the

20
00:01:20,149 --> 00:01:16,439
lunacy that is our and should not be ear

21
00:01:23,270 --> 00:01:20,159
candles then manor dr rachel i present

22
00:01:26,179 --> 00:01:23,280
part 2 about armageddon expo report and

23
00:01:30,560 --> 00:01:26,189
this week we chat to voice over artists

24
00:01:32,899 --> 00:01:30,570
miller lee and melody Spivak we also

25
00:01:35,330 --> 00:01:32,909
have a word to the Doctor Who Club of

26
00:01:38,330 --> 00:01:35,340
Australia and check out the stand of

27
00:01:41,630 --> 00:01:38,340
siren visual after that hold on your

28
00:01:44,480 --> 00:01:41,640
funny bones for Glenn wheelers generic

29
00:01:46,940 --> 00:01:44,490
readings and psycho predictions now

30
00:01:48,740 --> 00:01:46,950
Reggie and I love to go into radio 2 GB

31
00:01:50,990 --> 00:01:48,750
from time to time to have a chat to

32
00:01:53,210 --> 00:01:51,000
Glenn wheeler live on air and take call

33
00:01:55,010 --> 00:01:53,220
back but what we didn't know was Glenn

34
00:01:58,730 --> 00:01:55,020
wheeler every Saturday night here in

35
00:02:01,910 --> 00:01:58,740
Sydney does his own live psychic now

36
00:02:05,149 --> 00:02:01,920
that should be psycho readings very

37
00:02:07,459 --> 00:02:05,159
funny coming up soon and to round off

38
00:02:09,889 --> 00:02:07,469

the show dr. Reggie reports and this

39
00:02:12,410 --> 00:02:09,899
time I visit dr. H II where she works

40
00:02:13,820 --> 00:02:12,420
the heart research institute and

41
00:02:16,220 --> 00:02:13,830
discover some of the

42
00:02:18,560 --> 00:02:16,230
the work that she carries out in solving

43
00:02:21,590 --> 00:02:18,570
medical problems that well could impact

44
00:02:23,000 --> 00:02:21,600
us all very interesting stuff thank you

45
00:02:24,770 --> 00:02:23,010
to all those people who wrote in saying

46
00:02:26,870 --> 00:02:24,780
how much they enjoyed the little video I

47
00:02:29,810 --> 00:02:26,880
put out last week of june wilshire

48
00:02:32,240 --> 00:02:29,820
stefan suka and myself recording the the

49
00:02:34,100 --> 00:02:32,250
introduction to last week's show that

50
00:02:36,680 --> 00:02:34,110
was enormous fun we should do it again

51
00:02:39,590 --> 00:02:36,690
sometime and thank you to those people

52
00:02:41,750 --> 00:02:39,600
who chip in and donate less than a

53
00:02:44,270 --> 00:02:41,760
dollar a week it really helps us produce

54
00:02:46,700 --> 00:02:44,280
the skeptic zone for more background

55
00:02:49,280 --> 00:02:46,710
information and all the links mentioned

56
00:02:54,530 --> 00:02:49,290
on the show subscribe free to our

57
00:02:56,660 --> 00:02:54,540
newsletter at wwc a petting zoo TV no

58
00:02:59,030 --> 00:02:56,670
that's enough from me right now what

59
00:03:02,180 --> 00:02:59,040
will I drink this week mmm ginger tea

60
00:03:05,000 --> 00:03:02,190
are perfect I'm going to go downstairs

61
00:03:12,580 --> 00:03:05,010
make myself a ginger tea and let you

62
00:03:17,229 --> 00:03:14,619
if you don't believe in crop circles

63
00:03:18,970 --> 00:03:17,239

power bracelets and astrology you're not

64
00:03:21,729 --> 00:03:18,980
the only ones a local group called the

65
00:03:23,619 --> 00:03:21,739
Hampshire skeptics society meets once a

66
00:03:25,690 --> 00:03:23,629
month and as you can imagine by their

67
00:03:28,300 --> 00:03:25,700
name it's definitely not their sort of

68
00:03:29,890 --> 00:03:28,310
back their next meeting is tonight our

69
00:03:31,660 --> 00:03:29,900
reporter Zoe climb and went along to

70
00:03:34,330 --> 00:03:31,670
have a pre-meeting chat with them to

71
00:03:36,490 --> 00:03:34,340
find out what makes a good skeptic if

72
00:03:38,589 --> 00:03:36,500
you come to the Roebuck in Winchester

73
00:03:40,030 --> 00:03:38,599
and the last Thursday of the month then

74
00:03:42,369 --> 00:03:40,040
you'd better come with an open mind

75
00:03:44,410 --> 00:03:42,379
because it's the meeting place at the

76
00:03:46,720 --> 00:03:44,420
Hampshire skeptics society it's

77
00:03:49,000 --> 00:03:46,730
president is Dave Hughes what are you

78
00:03:52,319 --> 00:03:49,010
skeptical about we are skeptical about

79
00:03:54,850 --> 00:03:52,329
claims that groups and individuals make

80
00:03:57,400 --> 00:03:54,860
often require extraordinary evidence for

81
00:03:58,930 --> 00:03:57,410
one for example there are there are some

82
00:04:00,640 --> 00:03:58,940
people out there who think that crop

83
00:04:03,430 --> 00:04:00,650
circle circles are created by aliens

84
00:04:05,860 --> 00:04:03,440
we're quite happy to accept that they

85
00:04:07,000 --> 00:04:05,870
may indeed be be made by aliens or some

86
00:04:09,850 --> 00:04:07,010
of the forces that we're not aware of

87
00:04:11,410 --> 00:04:09,860
but we'd like some evidence place the

88
00:04:13,089 --> 00:04:11,420

evidence we have at the moment suggests

89
00:04:14,949 --> 00:04:13,099
they're made by well in the past two

90
00:04:16,509 --> 00:04:14,959
guys called Doug and Dave with some

91
00:04:18,969 --> 00:04:16,519
stakes in the ground a bit of rope and a

92
00:04:21,580 --> 00:04:18,979
plank and a highly creative artistic

93
00:04:24,070 --> 00:04:21,590
mind ultimately if you want to believe

94
00:04:25,900 --> 00:04:24,080
that crop circles were made by aliens

95
00:04:27,219 --> 00:04:25,910
where's the harm in that well

96
00:04:29,290 --> 00:04:27,229
fundamentally for that particular

97
00:04:31,570 --> 00:04:29,300
example there is no real harm it's an

98
00:04:33,760 --> 00:04:31,580
amusing and diverting fantasy the

99
00:04:35,740 --> 00:04:33,770
problem comes when people accept some

100
00:04:37,900 --> 00:04:35,750
explanations and accept things for which

101
00:04:40,029 --> 00:04:37,910
there really is no evidence you got to

102
00:04:42,760 --> 00:04:40,039
brace it on your hand there that doesn't

103
00:04:44,589 --> 00:04:42,770
look dissimilar to one of these copper

104
00:04:47,620 --> 00:04:44,599
bracelets that some people claim helps

105
00:04:49,690 --> 00:04:47,630
with arthritis this is

106
00:04:51,970 --> 00:04:49,700
call the placebo band what it actually

107
00:04:54,160 --> 00:04:51,980
is it's an emulation of what called

108
00:04:55,810 --> 00:04:54,170
power balance bracelet which are on sale

109
00:04:58,060 --> 00:04:55,820
in the UK at the moment there are lots

110
00:04:59,800 --> 00:04:58,070
and lots of sports people who were these

111
00:05:01,750 --> 00:04:59,810
things because they think it would open

112
00:05:03,880 --> 00:05:01,760
make them better I'm actually going to

113
00:05:06,670 --> 00:05:03,890

run a demonstration as to what they do

114
00:05:08,620 --> 00:05:06,680
what the trick is and how they work I'd

115
00:05:10,570 --> 00:05:08,630
like you to stand with one foot on top

116
00:05:12,760 --> 00:05:10,580
of the other like this yeah keep your

117
00:05:14,230 --> 00:05:12,770
balance and put your arms out lady I

118
00:05:15,940 --> 00:05:14,240
know go on keep put your arms up nice

119
00:05:18,370 --> 00:05:15,950
and straight okay so I'm now standing in

120
00:05:20,290 --> 00:05:18,380
the middle of a pub with my right foot

121
00:05:22,630 --> 00:05:20,300
on top of my left foot and both my arms

122
00:05:24,460 --> 00:05:22,640
out it's really not very easy and

123
00:05:25,810 --> 00:05:24,470
everybody's looking now what I'm going

124
00:05:27,970 --> 00:05:25,820
to do is I'm going to show you just how

125
00:05:29,980 --> 00:05:27,980
unbalanced you are at the moment I'm

126
00:05:32,200 --> 00:05:29,990
gonna push down on your arm and you're

127
00:05:35,260 --> 00:05:32,210
gonna resist me until you fall over and

128
00:05:37,690 --> 00:05:35,270
pushing down on your left arm now there

129
00:05:39,430 --> 00:05:37,700
we go and you've gone okay very cool no

130
00:05:42,220 --> 00:05:39,440
it didn't right now then what I'm gonna

131
00:05:44,380 --> 00:05:42,230
do is I'm going to hand you a magic p.m.

132
00:05:45,970 --> 00:05:44,390
at it will improve your balance it will

133
00:05:47,950 --> 00:05:45,980
improve your energy there you go there's

134
00:05:49,240 --> 00:05:47,960
your magic beer mat let's just assume

135
00:05:51,400 --> 00:05:49,250
that that's one of these power balance

136
00:05:53,200 --> 00:05:51,410
bracelets okay now assume the same

137
00:05:54,790 --> 00:05:53,210
posture please and I'm gonna do the same

138
00:05:58,150 --> 00:05:54,800

thing again and see how much you can

139
00:05:59,650 --> 00:05:58,160
resist this time Wow much easier it's

140
00:06:01,240 --> 00:05:59,660
much easier to resist it and I couldn't

141
00:06:03,370 --> 00:06:01,250
push you over there how does that one

142
00:06:05,770 --> 00:06:03,380
and right ok two very very simple the

143
00:06:08,170 --> 00:06:05,780
trick basically is when you have your

144
00:06:09,910 --> 00:06:08,180
arm out like this when I'm pressing down

145
00:06:13,300 --> 00:06:09,920
i'm pressing straight down on your arm

146
00:06:15,370 --> 00:06:13,310
so you are maximally disposed to fall

147
00:06:17,920 --> 00:06:15,380
over but when I give you the magic beer

148
00:06:20,020 --> 00:06:17,930
mat what i do is i push slightly inwards

149
00:06:21,970 --> 00:06:20,030
towards your body instead of pushing

150
00:06:24,280 --> 00:06:21,980
straight down on your arm I'm pushing

151
00:06:26,380 --> 00:06:24,290
slightly inwards just that small change

152
00:06:28,900 --> 00:06:26,390
makes it far easier for you to resist

153
00:06:31,090 --> 00:06:28,910
the movement so you don't fall over now

154
00:06:33,670 --> 00:06:31,100
of course what happens is the person

155
00:06:35,650 --> 00:06:33,680
undergoing the test from the person

156
00:06:37,090 --> 00:06:35,660
selling the band's they say here we go

157
00:06:39,260 --> 00:06:37,100
we'll show you just how bad you are

158
00:06:40,700 --> 00:06:39,270
initially then they give them the band

159
00:06:42,410 --> 00:06:40,710
and show them just how much it improves

160
00:06:44,690 --> 00:06:42,420
and the waiting crowd thinks that this

161
00:06:47,270 --> 00:06:44,700
is fantastic so there we go that's the

162
00:06:51,140 --> 00:06:47,280
secret Dave dare I ask whether you ever

163
00:06:53,510 --> 00:06:51,150

read your horoscope hahaha actually I do

164
00:06:54,950 --> 00:06:53,520
yes um I read all of the horoscopes you

165
00:06:57,170 --> 00:06:54,960
can give the same thing to to several

166
00:06:58,550 --> 00:06:57,180
different astrologers and get say five

167
00:07:00,710 --> 00:06:58,560
different readings back a different one

168
00:07:02,300 --> 00:07:00,720
from each so doesn't fill me with

169
00:07:04,370 --> 00:07:02,310
confidence with regards to their

170
00:07:05,780 --> 00:07:04,380
accuracy so do you find that Sunday's

171
00:07:08,900 --> 00:07:05,790
you're a Virgo and other days you more

172
00:07:13,700 --> 00:07:08,910
of a Gemini no actually according to

173
00:07:16,310 --> 00:07:13,710
their chance I'm a Scorpio the Hampshire

174
00:07:18,710 --> 00:07:16,320
skeptics will be back at that pub the

175
00:07:20,630 --> 00:07:18,720
Roebuck in in Winchester tonight don't

176
00:07:23,750 --> 00:07:20,640
miss them right we're gonna speak to

177
00:07:25,580 --> 00:07:23,760
shirley from Bauman and now a message

178
00:07:33,800 --> 00:07:25,590
from the inside of Richard Saunders

179
00:07:36,500 --> 00:07:33,810
walk-in refrigerator jamie williams from

180
00:07:39,890 --> 00:07:36,510
the center for inquiry in canada is

181
00:07:41,960 --> 00:07:39,900
based in Vancouver recently Jamie took

182
00:07:44,420 --> 00:07:41,970
strong action against the lunacy of ear

183
00:07:47,270 --> 00:07:44,430
candles and set up his own website ear

184
00:07:51,490 --> 00:07:47,280
candles are illegal I contacted Jamie

185
00:07:56,840 --> 00:07:53,980
well joining me now all the way from

186
00:07:59,330 --> 00:07:56,850
wonderful beautiful Vancouver British

187
00:08:02,810 --> 00:07:59,340
Columbia in Canada it's jamie williams

188
00:08:04,610 --> 00:08:02,820

hi Jamie I wretched really nice that you

189
00:08:06,860 --> 00:08:04,620
could spare some time to have a chat

190
00:08:08,660 --> 00:08:06,870
with us here on the skeptic zone how

191
00:08:11,240 --> 00:08:08,670
could you fill our listeners in a little

192
00:08:14,660 --> 00:08:11,250
bit about what you are doing up there

193
00:08:17,660 --> 00:08:14,670
and your official capacity well I'm a

194
00:08:21,800 --> 00:08:17,670
member of the local skeptical community

195
00:08:25,880 --> 00:08:21,810
and I am as of this month the new

196
00:08:28,370 --> 00:08:25,890
executive director of the cfi canada

197
00:08:31,010 --> 00:08:28,380
vancouver branch and what does that

198
00:08:35,029 --> 00:08:31,020
entail exactly well at our vancouver

199
00:08:37,459 --> 00:08:35,039
branch we put on monthly lectures we

200
00:08:41,120 --> 00:08:37,469
have a discussion group we have a book

201
00:08:43,969 --> 00:08:41,130
club we do some skeptical activism we're

202
00:08:49,100 --> 00:08:43,979
a voice in the media across canada for

203
00:08:52,840 --> 00:08:49,110
the rational secular skeptical point of

204
00:08:56,600 --> 00:08:52,850
view we support a local skeptic

205
00:09:00,020 --> 00:08:56,610
non-believer community and represent

206
00:09:03,200 --> 00:09:00,030
their values now the cute listener might

207
00:09:06,230 --> 00:09:03,210
might might gather might glean that your

208
00:09:08,270 --> 00:09:06,240
voice does not exactly sound like the

209
00:09:11,320 --> 00:09:08,280
classic Canadian accent what's your

210
00:09:14,540 --> 00:09:11,330
story Jamie well I am actually

211
00:09:16,970 --> 00:09:14,550
Australian aha I've been living in

212
00:09:19,850 --> 00:09:16,980
Canada for the last three and a bit

213
00:09:21,290 --> 00:09:19,860

years yeah so I don't sound like most of

214
00:09:24,680 --> 00:09:21,300
the people around here although there

215
00:09:25,940 --> 00:09:24,690
are a lot of Australians in Canada just

216
00:09:27,800 --> 00:09:25,950
like there are a lot of Australians

217
00:09:31,880 --> 00:09:27,810
almost everywhere and for those people

218
00:09:35,360 --> 00:09:31,890
who may not know the see if I Center for

219
00:09:38,410 --> 00:09:35,370
inquiry has been it's sort of a an

220
00:09:41,329 --> 00:09:38,420
offshoot should we save the old sigh cop

221
00:09:46,160 --> 00:09:41,339
well sure the movement got started with

222
00:09:48,170 --> 00:09:46,170
SCI cop the committee force the

223
00:09:51,350 --> 00:09:48,180
scientific investigation of claims of

224
00:09:55,040 --> 00:09:51,360
the paranormal now just called CSI the

225
00:09:58,430 --> 00:09:55,050
committee for skeptical inquiry cfi was

226
00:10:03,800 --> 00:09:58,440
started a number of years later and is

227
00:10:07,640 --> 00:10:03,810
the umbrella organization for CF CSI

228
00:10:09,830 --> 00:10:07,650
and also the CSH the council for secular

229
00:10:12,440 --> 00:10:09,840
humanism what a mouthful all those

230
00:10:14,900 --> 00:10:12,450
initials I tell you what but it's better

231
00:10:16,660 --> 00:10:14,910
just to call it does no center for

232
00:10:20,170 --> 00:10:16,670
inquiry I think that just sounds lovely

233
00:10:24,110 --> 00:10:20,180
yeah it's so so nice much easier way too

234
00:10:26,600 --> 00:10:24,120
much easier way to to refer to it now I

235
00:10:29,540 --> 00:10:26,610
saw you recently of course you were in

236
00:10:32,570 --> 00:10:29,550
the local media on television as part of

237
00:10:36,760 --> 00:10:32,580
the local Vancouver skeptics up there

238
00:10:40,070 --> 00:10:36,770

taking part in the 1023 campaign yes

239
00:10:42,890 --> 00:10:40,080
actually it was all the way back last

240
00:10:46,910 --> 00:10:42,900
year well them before Tam that we

241
00:10:53,000 --> 00:10:46,920
recorded it for the consumer affairs

242
00:10:57,260 --> 00:10:53,010
show CBC marketplace they contacted cfi

243
00:11:01,460 --> 00:10:57,270
asking for some input about homeopathy

244
00:11:05,240 --> 00:11:01,470
and eventually it ended up we did a mass

245
00:11:07,790 --> 00:11:05,250
overdose for for the camera and the

246
00:11:10,310 --> 00:11:07,800
episode that that was in which was very

247
00:11:16,070 --> 00:11:10,320
skeptical and rightly called out

248
00:11:19,240 --> 00:11:16,080
homeopathy on it's ludicrous suppose

249
00:11:22,460 --> 00:11:19,250
that supposed method of action and and

250
00:11:25,070 --> 00:11:22,470
preparation etc that episode actually

251
00:11:29,930 --> 00:11:25,080
went on to be their most watched episode

252
00:11:32,770 --> 00:11:29,940
in seven years i believe so it was a big

253
00:11:35,840 --> 00:11:32,780
achievement for for local skeptics to

254
00:11:36,980 --> 00:11:35,850
get their message out like that that's

255
00:11:40,520 --> 00:11:36,990
an interesting you should say that

256
00:11:42,440 --> 00:11:40,530
because our local science show here in

257
00:11:44,570 --> 00:11:42,450
Australia the on the national

258
00:11:46,850 --> 00:11:44,580
broadcaster called catalyst which our

259
00:11:48,650 --> 00:11:46,860
good friend dr. Paul Willis he's a

260
00:11:51,560 --> 00:11:48,660
reporter for the catalyst program a

261
00:11:54,560 --> 00:11:51,570
number of years ago they ran or they

262
00:11:56,690 --> 00:11:54,570
replayed the BBC James Randi homeopathy

263
00:12:00,260 --> 00:11:56,700

story and that was one of the highest

264
00:12:02,240 --> 00:12:00,270
rating and talked about programs for for

265
00:12:04,160 --> 00:12:02,250
that particular show so the wonder why

266
00:12:09,160 --> 00:12:04,170
programs don't do more expose days of

267
00:12:12,320 --> 00:12:09,170
homeopathy yeah there was a big reaction

268
00:12:14,990 --> 00:12:12,330
especially on the part of the homeopaths

269
00:12:17,560 --> 00:12:15,000
in canada obviously there was a lot of

270
00:12:20,210 --> 00:12:17,570
scrambling by some people to

271
00:12:24,500 --> 00:12:20,220
distance themselves from the more

272
00:12:32,300 --> 00:12:24,510
extreme claims of homeopathy being able

273
00:12:36,350 --> 00:12:32,310
to treat cancers and there was a fairly

274
00:12:39,200 --> 00:12:36,360
large backlash or a response to the

275
00:12:41,120 --> 00:12:39,210
skeptical angle of the show so a lot of

276
00:12:43,160 --> 00:12:41,130
lot of home you perhaps crying foul

277
00:12:45,320 --> 00:12:43,170
wringing their hands saying how dare you

278
00:12:47,360 --> 00:12:45,330
and this saved my dog's life and all

279
00:12:50,240 --> 00:12:47,370
this sort of stuff oh yeah and it

280
00:12:52,940 --> 00:12:50,250
actually even started before the show

281
00:12:55,579 --> 00:12:52,950
had aired real just from a tete like the

282
00:13:00,320 --> 00:12:55,589
15 second trailer that was on the

283
00:13:04,060 --> 00:13:00,330
website now and before it had even shown

284
00:13:07,400 --> 00:13:04,070
there was a press release put out by a

285
00:13:12,890 --> 00:13:07,410
one group of homeopaths decrying the

286
00:13:15,500 --> 00:13:12,900
bias in the in the show etc that that's

287
00:13:17,930 --> 00:13:15,510
fascinating I tell you what I'm going to

288
00:13:20,660 --> 00:13:17,940

do for our listeners on the website and

289
00:13:23,090 --> 00:13:20,670
in the newsletter in the weekly skeptics

290
00:13:26,480 --> 00:13:23,100
own newsletter i'll put a link not only

291
00:13:28,070 --> 00:13:26,490
to to your CF I of course but also i'll

292
00:13:30,079 --> 00:13:28,080
certainly put a link to the marketplace

293
00:13:31,850 --> 00:13:30,089
videos which I happen to know are on

294
00:13:34,220 --> 00:13:31,860
YouTube and they make for fascinating

295
00:13:35,750 --> 00:13:34,230
viewing now it's interesting that you

296
00:13:37,870 --> 00:13:35,760
should be sort of taking action like we

297
00:13:41,980 --> 00:13:37,880
all are against this sort of crazy

298
00:13:45,920 --> 00:13:41,990
so-called medical medicine of homeopathy

299
00:13:47,870 --> 00:13:45,930
your you are and this has really caught

300
00:13:50,660 --> 00:13:47,880
my attention you are also taking action

301
00:13:53,630 --> 00:13:50,670
against another crazy form of so-called

302
00:13:59,180 --> 00:13:53,640
medication and that being ear candles

303
00:14:04,850 --> 00:13:59,190
yes I recently became acquainted with

304
00:14:08,570 --> 00:14:04,860
ear candles I knew the very basics of

305
00:14:13,250 --> 00:14:08,580
the idea but when I saw them for sale at

306
00:14:16,960 --> 00:14:13,260
a local organic market which I found

307
00:14:19,400 --> 00:14:16,970
myself in which is actually a chain or

308
00:14:22,790 --> 00:14:19,410
throughout the province of British

309
00:14:25,940 --> 00:14:22,800
Columbia I was a bit suspicious so I

310
00:14:27,770 --> 00:14:25,950
knew that that they were illegal or or

311
00:14:28,760 --> 00:14:27,780
the need to have a license or at the

312
00:14:31,100 --> 00:14:28,770
very least I knew that they were

313
00:14:34,250 --> 00:14:31,110

dangerous so I decided to

314
00:14:36,730 --> 00:14:34,260
to check into their status in Canada I

315
00:14:40,280 --> 00:14:36,740
found out that they are actually

316
00:14:43,220 --> 00:14:40,290
effectively illegal you need adolescence

317
00:14:45,740 --> 00:14:43,230
to sell them because they're classified

318
00:14:49,699 --> 00:14:45,750
as a medical device and without a

319
00:14:52,340 --> 00:14:49,709
license des a less illegal so Health

320
00:14:55,009 --> 00:14:52,350
Canada refuses to issued licenses

321
00:14:57,470 --> 00:14:55,019
because they're dangerous and they're

322
00:15:01,160 --> 00:14:57,480
completely ineffective I started the

323
00:15:04,430 --> 00:15:01,170
process of reporting this this grocery

324
00:15:08,569 --> 00:15:04,440
chain called the choices markets to

325
00:15:10,610 --> 00:15:08,579
health canada and currently they're no

326
00:15:14,230 --> 00:15:10,620
longer being salt that you can also no

327
00:15:17,210 --> 00:15:14,240
longer being sold in the stores and the

328
00:15:21,440 --> 00:15:17,220
manufacturer who i managed to track down

329
00:15:24,310 --> 00:15:21,450
and actually talk to as being his the

330
00:15:27,949 --> 00:15:24,320
company is being investigated by the

331
00:15:29,569 --> 00:15:27,959
alberton health canada authorities no

332
00:15:31,699 --> 00:15:29,579
that's that's great to hear that you're

333
00:15:34,190 --> 00:15:31,709
taking such strong action and of course

334
00:15:36,319 --> 00:15:34,200
you're taking a more action in the form

335
00:15:39,829 --> 00:15:36,329
of a website that was only recently

336
00:15:44,120 --> 00:15:39,839
launched that's right have a new website

337
00:15:50,030 --> 00:15:44,130
ear candles are illegal dotnet at all

338
00:15:51,980 --> 00:15:50,040

yeah it is aimed towards Canadian

339
00:15:55,120 --> 00:15:51,990
skeptics mostly because it deals with

340
00:15:57,439 --> 00:15:55,130
the status of ear candles in Canada

341
00:16:00,769 --> 00:15:57,449
unfortunately I don't think they're

342
00:16:02,210 --> 00:16:00,779
illegal anywhere else well it's

343
00:16:04,280 --> 00:16:02,220
certainly not illegal in Australia you

344
00:16:09,110 --> 00:16:04,290
know to just about any pharmacy and buy

345
00:16:11,990 --> 00:16:09,120
the damn things yeah I know you and I um

346
00:16:14,600 --> 00:16:12,000
took a walk through Sydney and saw them

347
00:16:16,340 --> 00:16:14,610
for sale in a few places we did we did

348
00:16:18,590 --> 00:16:16,350
that was when you were out here visiting

349
00:16:23,630 --> 00:16:18,600
us for the amazing meeting of course yep

350
00:16:24,889 --> 00:16:23,640
and Fred joined us and yeah yeah that

351
00:16:27,319 --> 00:16:24,899
was quite something we had some

352
00:16:29,030 --> 00:16:27,329
interesting looks in the pharmacies we

353
00:16:30,439 --> 00:16:29,040
went to because they're not used to

354
00:16:32,480 --> 00:16:30,449
people coming in and saying by the way

355
00:16:35,930 --> 00:16:32,490
what you're selling is not only

356
00:16:38,960 --> 00:16:35,940
ineffective it's also dangerous yes yeah

357
00:16:41,389 --> 00:16:38,970
I don't think they're and I think the

358
00:16:42,950 --> 00:16:41,399
people even take much time to understand

359
00:16:47,840 --> 00:16:42,960
what is there selling and that's

360
00:16:50,060 --> 00:16:47,850
most of the problem in the case of well

361
00:16:52,030 --> 00:16:50,070
I guess the situation in Australia where

362
00:16:54,650 --> 00:16:52,040
they're selling them in pharmacies and

363
00:16:58,070 --> 00:16:54,660

by making the website i hope to give

364
00:17:02,410 --> 00:16:58,080
skeptics in canada all of the details

365
00:17:06,230 --> 00:17:02,420
they need to report a legal sale and

366
00:17:08,480 --> 00:17:06,240
manufacturer of ear candles wherever

367
00:17:11,500 --> 00:17:08,490
they are in canada because the

368
00:17:18,290 --> 00:17:11,510
importation of candles is illegal also

369
00:17:20,690 --> 00:17:18,300
so my site has a step-by-step guide for

370
00:17:23,590 --> 00:17:20,700
what you need to do to investigate the

371
00:17:26,329 --> 00:17:23,600
sale what details you need to mark down

372
00:17:29,990 --> 00:17:26,339
who you need to contact and how to

373
00:17:32,180 --> 00:17:30,000
follow up on the investigation it also

374
00:17:36,580 --> 00:17:32,190
contains a lot of background information

375
00:17:39,170 --> 00:17:36,590
on ear candles references to all of the

376
00:17:44,390 --> 00:17:39,180
what little published scientific

377
00:17:47,990 --> 00:17:44,400
research it there is some newspaper

378
00:17:52,100 --> 00:17:48,000
articles referring to damage which has

379
00:17:54,800 --> 00:17:52,110
been done by ear candles such as the

380
00:17:57,290 --> 00:17:54,810
unfortunate death of one woman who set

381
00:18:02,660 --> 00:17:57,300
her house alight and died from smoke

382
00:18:05,540 --> 00:18:02,670
inhalation and a full explanation of the

383
00:18:09,170 --> 00:18:05,550
laws that actually make them illegal in

384
00:18:13,100 --> 00:18:09,180
Canada I've also got a full the full

385
00:18:15,350 --> 00:18:13,110
story of how I spotted the candles that

386
00:18:17,450 --> 00:18:15,360
I complained about how I made my

387
00:18:21,050 --> 00:18:17,460
complaint my discussion with the

388
00:18:24,200 --> 00:18:21,060

manufacturer over the phone and my

389
00:18:26,840 --> 00:18:24,210
dealings with Health Canada so that

390
00:18:28,610 --> 00:18:26,850
that's an interesting story I think to

391
00:18:31,100 --> 00:18:28,620
anyone who would be who's interested in

392
00:18:33,140 --> 00:18:31,110
making their own complaint it's quite

393
00:18:35,530 --> 00:18:33,150
it's quite staggering to me that there

394
00:18:38,000 --> 00:18:35,540
should be a mythology at their

395
00:18:40,220 --> 00:18:38,010
government a government authority i

396
00:18:42,560 --> 00:18:40,230
might say that actually took the step of

397
00:18:44,300 --> 00:18:42,570
saying no this is rubbish and we're

398
00:18:47,960 --> 00:18:44,310
going to protect our citizens from it I

399
00:18:50,030 --> 00:18:47,970
certainly wish that that's sort of clear

400
00:18:52,040 --> 00:18:50,040
thinking on these issues could spread

401
00:18:55,370 --> 00:18:52,050
around the world and maybe a website is

402
00:18:56,000 --> 00:18:55,380
a good way to get people motivated into

403
00:19:00,410 --> 00:18:56,010
doing this

404
00:19:03,770 --> 00:19:00,420
locally yeah I think more more of these

405
00:19:07,790 --> 00:19:03,780
niche sites are needed to tackle

406
00:19:10,340 --> 00:19:07,800
specific pseudo-sciences or or dangerous

407
00:19:14,110 --> 00:19:10,350
treatments there are a lot of really

408
00:19:18,920 --> 00:19:14,120
good sites that handle general claims or

409
00:19:25,160 --> 00:19:18,930
do a little of everything other sites

410
00:19:27,250 --> 00:19:25,170
like crack watch so in depth that the

411
00:19:31,570 --> 00:19:27,260
average person couldn't possibly hope to

412
00:19:34,640 --> 00:19:31,580
keep something of that caliber going for

413
00:19:36,920 --> 00:19:34,650

you know over a decade like dr. Steven

414
00:19:39,260 --> 00:19:36,930
Barrett has yeah it's quack watch calm

415
00:19:41,870 --> 00:19:39,270
well great i don't but my little site

416
00:19:45,890 --> 00:19:41,880
which didn't take too much time to put

417
00:19:50,570 --> 00:19:45,900
together is something that many people

418
00:19:52,340 --> 00:19:50,580
can do and with fairly little effort so

419
00:19:55,370 --> 00:19:52,350
if we have more of these niche sites

420
00:19:59,180 --> 00:19:55,380
providing specific information about

421
00:20:00,980 --> 00:19:59,190
particular treatments or products it

422
00:20:03,920 --> 00:20:00,990
makes the information a lot easier to

423
00:20:08,270 --> 00:20:03,930
find for people who are interested in

424
00:20:10,310 --> 00:20:08,280
that particular subject now ear candles

425
00:20:12,500 --> 00:20:10,320
never cease to amaze me and I remember

426
00:20:14,450 --> 00:20:12,510
the first time I ever saw them was about

427
00:20:16,670 --> 00:20:14,460
all about eight years ago I went to the

428
00:20:19,010 --> 00:20:16,680
mind-body wallet festival here in Sydney

429
00:20:20,960 --> 00:20:19,020
as I do every six months and I'm walking

430
00:20:23,630 --> 00:20:20,970
around and I see these people lying on

431
00:20:26,990 --> 00:20:23,640
their sides with candles lit candle

432
00:20:29,660 --> 00:20:27,000
sticking out of their ear and the I have

433
00:20:33,110 --> 00:20:29,670
to admit my first thought was what is

434
00:20:36,080 --> 00:20:33,120
this gag what is this joke is this is

435
00:20:39,290 --> 00:20:36,090
there a camera what it couldn't I

436
00:20:40,910 --> 00:20:39,300
couldn't reconcile the fact that no

437
00:20:44,030 --> 00:20:40,920
these people are seriously sticking

438
00:20:46,850 --> 00:20:44,040

burning bits of wax candle choose in

439
00:20:48,620 --> 00:20:46,860
their ears and still amazed the sort of

440
00:20:51,290 --> 00:20:48,630
it sounds like the sort of thing that a

441
00:20:53,450 --> 00:20:51,300
skeptic would make up as an example of

442
00:20:56,060 --> 00:20:53,460
the ridiculous things that yes people do

443
00:20:57,890 --> 00:20:56,070
yes yes and then a word got out and that

444
00:20:59,480 --> 00:20:57,900
these people said i will try it anyway

445
00:21:02,560 --> 00:20:59,490
and next thing you know people are

446
00:21:05,300 --> 00:21:02,570
making quite a comfortable living out of

447
00:21:08,720 --> 00:21:05,310
tricking people into putting burning

448
00:21:12,610 --> 00:21:08,730
bits of wax in area

449
00:21:15,590 --> 00:21:12,620
the the prices that people charge for

450
00:21:17,450 --> 00:21:15,600
sticking a couple of dollars worth of

451
00:21:20,600 --> 00:21:17,460
wax and cloth in your ear and and

452
00:21:22,789 --> 00:21:20,610
setting it alight or outrageous oh it's

453
00:21:26,030 --> 00:21:22,799
like a homeopathy isn't it yeah anything

454
00:21:30,110 --> 00:21:26,040
from I've seen them from anywhere from

455
00:21:32,780 --> 00:21:30,120
25 to 70 dollars Wow on the candles yet

456
00:21:35,270 --> 00:21:32,790
for for like half an hour or an hour or

457
00:21:39,470 --> 00:21:35,280
something and the candles themselves are

458
00:21:43,130 --> 00:21:39,480
pretty expensive they can cost you know

459
00:21:47,270 --> 00:21:43,140
i think i paid nine dollars for two

460
00:21:50,690 --> 00:21:47,280
candles these drives a little bits of

461
00:21:53,450 --> 00:21:50,700
cloth soaked in in wax right i think

462
00:21:55,100 --> 00:21:53,460
there's something like $13 here in the

463
00:21:58,130 --> 00:21:55,110

pharmacies in australia something like

464
00:22:00,799 --> 00:21:58,140
that and this manufacturer that i spoke

465
00:22:03,320 --> 00:22:00,809
to who was making the candles that i

466
00:22:05,840 --> 00:22:03,330
complained about the sale of told me

467
00:22:08,720 --> 00:22:05,850
that he was shipping tens of thousands

468
00:22:10,340 --> 00:22:08,730
all over the world every year and I

469
00:22:14,600 --> 00:22:10,350
don't know whether he was just talking

470
00:22:16,340 --> 00:22:14,610
up his company or not but ok because I'm

471
00:22:19,000 --> 00:22:16,350
afraid he wasn't talking out of his ear

472
00:22:21,470 --> 00:22:19,010
candle the judging by the number of

473
00:22:25,520 --> 00:22:21,480
pharmacies just in my city of sydney

474
00:22:27,919 --> 00:22:25,530
alone that carried them and I've had an

475
00:22:29,840 --> 00:22:27,929
interesting time when I've expressed my

476
00:22:31,400 --> 00:22:29,850
concern to a particular pharmacist and

477
00:22:33,080 --> 00:22:31,410
they say well you know as soon as the

478
00:22:34,789 --> 00:22:33,090
box is empty on the Shelf they put out

479
00:22:36,610 --> 00:22:34,799
another box and they just keep selling

480
00:22:41,210 --> 00:22:36,620
and it comes back to the old and

481
00:22:43,130 --> 00:22:41,220
completely ridiculous justification why

482
00:22:44,480 --> 00:22:43,140
do you sell these products oh well we

483
00:22:47,900 --> 00:22:44,490
sell them because people want to buy

484
00:22:51,970 --> 00:22:47,910
them yeah that was basically the answer

485
00:22:55,130 --> 00:22:51,980
i got when i called the head office of

486
00:22:57,530 --> 00:22:55,140
choices markets they initially claimed

487
00:22:59,390 --> 00:22:57,540
that they were selling them legally that

488
00:23:01,640 --> 00:22:59,400

their manufacturer did have a license

489
00:23:04,220 --> 00:23:01,650
which i found there wasn't true i said

490
00:23:05,750 --> 00:23:04,230
well okay even if you do have a license

491
00:23:07,250 --> 00:23:05,760
I'd like to make a complaint because

492
00:23:09,140 --> 00:23:07,260
you're selling something the Health

493
00:23:12,110 --> 00:23:09,150
Canada has called dangerous and

494
00:23:13,669 --> 00:23:12,120
ineffective and they said that will

495
00:23:16,419 --> 00:23:13,679
we're just going to sell what our

496
00:23:20,030 --> 00:23:16,429
customers want to buy yep yep

497
00:23:22,790 --> 00:23:20,040
unbelievable unbelievable look Jamie all

498
00:23:24,140 --> 00:23:22,800
power to you keep that

499
00:23:25,720 --> 00:23:24,150
light burning but don't use an ear

500
00:23:28,670 --> 00:23:25,730
candle to keep that light burning please

501
00:23:31,100 --> 00:23:28,680
and just just to go over those websites

502
00:23:35,090 --> 00:23:31,110
again for our listeners of course your

503
00:23:37,130 --> 00:23:35,100
your main website is the CFL I website

504
00:23:41,710 --> 00:23:37,140
and where is that located okay the

505
00:23:45,050 --> 00:23:41,720
Canadian one is cfi canada CA and the

506
00:23:48,620 --> 00:23:45,060
transnational one is Center for inquiry

507
00:23:52,400 --> 00:23:48,630
dotnet that's spelt the American Way and

508
00:23:55,850 --> 00:23:52,410
of course the ear candle site is ear

509
00:23:58,510 --> 00:23:55,860
candles are illegal dotnet I really

510
00:24:01,940 --> 00:23:58,520
appreciate any visits like I can get

511
00:24:06,290 --> 00:24:01,950
sharing it on Facebook linking to it if

512
00:24:08,420 --> 00:24:06,300
you've got a relevant site and any

513
00:24:10,670 --> 00:24:08,430

questions anyone wants to ask me about

514
00:24:13,130 --> 00:24:10,680
the ear candles send it through the

515
00:24:15,560 --> 00:24:13,140
contact form on the website well thank

516
00:24:17,150 --> 00:24:15,570
you jamie very much for sharing some

517
00:24:19,730 --> 00:24:17,160
time with us here on the skeptic zone

518
00:24:21,230 --> 00:24:19,740
and i hope all our listeners and in fact

519
00:24:23,540 --> 00:24:21,240
I encourage all our listeners to have a

520
00:24:27,140 --> 00:24:23,550
look have a look at that website and see

521
00:24:33,399 --> 00:24:27,150
what skeptical activism can do thank you

522
00:24:38,210 --> 00:24:36,019
either everybody my name is chris brown

523
00:24:40,100 --> 00:24:38,220
you see I've got a problem I'll get this

524
00:24:42,740 --> 00:24:40,110
really cool podcast called meet the

525
00:24:44,539 --> 00:24:42,750
skeptics where I basically call up all

526
00:24:46,549 --> 00:24:44,549
those great critical thinkers and

527
00:24:49,399 --> 00:24:46,559
skeptics and people like James Randi

528
00:24:52,220 --> 00:24:49,409
George Crom J novella Brian Dunning both

529
00:24:54,710 --> 00:24:52,230
Derek and swoopy Eugenie Scott Richard

530
00:24:56,630 --> 00:24:54,720
Saunders and so many more the enemies

531
00:24:59,690 --> 00:24:56,640
are even a perfect length an average

532
00:25:01,610 --> 00:24:59,700
between 30 and 45 minutes just right for

533
00:25:03,710 --> 00:25:01,620
an average commute to work but I just

534
00:25:05,990 --> 00:25:03,720
don't know how to get the word out so do

535
00:25:08,210 --> 00:25:06,000
me a favor everybody go to iTunes listen

536
00:25:09,950 --> 00:25:08,220
to meet the skeptics you'll find some

537
00:25:11,510 --> 00:25:09,960
great interviews on there learn some

538
00:25:14,060 --> 00:25:11,520

things you probably never knew about and

539
00:25:16,460 --> 00:25:14,070
if you have any ideas for how i can get

540
00:25:18,500 --> 00:25:16,470
the word out and advertise the podcast

541
00:25:21,529 --> 00:25:18,510
just let me know you can write me at

542
00:25:24,049 --> 00:25:21,539
meet the skeptics @ aol.com or follow me

543
00:25:25,430 --> 00:25:24,059
on twitter at meet the skeptics thanks

544
00:25:37,149 --> 00:25:25,440
for listening I hope to hear from you

545
00:25:42,350 --> 00:25:39,320
wonders will never cease ladies and

546
00:25:44,389 --> 00:25:42,360
gentlemen 15 years ago 15 years ago I

547
00:25:46,549 --> 00:25:44,399
worked at a place called intensity I've

548
00:25:49,490 --> 00:25:46,559
happened long here to the doctor who

549
00:25:51,379 --> 00:25:49,500
stand here at Armageddon and I bump into

550
00:25:55,070 --> 00:25:51,389
an old colleague of mine who winked

551
00:25:56,990 --> 00:25:55,080
under the name of Avon Avon is great to

552
00:25:58,789 --> 00:25:57,000
see you good to see you too babe that's

553
00:26:00,769 --> 00:25:58,799
a fleet alongside it has been a long

554
00:26:03,200 --> 00:26:00,779
time now you're here of course to

555
00:26:04,730 --> 00:26:03,210
promote Doctor Who well I'm president of

556
00:26:06,769 --> 00:26:04,740
doctor who clubbed with australia where

557
00:26:08,269 --> 00:26:06,779
well we're here to will promote the

558
00:26:10,789 --> 00:26:08,279
father as well as we've got our own

559
00:26:13,279 --> 00:26:10,799
convention on next weekend at the

560
00:26:15,680 --> 00:26:13,289
novotel just over the way here and don't

561
00:26:17,930 --> 00:26:15,690
the Olympic Park novotel right and we've

562
00:26:20,060 --> 00:26:17,940
got to get into low from the classic

563
00:26:22,399 --> 00:26:20,070

series on the wall behind me I see their

564
00:26:25,490 --> 00:26:22,409
photographs here yes indeed yeah so I'm

565
00:26:27,019 --> 00:26:25,500
so we're here to do our usual stuff but

566
00:26:29,180 --> 00:26:27,029
also to promote that and hopefully I get

567
00:26:31,190 --> 00:26:29,190
people long to that and we're actually

568
00:26:33,289 --> 00:26:31,200
it's 21 years since we've had the first

569
00:26:34,700 --> 00:26:33,299
overseas gift right over which is a

570
00:26:36,529 --> 00:26:34,710
little sad actually because it was

571
00:26:38,570 --> 00:26:36,539
Nicholas Courtney who just died only a

572
00:26:40,490 --> 00:26:38,580
couple of days ago so I did not know

573
00:26:42,409 --> 00:26:40,500
that yeah he's a bit sad yeah but I do

574
00:26:44,149 --> 00:26:42,419
know that so it'll be a bit of a reading

575
00:26:45,799 --> 00:26:44,159
for him to Brigadier that's right so

576
00:26:48,710 --> 00:26:45,809
it'll be a bit of a tribute to him as

577
00:26:50,389 --> 00:26:48,720
well now now you know why unfortunately

578
00:26:52,129 --> 00:26:50,399
but yeah he was our very first guest 21

579
00:26:54,560 --> 00:26:52,139
years ago but we're also raising money

580
00:26:57,110 --> 00:26:54,570
for the coins a flood relief fund Janet

581
00:26:59,389 --> 00:26:57,120
Janet feeling tegan he's from Brisbane

582
00:27:00,980 --> 00:26:59,399
right is mr. Brisbane girl and an actual

583
00:27:02,629 --> 00:27:00,990
mark was either naturalized Australian

584
00:27:04,039 --> 00:27:02,639
to he is English but he's a naturalized

585
00:27:05,779 --> 00:27:04,049
Australian year so we've actually got a

586
00:27:08,060 --> 00:27:05,789
good Australian flavor to this one oh

587
00:27:09,440 --> 00:27:08,070
that's fantastic i'm pleased to see it

588
00:27:13,190 --> 00:27:09,450

now let's have a little squeeze at the

589
00:27:18,799 --> 00:27:13,200
website folks in australia visit dr. who

590
00:27:20,450 --> 00:27:18,809
australia old w WQ v australia org looks

591
00:27:22,850 --> 00:27:20,460
like they're doing a fantastic job here

592
00:27:24,560 --> 00:27:22,860
especially with the your efforts to help

593
00:27:26,840 --> 00:27:24,570
the community of course but to raise

594
00:27:28,369 --> 00:27:26,850
interest for Doctor Who fans yeah

595
00:27:29,930 --> 00:27:28,379
absolutely look there's so many out

596
00:27:32,869 --> 00:27:29,940
there I mean love David so he's getting

597
00:27:34,050 --> 00:27:32,879
like huge ratings through the series at

598
00:27:35,220 --> 00:27:34,060
the moment yeah

599
00:27:36,330 --> 00:27:35,230
I say that I mean people are out there

600
00:27:38,250 --> 00:27:36,340
are a lot of people are watching it

601
00:27:39,690 --> 00:27:38,260
particularly now it's I'm not sure about

602
00:27:41,340 --> 00:27:39,700
Britain but certainly here it's more

603
00:27:42,780 --> 00:27:41,350
popular than said Athene I'm sure the

604
00:27:46,170 --> 00:27:42,790
same case is in Britain and i can't wait

605
00:27:48,090 --> 00:27:46,180
for you seriously that crashing you here

606
00:27:49,860 --> 00:27:48,100
folks is actually this wrestling going

607
00:27:51,900 --> 00:27:49,870
on on the other side of the room if it's

608
00:27:54,420 --> 00:27:51,910
not better we're a long way away for two

609
00:27:56,430 --> 00:27:54,430
out it's tough anyway no I'm looking for

610
00:27:58,320 --> 00:27:56,440
I can't wait for the new shift well Avon

611
00:28:02,670 --> 00:27:58,330
great to see you again great to see you

612
00:28:05,730 --> 00:28:02,680
do right ok been a wonderful time here

613
00:28:08,520 --> 00:28:05,740

so far at Armageddon and here in Sydney

614
00:28:10,650 --> 00:28:08,530
and I'm lucky enough to grab some time

615
00:28:12,450 --> 00:28:10,660
here with Miller Lee lovely to meet you

616
00:28:14,820 --> 00:28:12,460
another lovely to me in as well Richard

617
00:28:16,950 --> 00:28:14,830
now can you tell our listeners a little

618
00:28:19,550 --> 00:28:16,960
bit about what you've done um well most

619
00:28:22,680 --> 00:28:19,560
recently am Yuki cross in vampire knight

620
00:28:24,210 --> 00:28:22,690
written in blade of the immortal I do

621
00:28:29,090 --> 00:28:24,220
have an upcoming role in taraba rise

622
00:28:32,310 --> 00:28:29,100
Erica but rachel alucard in blazblue

623
00:28:36,360 --> 00:28:32,320
cinque in rozen maiden and rin in fate

624
00:28:37,920 --> 00:28:36,370
stay night from a game standpoint i just

625
00:28:40,920 --> 00:28:37,930
finished fallout vegas and i'll be in

626
00:28:42,780 --> 00:28:40,930
the new saints row that's stunning how

627
00:28:45,090 --> 00:28:42,790
do you keep all these in your head all

628
00:28:48,810 --> 00:28:45,100
these different roles oh we did in one

629
00:28:50,490 --> 00:28:48,820
at a time and just now i think when i

630
00:28:53,310 --> 00:28:50,500
first started i felt so lucky to have

631
00:28:55,050 --> 00:28:53,320
one or two jobs and then now i make a

632
00:28:57,090 --> 00:28:55,060
living as a voice-over artist so

633
00:28:58,530 --> 00:28:57,100
sometimes we do actually forget what

634
00:29:00,570 --> 00:28:58,540
we've done and the fans will bring

635
00:29:03,330 --> 00:29:00,580
something and ask us to autograph it and

636
00:29:05,610 --> 00:29:03,340
I go I love Marvel x-men that's great

637
00:29:10,470 --> 00:29:05,620
and they said yes you did the voice for

638
00:29:13,820 --> 00:29:10,480

the games and I oh oh I did really now I

639
00:29:18,390 --> 00:29:13,830
must come clean with little personal

640
00:29:20,880 --> 00:29:18,400
dream of mine you know I love the fact

641
00:29:23,550 --> 00:29:20,890
that you can use your voice to do the

642
00:29:26,450 --> 00:29:23,560
work and it must be so such an exciting

643
00:29:29,040 --> 00:29:26,460
and interesting line of work to deliver

644
00:29:31,530 --> 00:29:29,050
these lines and do the scripts and also

645
00:29:33,420 --> 00:29:31,540
also must be a lot of fun i imagine it

646
00:29:34,800 --> 00:29:33,430
really is people ask me when it's

647
00:29:37,950 --> 00:29:34,810
I can it's kind of like winning the

648
00:29:39,990 --> 00:29:37,960
lottery and you do you have to pinch

649
00:29:41,640 --> 00:29:40,000
yourself because as a child you don't

650
00:29:45,540 --> 00:29:41,650
dream of becoming a voice-over artist

651
00:29:47,820 --> 00:29:45,550
should even know it exists who knew how

652
00:29:49,530 --> 00:29:47,830
exciting is that now do you have an idea

653
00:29:52,410 --> 00:29:49,540
of the sort of people who like to listen

654
00:29:55,320 --> 00:29:52,420
to your voice I guess I didn't I mean

655
00:29:57,470 --> 00:29:55,330
the fans go from gorgeous lovely four

656
00:30:00,390 --> 00:29:57,480
year olds to ninety four year olds and

657
00:30:02,070 --> 00:30:00,400
funny story i was actually set up on a

658
00:30:04,170 --> 00:30:02,080
blind date with someone i became very

659
00:30:05,700 --> 00:30:04,180
good friends with he's an aerospace

660
00:30:08,640 --> 00:30:05,710
engineer and worked on the Joint Strike

661
00:30:11,430 --> 00:30:08,650
Fighter for Northrop Grumman and Italy

662
00:30:13,380 --> 00:30:11,440
and really brilliant but as we were

663
00:30:15,570 --> 00:30:13,390

having dinner and he asked me some of

664
00:30:17,430 --> 00:30:15,580
the shows i might do and and i remember

665
00:30:19,680 --> 00:30:17,440
saying homes probably nothing you've

666
00:30:23,340 --> 00:30:19,690
heard of excited could reload and and

667
00:30:24,990 --> 00:30:23,350
was naming off some shows he said really

668
00:30:27,090 --> 00:30:25,000
and he clicked on this video on demand

669
00:30:29,760 --> 00:30:27,100
on the television and there were most of

670
00:30:31,230 --> 00:30:29,770
my series so here always understanding

671
00:30:34,470 --> 00:30:31,240
that quite a lot of the people that

672
00:30:37,020 --> 00:30:34,480
listen to my shows or play the game to

673
00:30:38,850 --> 00:30:37,030
the anime our aerospace engineers and

674
00:30:41,670 --> 00:30:38,860
scientists and i think it's because we

675
00:30:43,500 --> 00:30:41,680
used to have either radio shows where

676
00:30:45,900 --> 00:30:43,510
you were read stories and in the mind

677
00:30:48,510 --> 00:30:45,910
you filled in all the illustrations and

678
00:30:49,920 --> 00:30:48,520
the world was so beautiful forget cgi

679
00:30:53,070 --> 00:30:49,930
what's in the human mind is

680
00:30:55,800 --> 00:30:53,080
extraordinary and i believe that they're

681
00:30:57,750 --> 00:30:55,810
connecting with anime and and what some

682
00:30:59,730 --> 00:30:57,760
people think is a more stilted art form

683
00:31:01,440 --> 00:30:59,740
because their brains as they're watching

684
00:31:03,330 --> 00:31:01,450
and listening it's as if they're

685
00:31:07,050 --> 00:31:03,340
listening or reading to reading a book

686
00:31:09,900 --> 00:31:07,060
and filling in this world in between

687
00:31:11,580 --> 00:31:09,910
some frames with their beautiful mind is

688
00:31:15,270 --> 00:31:11,590

that lovely expression theater of the

689
00:31:17,520 --> 00:31:15,280
mind mm-hmm it is everyone has a first

690
00:31:20,180 --> 00:31:17,530
front-row seats don't know if they're

691
00:31:24,210 --> 00:31:20,190
willing to use the tickets now do you

692
00:31:28,310 --> 00:31:24,220
normally use your regular speaking voice

693
00:31:30,879 --> 00:31:28,320
are or are you called upon to

694
00:31:33,320 --> 00:31:30,889
inventions new ways to use your voice

695
00:31:35,600 --> 00:31:33,330
well I think in the beginning when I did

696
00:31:38,269 --> 00:31:35,610
audiobook I have much more of

697
00:31:40,820 --> 00:31:38,279
continental style of speaking so I would

698
00:31:43,430 --> 00:31:40,830
do classics the scarlet letter and it

699
00:31:47,870 --> 00:31:43,440
was much more the low voice and she knew

700
00:31:50,720 --> 00:31:47,880
very very theatrical and a couple of

701
00:31:53,930 --> 00:31:50,730
years into my career I was doing some

702
00:31:56,990 --> 00:31:53,940
recording next to a producer who liked

703
00:31:59,330 --> 00:31:57,000
he said could you do more of an american

704
00:32:01,159 --> 00:31:59,340
teenager and and I thought I'd give it a

705
00:32:03,440 --> 00:32:01,169
try and the next thing I knew I was

706
00:32:05,779 --> 00:32:03,450
doing more of this kind of voice for a

707
00:32:09,409 --> 00:32:05,789
girl that just wanted to see dad really

708
00:32:14,440 --> 00:32:09,419
really and started playing american

709
00:32:16,700 --> 00:32:14,450
teenagers pretty pretty regularly is it

710
00:32:19,399 --> 00:32:16,710
is quite a standing to see you do that

711
00:32:22,549 --> 00:32:19,409
suddenly transform into an american

712
00:32:24,560 --> 00:32:22,559
teenager that's quite something and it

713
00:32:27,019 --> 00:32:24,570

you called upon more and more to do that

714
00:32:30,139 --> 00:32:27,029
sort of yes well mellow what a what a

715
00:32:31,850 --> 00:32:30,149
wonderful opportunity has been to have a

716
00:32:34,009 --> 00:32:31,860
little chat with you thank you for

717
00:32:36,080 --> 00:32:34,019
sparing some time for the podcast and i

718
00:32:37,850 --> 00:32:36,090
look forward to your next great role oh

719
00:32:39,740 --> 00:32:37,860
you're so very welcome thank you for

720
00:32:46,220 --> 00:32:39,750
having me and i look forward to my next

721
00:32:47,899 --> 00:32:46,230
great role too now I'm a little

722
00:32:49,220 --> 00:32:47,909
surprised to come across a stand here

723
00:32:51,350 --> 00:32:49,230
dr. a she's selling all sorts of

724
00:32:53,210 --> 00:32:51,360
interesting DVDs including Richard

725
00:32:56,810 --> 00:32:53,220
Dawkins growing up in the universe the

726
00:32:59,240 --> 00:32:56,820
enemies of reason and Helena and I think

727
00:33:01,159 --> 00:32:59,250
they've got everything from here who am

728
00:33:03,440 --> 00:33:01,169
I talking to you now my name's Leon Leon

729
00:33:05,090 --> 00:33:03,450
what is this all about asaram visuals of

730
00:33:07,070 --> 00:33:05,100
film Watson company based in Melbourne

731
00:33:08,990 --> 00:33:07,080
it's been going for about 23 years and

732
00:33:10,460 --> 00:33:09,000
we lost this all kinds of things with a

733
00:33:12,769 --> 00:33:10,470
main focus on anime at the moment

734
00:33:14,840 --> 00:33:12,779
although I the things of course it's

735
00:33:17,180 --> 00:33:14,850
just caught our eye are the there I say

736
00:33:19,009 --> 00:33:17,190
the skeptical or the rational the

737
00:33:20,600 --> 00:33:19,019
scientific collection you have here

738
00:33:22,610 --> 00:33:20,610

that's a very interesting line to carry

739
00:33:25,039 --> 00:33:22,620
they do really well for us here at the

740
00:33:26,389 --> 00:33:25,049
festival surprisingly they do been doing

741
00:33:27,889 --> 00:33:26,399
really well since Richard Dawkins came

742
00:33:30,350 --> 00:33:27,899
out as well as better be upsetting sales

743
00:33:32,060 --> 00:33:30,360
I'm sure there has this is a variation

744
00:33:34,499 --> 00:33:32,070
interesting collection here we've got

745
00:33:36,209 --> 00:33:34,509
the secret history of 90

746
00:33:38,459 --> 00:33:36,219
now I haven't seen that one yet and

747
00:33:40,619 --> 00:33:38,469
that's on the same step same little

748
00:33:42,149 --> 00:33:40,629
platform here is Charles Darwin what

749
00:33:44,879 --> 00:33:42,159
else do we have here another Charles

750
00:33:46,589 --> 00:33:44,889
Darwin with Richard Dawkins so I'm

751
00:33:48,539 --> 00:33:46,599
pleased that you're here and I'm pleased

752
00:33:50,699 --> 00:33:48,549
that these things are getting you some

753
00:33:52,799 --> 00:33:50,709
interest thank you and where can people

754
00:33:56,609 --> 00:33:52,809
go to find out more oh here's the

755
00:34:01,799 --> 00:33:56,619
website ww-why are in visual Khambatta

756
00:34:03,659 --> 00:34:01,809
you thank you very much thank you we're

757
00:34:05,819 --> 00:34:03,669
currently holding a melody Steve actor

758
00:34:08,430 --> 00:34:05,829
hostage in a room here in homebush and

759
00:34:10,470 --> 00:34:08,440
welcome to Armageddon not not you know

760
00:34:14,970 --> 00:34:10,480
the biblical concept but the convention

761
00:34:16,169 --> 00:34:14,980
let me go give tweak to the fact that

762
00:34:18,210 --> 00:34:16,179
I've only had time to read your bio

763
00:34:20,249 --> 00:34:18,220

between the car park in here but I'm

764
00:34:22,349 --> 00:34:20,259
intensely interested in how someone like

765
00:34:24,480 --> 00:34:22,359
yourself builds a career around doing

766
00:34:26,249 --> 00:34:24,490
the anime and the voice-over work please

767
00:34:28,200 --> 00:34:26,259
tell us about that we literally build it

768
00:34:30,599 --> 00:34:28,210
around that we always say whenever we do

769
00:34:32,129 --> 00:34:30,609
our work or any of our concepts or any

770
00:34:35,399 --> 00:34:32,139
other panels that if you want to be a

771
00:34:37,409 --> 00:34:35,409
voice actor first be an actor and I

772
00:34:38,909 --> 00:34:37,419
would say starting in stage work is as

773
00:34:42,210 --> 00:34:38,919
good as you can get you can start with

774
00:34:43,529 --> 00:34:42,220
stage if you study improv anything like

775
00:34:45,269 --> 00:34:43,539
that that helps you interact with an

776
00:34:46,919 --> 00:34:45,279
audience and think on your feet this

777
00:34:48,599 --> 00:34:46,929
will help and that's where I started i

778
00:34:50,159 --> 00:34:48,609
started in classical theatre what's your

779
00:34:52,109 --> 00:34:50,169
favorite branch of science I mean you

780
00:34:53,519 --> 00:34:52,119
worked in sci-fi a fair bit there is

781
00:34:55,829 --> 00:34:53,529
anything really tweaked your interest oh

782
00:34:58,259 --> 00:34:55,839
it would have to be exobiology wouldn't

783
00:35:00,210 --> 00:34:58,269
it yes I mean I want to know about the

784
00:35:03,299 --> 00:35:00,220
little green men but i also love geology

785
00:35:05,190 --> 00:35:03,309
i'm fascinated with volcanoes and never

786
00:35:08,279 --> 00:35:05,200
been near any good ones lately yes

787
00:35:10,259 --> 00:35:08,289
indeed I have I walked on Kilauea and we

788
00:35:12,180 --> 00:35:10,269

were walking over a lava field that was

789
00:35:13,680 --> 00:35:12,190
so new that the lava tubes are running

790
00:35:16,410 --> 00:35:13,690
under our feet and the bottoms of our

791
00:35:17,849 --> 00:35:16,420
sneakers were melting Wow but we did

792
00:35:19,859 --> 00:35:17,859
that to get out to the ocean where the

793
00:35:22,289 --> 00:35:19,869
lava was pouring out and into the water

794
00:35:24,390 --> 00:35:22,299
at night and exploding when it hit the

795
00:35:25,950 --> 00:35:24,400
seawater you how much cooler can it get

796
00:35:28,380 --> 00:35:25,960
them that it's not like that the

797
00:35:30,240 --> 00:35:28,390
geologists I can do what astronomers can

798
00:35:31,499 --> 00:35:30,250
astronomers can't easily get up there to

799
00:35:32,970 --> 00:35:31,509
touch the stuff they're looking at but

800
00:35:34,920 --> 00:35:32,980
geologists will often risk their life

801
00:35:36,809 --> 00:35:34,930
stupidly for pretty smart people to get

802
00:35:38,339 --> 00:35:36,819
close to active volcanoes astronomy is

803
00:35:40,200 --> 00:35:38,349
not what you know as a tactile

804
00:35:42,089 --> 00:35:40,210
is particularly but if you're also if

805
00:35:43,859 --> 00:35:42,099
you're a mystic and you go to Hawaii and

806
00:35:45,180 --> 00:35:43,869
you're walking on Kilauea do you know

807
00:35:47,460 --> 00:35:45,190
that you have to take a little bottle of

808
00:35:48,779 --> 00:35:47,470
booze anything will do gin rum whatever

809
00:35:50,999 --> 00:35:48,789
you've gotten off the airlines whatever

810
00:35:52,920 --> 00:35:51,009
and some flowers and lace and flowers

811
00:35:56,910 --> 00:35:52,930
down at a steam vent and pour the booze

812
00:35:59,370 --> 00:35:56,920
into the steam vent as a way of showing

813
00:36:01,349 --> 00:35:59,380

respect to Madame Pele the goddess of

814
00:36:03,599 --> 00:36:01,359
the volcano if you don't do that I'm not

815
00:36:05,190 --> 00:36:03,609
sure you're coming home wow that's some

816
00:36:07,890 --> 00:36:05,200
pretty strong galue there I mean has

817
00:36:08,999 --> 00:36:07,900
anyone and so it can be any alcohol

818
00:36:12,349 --> 00:36:09,009
beverage it can be like you know

819
00:36:15,599 --> 00:36:12,359
Bailey's hey she's my kind of girl I

820
00:36:17,160 --> 00:36:15,609
look before they burst in with the

821
00:36:19,200 --> 00:36:17,170
plasma based weapons to show us out of

822
00:36:20,910 --> 00:36:19,210
here and I'm sorry we are pushed for

823
00:36:23,460 --> 00:36:20,920
time even though it is such a palatial

824
00:36:24,809 --> 00:36:23,470
and majestic room we are in here yeah

825
00:36:26,160 --> 00:36:24,819
but we would like to know some of the

826
00:36:27,960 --> 00:36:26,170
great voices and sounds we may have

827
00:36:29,249 --> 00:36:27,970
heard you do throughout your career I

828
00:36:32,009 --> 00:36:29,259
mean let's say think of it as a

829
00:36:34,079 --> 00:36:32,019
30-second cv of an audio version we're

830
00:36:36,420 --> 00:36:34,089
looking at here any second cv well

831
00:36:37,890 --> 00:36:36,430
you've heard me on enterprise Star Trek

832
00:36:40,890 --> 00:36:37,900
Enterprise in the episode called

833
00:36:41,999 --> 00:36:40,900
kir'shara as an Andorian lieutenant are

834
00:36:43,799 --> 00:36:42,009
you sure you don't know that the earth

835
00:36:45,569 --> 00:36:43,809
men were here with the Klingons or

836
00:36:49,430 --> 00:36:45,579
whatever it was I was a very very very

837
00:36:55,469 --> 00:36:49,440
intense and Orion and in bertram on in

838
00:36:57,930 --> 00:36:55,479

Digimon and Garuda man was a very deep

839
00:36:59,579 --> 00:36:57,940
american indian sort of fellow and i

840
00:37:02,479 --> 00:36:59,589
just did in the right the unworthy

841
00:37:06,420 --> 00:37:02,489
Hopkins Exorcist film I'm one of the

842
00:37:10,620 --> 00:37:06,430
evil possessed Italian women in base

843
00:37:14,729 --> 00:37:10,630
today a magic that sort of thing oh you

844
00:37:16,680 --> 00:37:14,739
evil place so yes I can do a few voices

845
00:37:18,989 --> 00:37:16,690
now when you're doing that kind of arch

846
00:37:20,370 --> 00:37:18,999
over the top voiceover um how does a

847
00:37:21,599 --> 00:37:20,380
director go because there's so many ways

848
00:37:22,920 --> 00:37:21,609
you could go with that I mean how many

849
00:37:24,569 --> 00:37:22,930
versions of that would you've had to do

850
00:37:25,979 --> 00:37:24,579
before they went are you we got it well

851
00:37:27,329 --> 00:37:25,989
actually I think the director got

852
00:37:28,810 --> 00:37:27,339
frightened but left the room on that one

853
00:37:31,450 --> 00:37:28,820
that's what you want

854
00:37:33,580 --> 00:37:31,460
the record is pooping his pants you've

855
00:37:36,160 --> 00:37:33,590
done your job actually the best the best

856
00:37:37,900 --> 00:37:36,170
applause that I could get was when I was

857
00:37:41,800 --> 00:37:37,910
doing that particular session and I did

858
00:37:44,110 --> 00:37:41,810
an intense event with the demon there

859
00:37:46,590 --> 00:37:44,120
was dead silence for about three beats

860
00:37:50,890 --> 00:37:46,600
after I finished and then I just heard

861
00:37:53,890 --> 00:37:50,900
Wow doesn't get any better than that and

862
00:37:56,440 --> 00:37:53,900
there was one one moment in my history

863
00:37:57,880 --> 00:37:56,450

during voiceover that I loved probably

864
00:38:00,100 --> 00:37:57,890
more than any other I was working on

865
00:38:02,380 --> 00:38:00,110
alien resurrection and I was voiced

866
00:38:04,030 --> 00:38:02,390
uplink Sigourney Weaver and i'm a fan

867
00:38:06,340 --> 00:38:04,040
too we all are we grew up with this

868
00:38:08,020 --> 00:38:06,350
stuff and as they picked me and I'm

869
00:38:09,730 --> 00:38:08,030
doing the scene or I'm about to do the

870
00:38:11,830 --> 00:38:09,740
scene they said okay in the next scene

871
00:38:13,990 --> 00:38:11,840
we're going to need you you you they

872
00:38:16,390 --> 00:38:14,000
pointed at me and they said and Ripley

873
00:38:19,600 --> 00:38:16,400
you're on deck and being a stone-cold

874
00:38:21,280 --> 00:38:19,610
pro I said fine and I did my job and

875
00:38:24,820 --> 00:38:21,290
then I went out of the room and fainted

876
00:38:28,000 --> 00:38:24,830
dead away they called me rick lee is

877
00:38:30,280 --> 00:38:28,010
that exciting we love this stuff too we

878
00:38:32,500 --> 00:38:30,290
grew up with it we adore it we love the

879
00:38:35,440 --> 00:38:32,510
fans because we were fans to begin with

880
00:38:37,660 --> 00:38:35,450
we're part of a large worldwide family

881
00:38:39,490 --> 00:38:37,670
and we very much feel that the

882
00:38:41,830 --> 00:38:39,500
Australian people have welcomed us and

883
00:38:43,300 --> 00:38:41,840
they're now part of our family too we

884
00:38:45,040 --> 00:38:43,310
love you guys thanks for having us here

885
00:38:47,250 --> 00:38:45,050
and there is really nothing better than

886
00:39:02,040 --> 00:38:47,260
being paid to do what you love is there

887
00:39:06,700 --> 00:39:04,900
hey guys this is jay from the skeptics

888
00:39:09,490 --> 00:39:06,710

guide to the universe whoa whoa hold on

889
00:39:11,290 --> 00:39:09,500
whoa everybody knows I'm the only reason

890
00:39:12,460 --> 00:39:11,300
to listen to the Freak Show right I mean

891
00:39:19,210 --> 00:39:12,470
it was up to me the show would start

892
00:39:21,099 --> 00:39:19,220
with this yeah boy well Rebecca would

893
00:39:22,809 --> 00:39:21,109
hate that probably but I mean I'd rock

894
00:39:23,829 --> 00:39:22,819
that listen to our show and you can

895
00:39:25,540 --> 00:39:23,839
learn about cool stuff like a

896
00:39:27,280 --> 00:39:25,550
technological singularity which is

897
00:39:28,809 --> 00:39:27,290
someday when technology progresses so

898
00:39:30,160 --> 00:39:28,819
fast that it would make the Industrial

899
00:39:33,220 --> 00:39:30,170
Revolution look like a kid science

900
00:39:49,450 --> 00:39:33,230
project anyway come check us out at WWDC

901
00:39:52,660 --> 00:39:49,460
epic score get your son on a recent

902
00:39:55,630 --> 00:39:52,670
visit to the studios of radio 2 GB here

903
00:39:59,170 --> 00:39:55,640
in Sydney dr. H and I were surprised

904
00:40:02,470 --> 00:39:59,180
when Glenn wheeler our host told us he

905
00:40:05,530 --> 00:40:02,480
does his own psychic readings well not

906
00:40:07,599 --> 00:40:05,540
really then wheelers psycho predictions

907
00:40:10,120 --> 00:40:07,609
and generic readings are a huge hit on

908
00:40:13,839 --> 00:40:10,130
the radio station and you can listen in

909
00:40:17,380 --> 00:40:13,849
live every week on Saturday at 11pm in

910
00:40:22,470 --> 00:40:17,390
Sydney or 12 noon greenwich mean time

911
00:40:30,700 --> 00:40:22,480
for am in Los Angeles 7am in New York at

912
00:40:32,920 --> 00:40:30,710
ww two gb com I will hang on hang on can

913
00:40:34,120 --> 00:40:32,930

I just jump over Tommy they can ring

914
00:40:36,820 --> 00:40:34,130
Millie after eleven o'clock tonight

915
00:40:38,020 --> 00:40:36,830
because I eleven o'clock tonight richer

916
00:40:39,690 --> 00:40:38,030
than Roger you'll be pleased to know

917
00:40:43,870 --> 00:40:39,700
this is what happens on the program

918
00:40:46,060 --> 00:40:43,880
blank sand through the hourglass slug

919
00:40:49,210 --> 00:40:46,070
wheeler psycho prediction it's painted

920
00:40:54,210 --> 00:40:49,220
in our greetings find out what's doing

921
00:40:57,220 --> 00:40:54,220
in your life calm down on 13 1873

922
00:41:00,220 --> 00:40:57,230
learned you're very good at this claim

923
00:41:02,790 --> 00:41:00,230
their evil are carried on I'm very very

924
00:41:06,430 --> 00:41:02,800
good at a very very good at it because

925
00:41:11,430 --> 00:41:06,440
in fact well I can tell you that we've

926
00:41:19,120 --> 00:41:15,910
notice last week last week's program

927
00:41:21,130 --> 00:41:19,130
where I actually you know what that

928
00:41:22,810 --> 00:41:21,140
means is that you're you're a bit better

929
00:41:25,030 --> 00:41:22,820
than a number five like you're you're

930
00:41:26,470 --> 00:41:25,040
about to better than a number five but

931
00:41:28,990 --> 00:41:26,480
you're not quite a 10 if you know what I

932
00:41:31,540 --> 00:41:29,000
mean yes I understand yeah bo Derek was

933
00:41:33,490 --> 00:41:31,550
a 10 yeah you're not like a now can

934
00:41:35,560 --> 00:41:33,500
attest for that yeah I'm not saying

935
00:41:37,570 --> 00:41:35,570
you're not attractive and I'm not saying

936
00:41:39,160 --> 00:41:37,580
this is a any indictment whatsoever on

937
00:41:40,360 --> 00:41:39,170
you know the way you look or the way

938
00:41:42,040 --> 00:41:40,370

people perceive you because you've

939
00:41:44,590 --> 00:41:42,050
actually got a lot of friends oh yeah

940
00:41:46,450 --> 00:41:44,600
okay you've got a lot of male and female

941
00:41:48,310 --> 00:41:46,460
friends a matter of fact probably more

942
00:41:50,380 --> 00:41:48,320
female friends in my own I going Richard

943
00:41:52,300 --> 00:41:50,390
it brilliant and some of your closest

944
00:41:53,890 --> 00:41:52,310
friends a women aren't they I'm changing

945
00:41:55,630 --> 00:41:53,900
my mind right when you get together you

946
00:41:57,430 --> 00:41:55,640
like to talk don't you a generic gladly

947
00:41:59,740 --> 00:41:57,440
yeah I think it's usually now to talk a

948
00:42:01,300 --> 00:41:59,750
lot you um I'm actually feeling saw jaws

949
00:42:05,140 --> 00:42:01,310
do you do you actually talked quite a

950
00:42:08,820 --> 00:42:05,150
bit no I wouldn't close oh no no not

951
00:42:10,780 --> 00:42:08,830
really have you ever had a tooth out I

952
00:42:12,850 --> 00:42:10,790
think that's why I'm getting the pine in

953
00:42:15,010 --> 00:42:12,860
my methods it's nothing to do with your

954
00:42:16,780 --> 00:42:15,020
talking a lot actually it's scary time

955
00:42:18,620 --> 00:42:16,790
we went to identity Diana you had a

956
00:42:20,599 --> 00:42:18,630
couple of fillings as well I think if

957
00:42:23,359 --> 00:42:20,609
yeah that's right is there a crayon

958
00:42:25,069 --> 00:42:23,369
there can i see a crown no no crown I

959
00:42:27,740 --> 00:42:25,079
think the crown that I'm seeing is a

960
00:42:31,160 --> 00:42:27,750
crown of thorns starfish have you ever

961
00:42:33,799 --> 00:42:31,170
been in a situation are you do you live

962
00:42:36,259 --> 00:42:33,809
near the coast now have you ever been to

963
00:42:37,849 --> 00:42:36,269

a beachside resort for a holiday yes I

964
00:42:40,549 --> 00:42:37,859
have okay i'm seeing a crown of thorns

965
00:42:43,400 --> 00:42:40,559
starfish and they are very very

966
00:42:44,779 --> 00:42:43,410
dangerous and i'm i'm glad i can tell

967
00:42:45,980 --> 00:42:44,789
you this now but you came very very

968
00:42:47,539 --> 00:42:45,990
close to stepping on the crown-of-thorns

969
00:42:57,349 --> 00:42:47,549
starfish which is why i'm seeing the

970
00:43:03,089 --> 00:43:01,230
then this it's wonderful that you use

971
00:43:06,180 --> 00:43:03,099
that you're doing this but you do

972
00:43:08,220 --> 00:43:06,190
realize this is almost identical to what

973
00:43:10,470 --> 00:43:08,230
those out there who call themselves real

974
00:43:12,690 --> 00:43:10,480
psychics doin on call back and stuff

975
00:43:15,120 --> 00:43:12,700
like that so it's the same routine

976
00:43:17,220 --> 00:43:15,130
you're doing tongue-in-cheek they do it

977
00:43:19,710 --> 00:43:17,230
and make lots more money than I did what

978
00:43:21,210 --> 00:43:19,720
ality for those 10 minutes calls I

979
00:43:29,069 --> 00:43:21,220
should be charging what is it free like

980
00:43:31,650 --> 00:43:29,079
395 a minute with their credit card hi

981
00:43:33,809 --> 00:43:31,660
this is brian dunning from sceptile calm

982
00:43:35,670 --> 00:43:33,819
the best way to share the benefits of

983
00:43:37,349 --> 00:43:35,680
critical thinking and science with

984
00:43:40,319 --> 00:43:37,359
someone who doesn't listen to podcasts

985
00:43:42,329 --> 00:43:40,329
is to give them a book i invite you to

986
00:43:44,670 --> 00:43:42,339
check out my newest book based on

987
00:43:48,059 --> 00:43:44,680
selected episodes of the sceptile cast

988
00:43:51,569 --> 00:43:48,069

skep tied three pirates pyramids and

989
00:43:53,880 --> 00:43:51,579
papyrus 50 chapters contain something

990
00:43:56,309 --> 00:43:53,890
for everyone questions you've always

991
00:43:59,490 --> 00:43:56,319
wondered about and subject to intrigue

992
00:44:02,160 --> 00:43:59,500
and challenge your friends pirates

993
00:44:04,470 --> 00:44:02,170
pyramids and papyrus by Brian Dunning

994
00:44:06,749 --> 00:44:04,480
with a foreword by Richard Saunders of

995
00:44:09,120 --> 00:44:06,759
the Australian skeptics it's available

996
00:44:12,630 --> 00:44:09,130
now from major online booksellers as a

997
00:44:15,710 --> 00:44:12,640
paperback and as an e-book or get a

998
00:44:22,700 --> 00:44:15,720
personalized copy from sceptile com I'm

999
00:44:31,849 --> 00:44:25,700
now it's time for dr. Rachel reports

1000
00:44:34,520 --> 00:44:31,859
with dr. Rachel Dunlop hello everybody

1001
00:44:36,170 --> 00:44:34,530
and welcome to dr. Rachel reports now

1002
00:44:39,710 --> 00:44:36,180
the astute listener will detect that I

1003
00:44:42,710 --> 00:44:39,720
am NOT dr. HD i am with dr. AG and today

1004
00:44:45,140 --> 00:44:42,720
we're going to be having a look at where

1005
00:44:48,230 --> 00:44:45,150
dr. rachy does her wonderful scientific

1006
00:44:49,940 --> 00:44:48,240
research hi dr. AG hi Richard welcome to

1007
00:44:51,589 --> 00:44:49,950
the heart research institute and this

1008
00:44:52,880 --> 00:44:51,599
used to be an old telephone exchange

1009
00:44:55,400 --> 00:44:52,890
building i was just looking up in the

1010
00:44:57,050 --> 00:44:55,410
book yes it was a telephone exchange

1011
00:45:00,079 --> 00:44:57,060
building and we've been here for just

1012
00:45:02,390 --> 00:45:00,089
over a year now but it's a National

1013
00:45:04,849 --> 00:45:02,400

Trust listed building which means that

1014
00:45:07,970 --> 00:45:04,859
we had to keep all of the facade and a

1015
00:45:10,760 --> 00:45:07,980
lot of the sort of fittings and we could

1016
00:45:13,120 --> 00:45:10,770
just do up the inside so yeah it's

1017
00:45:16,070 --> 00:45:13,130
actually a really beautiful old facility

1018
00:45:17,920 --> 00:45:16,080
yeah it certainly as it looks great well

1019
00:45:20,960 --> 00:45:17,930
let's have a little look around and

1020
00:45:25,310 --> 00:45:20,970
discover exactly what you do here at the

1021
00:45:28,609 --> 00:45:25,320
Institute now we're entering us from a

1022
00:45:31,440 --> 00:45:28,619
quarantined area here this smell other

1023
00:45:33,780 --> 00:45:31,450
scientists working away in this room

1024
00:45:35,430 --> 00:45:33,790
lots of equipment around just following

1025
00:45:37,380 --> 00:45:35,440
dr. Ricci around the corner here where

1026
00:45:40,080 --> 00:45:37,390
are we now dr. AG will come into our

1027
00:45:42,780 --> 00:45:40,090
tissue culture facility now this is the

1028
00:45:45,060 --> 00:45:42,790
area where we grow all ourselves in

1029
00:45:47,550 --> 00:45:45,070
incubators so that we can do experiments

1030
00:45:50,250 --> 00:45:47,560
on the cells and some listeners might

1031
00:45:52,200 --> 00:45:50,260
have heard of the book by Rebecca Skloot

1032
00:45:55,710 --> 00:45:52,210
called The Secret Life of Henrietta

1033
00:45:58,230 --> 00:45:55,720
Lacks that book is written about a lady

1034
00:46:00,000 --> 00:45:58,240
who donated cancer cells back in the 50s

1035
00:46:02,070 --> 00:46:00,010
and they're still going they're still

1036
00:46:05,400 --> 00:46:02,080
going that's right so we have some hela

1037
00:46:07,830 --> 00:46:05,410
cells here we also have sales from say

1038
00:46:09,420 --> 00:46:07,840

from rats from mice and there's two

1039
00:46:12,240 --> 00:46:09,430
types of cells that we generally work

1040
00:46:14,280 --> 00:46:12,250
with there's one called primary cells

1041
00:46:18,030 --> 00:46:14,290
and that means that those cells are

1042
00:46:20,490 --> 00:46:18,040
extracted from a human or an animal and

1043
00:46:23,730 --> 00:46:20,500
used very quickly because they don't

1044
00:46:25,620 --> 00:46:23,740
reproduce most cells limes the other

1045
00:46:28,020 --> 00:46:25,630
type of cell lines and that means that

1046
00:46:30,390 --> 00:46:28,030
they've either a cancerous cell line or

1047
00:46:32,310 --> 00:46:30,400
they're immortal so they will grow

1048
00:46:34,980 --> 00:46:32,320
forever and ever like Henrietta Lacks

1049
00:46:36,660 --> 00:46:34,990
ourselves but primary cells are if I

1050
00:46:39,030 --> 00:46:36,670
take some of your blood and extract some

1051
00:46:40,260 --> 00:46:39,040
of your white blood cells they won't

1052
00:46:43,230 --> 00:46:40,270
grow forever because they're not

1053
00:46:44,580 --> 00:46:43,240
cancerous okay that's that's fascinating

1054
00:46:47,310 --> 00:46:44,590
i'm just looking around and i can see

1055
00:46:50,640 --> 00:46:47,320
there's a row of what looks to me being

1056
00:46:54,480 --> 00:46:50,650
there the uneducated fool that I am a

1057
00:46:56,490 --> 00:46:54,490
row of rain coach but they're not

1058
00:46:59,010 --> 00:46:56,500
raincoats what are these no these are

1059
00:47:01,140 --> 00:46:59,020
actually disposable lab coats Richard

1060
00:47:03,180 --> 00:47:01,150
these are only used in our tissue

1061
00:47:06,030 --> 00:47:03,190
culture facility because this is a

1062
00:47:08,370 --> 00:47:06,040
sterile quarantine area so we don't take

1063
00:47:09,840 --> 00:47:08,380

any of our lab coats out of here and we

1064
00:47:11,970 --> 00:47:09,850
only wear these for a certain number of

1065
00:47:14,460 --> 00:47:11,980
times and then we destroy them okay I

1066
00:47:17,040 --> 00:47:14,470
guess is to eliminate or cut down

1067
00:47:23,970 --> 00:47:17,050
potential contamination between cell

1068
00:47:29,260 --> 00:47:26,349
now we've come into another yet another

1069
00:47:31,030 --> 00:47:29,270
room here and dr. reaches just turn on

1070
00:47:33,280 --> 00:47:31,040
the light I can see there's a sort of a

1071
00:47:36,310 --> 00:47:33,290
door here with the big glass window and

1072
00:47:38,050 --> 00:47:36,320
door is wet there's condensation running

1073
00:47:41,800 --> 00:47:38,060
outside the door here Rachel what's

1074
00:47:45,010 --> 00:47:41,810
going on this is a zombie chamber okay

1075
00:47:49,880 --> 00:47:45,020
so this is the calm room Richard

1076
00:47:54,680 --> 00:47:52,040
it's supposed to be four degree we store

1077
00:47:57,080 --> 00:47:54,690
a lot of our chemicals now I'm reagents

1078
00:47:59,660 --> 00:47:57,090
in here it's pretty cool it is cold but

1079
00:48:02,240 --> 00:47:59,670
if you come to the door shut the door

1080
00:48:06,760 --> 00:48:02,250
and if you happen to get stuck in here

1081
00:48:11,360 --> 00:48:10,010
okay there's something I just on the

1082
00:48:14,360 --> 00:48:11,370
bench here in the cold room there's a

1083
00:48:17,120 --> 00:48:14,370
fascinating little strange thing looks

1084
00:48:19,130 --> 00:48:17,130
like in Star Trek it's a spinning jar of

1085
00:48:21,470 --> 00:48:19,140
some sort of liquid here so this is a

1086
00:48:23,480 --> 00:48:21,480
magnetic stirrer and all the magnetic

1087
00:48:26,390 --> 00:48:23,490
stirrer we have a beaker and inside that

1088
00:48:29,060 --> 00:48:26,400

beaker there is a little magnet which is

1089
00:48:31,430 --> 00:48:29,070
called a flea and so that spins around

1090
00:48:33,440 --> 00:48:31,440
inside the beaker which contains some

1091
00:48:35,600 --> 00:48:33,450
liquid and mixes it up that's about

1092
00:48:40,130 --> 00:48:35,610
actually inside this beaker according to

1093
00:48:41,900 --> 00:48:40,140
the lid it's got HDL Anu now HDL is good

1094
00:48:44,150 --> 00:48:41,910
cholesterol it's called high-density

1095
00:48:46,550 --> 00:48:44,160
lipoprotein and that's the good

1096
00:48:48,680 --> 00:48:46,560
cholesterol in your body that everyone's

1097
00:48:50,890 --> 00:48:48,690
trying to increase their HDL the bad

1098
00:48:54,230 --> 00:48:50,900
cholesterol is called LDL low-density

1099
00:48:56,120 --> 00:48:54,240
lipoprotein this stuff HDL is what we do

1100
00:48:58,340 --> 00:48:56,130
a lot of our work on studying in at the

1101
00:49:01,460 --> 00:48:58,350
Harbor such as to choose and I suppose

1102
00:49:04,040 --> 00:49:01,470
this room would be very nice on a hot

1103
00:49:06,420 --> 00:49:04,050
sunny Sydney day yes but it's getting a

1104
00:49:11,010 --> 00:49:06,430
bit chilly now let's go

1105
00:49:12,720 --> 00:49:11,020
utter hi now just out of the cold room

1106
00:49:14,370 --> 00:49:12,730
we're just passing by what they call the

1107
00:49:17,220 --> 00:49:14,380
hot room and there's a big sign on the

1108
00:49:18,540 --> 00:49:17,230
door caution radiation area isn't a bit

1109
00:49:21,180 --> 00:49:18,550
dangerous in there don't think you know

1110
00:49:23,760 --> 00:49:21,190
it's not dangerous we use medical

1111
00:49:26,309 --> 00:49:23,770
isotopes in here so things like I use a

1112
00:49:29,299 --> 00:49:26,319
lot of carbon-14 which is an isotope of

1113
00:49:33,140 --> 00:49:29,309

carbon I also use tritium which is a

1114
00:49:35,819 --> 00:49:33,150
nice atop of hydrogen we use some iodine

1115
00:49:37,380 --> 00:49:35,829
125 which is a little bit dangerous we

1116
00:49:38,880 --> 00:49:37,390
don't use very much of it it's all used

1117
00:49:40,799 --> 00:49:38,890
for medical research it's the kind of

1118
00:49:43,579 --> 00:49:40,809
stuff that's manufactured out at Lucas

1119
00:49:46,890 --> 00:49:43,589
Heights ah the the reactor the reactor

1120
00:49:49,740 --> 00:49:46,900
yeah we use very small quantities mostly

1121
00:49:52,740 --> 00:49:49,750
to follow the process or the movement of

1122
00:49:55,829 --> 00:49:52,750
molecules through cells it's actually a

1123
00:49:59,190 --> 00:49:55,839
very elegant technique because what you

1124
00:50:01,470 --> 00:49:59,200
can do is label a certain part of the

1125
00:50:03,720 --> 00:50:01,480
cell and then you can monitor what it

1126
00:50:06,510 --> 00:50:03,730
does by monitoring that tag which is a

1127
00:50:08,160 --> 00:50:06,520
radio labeled tag so we've got special

1128
00:50:11,309 --> 00:50:08,170
machinery to detects that radio labeled

1129
00:50:13,770 --> 00:50:11,319
tagged very sensitive machinery and so

1130
00:50:15,359 --> 00:50:13,780
if you wanted to see how a cell is

1131
00:50:17,490 --> 00:50:15,369
changing or whether it's making a

1132
00:50:19,380 --> 00:50:17,500
particular protein or not you can follow

1133
00:50:27,240 --> 00:50:19,390
them in front of this radioactive tag to

1134
00:50:29,970 --> 00:50:27,250
find out that so the microscope room dr.

1135
00:50:32,700 --> 00:50:29,980
AG and on either side of the room there

1136
00:50:36,799 --> 00:50:32,710
are two wonderfully interesting stereo

1137
00:50:39,839 --> 00:50:36,809
microscope setup with monitors attached

1138
00:50:42,089 --> 00:50:39,849

so this one here is an olympus

1139
00:50:45,510 --> 00:50:42,099
fluorescent microscope which means that

1140
00:50:48,059 --> 00:50:45,520
you can look at cells through this scope

1141
00:50:49,799 --> 00:50:48,069
and you can look at them just under

1142
00:50:52,230 --> 00:50:49,809
normal light but you can also look at

1143
00:50:54,120 --> 00:50:52,240
them under fluorescent light and by

1144
00:50:55,620 --> 00:50:54,130
exciting them at different wavelengths

1145
00:50:57,720 --> 00:50:55,630
in the fluorescence spectrum you can

1146
00:50:59,609 --> 00:50:57,730
monitor different parts of the cell and

1147
00:51:03,660 --> 00:50:59,619
different processes of the cells life

1148
00:51:05,940 --> 00:51:03,670
cycle Wow so what you can do is we can

1149
00:51:08,910 --> 00:51:05,950
buy fluorescent probes which especially

1150
00:51:11,549 --> 00:51:08,920
made compounds that if you put on to

1151
00:51:13,980 --> 00:51:11,559
your cell they will find specific parts

1152
00:51:16,109 --> 00:51:13,990
of the cell and bind and then you can

1153
00:51:18,180 --> 00:51:16,119
look at that through the microscope with

1154
00:51:20,100 --> 00:51:18,190
fluorescent light and see

1155
00:51:22,140 --> 00:51:20,110
how the cell is responding to drug

1156
00:51:23,880 --> 00:51:22,150
treatment or to some is that some of the

1157
00:51:25,950 --> 00:51:23,890
wonderful pictures I've seen that you

1158
00:51:27,870 --> 00:51:25,960
produce of the cells of beautiful

1159
00:51:29,430 --> 00:51:27,880
vibrant pictures and you can look at all

1160
00:51:32,040 --> 00:51:29,440
the details and how the cells are

1161
00:51:35,010 --> 00:51:32,050
arranged exactly yes and that's some of

1162
00:51:38,160 --> 00:51:35,020
the those pictures you've actually made

1163
00:51:40,200 --> 00:51:38,170

into earrings yes and even into earrings

1164
00:51:42,720 --> 00:51:40,210
shaped like hearts I just this is the

1165
00:51:44,850 --> 00:51:42,730
heart research institute yes yeah I've

1166
00:51:47,730 --> 00:51:44,860
spent a lot of hours in the dark on this

1167
00:51:49,950 --> 00:51:47,740
microscopy and from the recent paper i

1168
00:51:51,960 --> 00:51:49,960
published a couple of months ago many

1169
00:51:57,450 --> 00:51:51,970
much of the work was done in here in the

1170
00:52:00,570 --> 00:51:57,460
dark late at night yeah and finally

1171
00:52:03,150 --> 00:52:00,580
we've come into a giant room with bench

1172
00:52:05,940 --> 00:52:03,160
after bench after bench of scientific

1173
00:52:08,460 --> 00:52:05,950
equipment all right now Rachel can you

1174
00:52:12,210 --> 00:52:08,470
tell us specifically about what you do

1175
00:52:16,080 --> 00:52:12,220
here what is your role I have two roles

1176
00:52:17,700 --> 00:52:16,090
I am a medical researcher I am looking

1177
00:52:21,090 --> 00:52:17,710
at a couple of projects at the moment

1178
00:52:23,340 --> 00:52:21,100
one of them is Marie neuron disease I'm

1179
00:52:26,460 --> 00:52:23,350
working with a team across the world

1180
00:52:29,430 --> 00:52:26,470
we've got a collaborative group our main

1181
00:52:30,830 --> 00:52:29,440
collaborators are in America and we're

1182
00:52:33,690 --> 00:52:30,840
trying to find the links between

1183
00:52:36,390 --> 00:52:33,700
environmental triggers and motor neuron

1184
00:52:38,490 --> 00:52:36,400
disease only about five or ten percent

1185
00:52:41,400 --> 00:52:38,500
of occurrences of that disease are

1186
00:52:43,020 --> 00:52:41,410
linked to genetic causes hmmm something

1187
00:52:45,030 --> 00:52:43,030
about between nineteen ninety-five

1188
00:52:47,040 --> 00:52:45,040

percent of it is just sporadic which

1189
00:52:50,040 --> 00:52:47,050
means it happens for no apparent reason

1190
00:52:51,600 --> 00:52:50,050
yeah one of the theories that we have

1191
00:52:53,940 --> 00:52:51,610
and this is what we're working on with

1192
00:52:54,990 --> 00:52:53,950
our collaborators in the states is that

1193
00:52:57,870 --> 00:52:55,000
it might be something in the environment

1194
00:53:00,090 --> 00:52:57,880
that could trigger the disease and head

1195
00:53:02,730 --> 00:53:00,100
humans and we're looking specifically at

1196
00:53:05,640 --> 00:53:02,740
diet and we're looking at the role of a

1197
00:53:07,860 --> 00:53:05,650
bacteria or an algae called blue-green

1198
00:53:10,320 --> 00:53:07,870
algae it has been there is some evidence

1199
00:53:11,970 --> 00:53:10,330
around showing that that particular type

1200
00:53:14,340 --> 00:53:11,980
of algae can trigger motor neuron

1201
00:53:16,200 --> 00:53:14,350
disease in some people in some

1202
00:53:19,200 --> 00:53:16,210
susceptible people and it's known as

1203
00:53:22,350 --> 00:53:19,210
Guam's disease it's been covered quite a

1204
00:53:25,130 --> 00:53:22,360
bit because it was first discovered in

1205
00:53:28,670 --> 00:53:25,140
the 60s by Oliver Sacks who

1206
00:53:30,079 --> 00:53:28,680
is a famous author a neurologist and he

1207
00:53:32,960 --> 00:53:30,089
found that there was a group of people

1208
00:53:35,210 --> 00:53:32,970
on the island of Guam that were eating a

1209
00:53:37,910 --> 00:53:35,220
lot of cycad trees and these

1210
00:53:39,079 --> 00:53:37,920
psychiatry's had a high concentration of

1211
00:53:41,779 --> 00:53:39,089
this blue-green algae called

1212
00:53:44,569 --> 00:53:41,789
cyanobacteria and there's actually also

1213
00:53:47,870 --> 00:53:44,579

a link Richard to Alfred Hitchcock

1214
00:53:50,720 --> 00:53:47,880
really yeah there is in fact there may

1215
00:53:53,089 --> 00:53:50,730
be the birds that Hitchcock filmed in on

1216
00:53:55,670 --> 00:53:53,099
the coast the west coast of America yes

1217
00:53:59,509 --> 00:53:55,680
yes but there was an attack by sea birds

1218
00:54:00,799 --> 00:53:59,519
in the 1930s from Santa Cruz and it was

1219
00:54:02,809 --> 00:54:00,809
three o'clock in the morning all these

1220
00:54:05,329 --> 00:54:02,819
sea birds came to the shore and where

1221
00:54:07,759 --> 00:54:05,339
people walked out to investigate the

1222
00:54:09,740 --> 00:54:07,769
noise and was shining torches and these

1223
00:54:11,390 --> 00:54:09,750
birds were flying towards the light so

1224
00:54:13,190 --> 00:54:11,400
they thought that they were attacking

1225
00:54:15,230 --> 00:54:13,200
them now it was originally thought that

1226
00:54:16,609 --> 00:54:15,240
they were disorientated because of fog

1227
00:54:18,620 --> 00:54:16,619
then afterwards it was thought that

1228
00:54:20,450 --> 00:54:18,630
they'd actually consumed anchovies that

1229
00:54:22,609 --> 00:54:20,460
were contaminated with this algae oh

1230
00:54:25,250 --> 00:54:22,619
well and they'd become disorientated and

1231
00:54:26,839 --> 00:54:25,260
and got a little bit mad and sort of

1232
00:54:28,490 --> 00:54:26,849
flew into the shore and and we're

1233
00:54:29,870 --> 00:54:28,500
bashing into walls and humans and

1234
00:54:31,160 --> 00:54:29,880
anything so they weren't deliberately

1235
00:54:33,230 --> 00:54:31,170
attacking humans they were just

1236
00:54:35,450 --> 00:54:33,240
disorientated we think that something

1237
00:54:37,039 --> 00:54:35,460
similar might happen with humans not

1238
00:54:38,859 --> 00:54:37,049

that they go mad and fly around but that

1239
00:54:42,019 --> 00:54:38,869
they can get a neurological disorder

1240
00:54:44,630 --> 00:54:42,029
from consuming this algae wrong stuff

1241
00:54:46,430 --> 00:54:44,640
yeah so that's one of my projects the

1242
00:54:48,740 --> 00:54:46,440
other project is looking at damaged

1243
00:54:52,370 --> 00:54:48,750
proteins in heart disease and also in

1244
00:54:53,870 --> 00:54:52,380
aging so most most of us when we have

1245
00:54:56,390 --> 00:54:53,880
proteins are whizzing around our body

1246
00:54:58,370 --> 00:54:56,400
doing their job once they get damaged or

1247
00:55:00,049 --> 00:54:58,380
they get old they get broken down in

1248
00:55:02,599 --> 00:55:00,059
their components which are called a

1249
00:55:04,700 --> 00:55:02,609
minor acids get recycled now in some

1250
00:55:06,859 --> 00:55:04,710
cases like in heart disease these

1251
00:55:08,569 --> 00:55:06,869
proteins don't get broken down and they

1252
00:55:11,210 --> 00:55:08,579
end up building up and sticking together

1253
00:55:13,220 --> 00:55:11,220
like a bunch of junk in your cells and

1254
00:55:15,049 --> 00:55:13,230
then your cells get so full of this junk

1255
00:55:17,420 --> 00:55:15,059
they can't function anymore and so they

1256
00:55:21,559 --> 00:55:17,430
actually commit suicide so cell suicide

1257
00:55:23,539 --> 00:55:21,569
is it's a term used called apoptosis and

1258
00:55:26,029 --> 00:55:23,549
that's when there's a whole series of

1259
00:55:28,069 --> 00:55:26,039
things that happen in the cell that

1260
00:55:30,319 --> 00:55:28,079
caused it to commit suicide and by

1261
00:55:32,509 --> 00:55:30,329
committing suicide it causes less damage

1262
00:55:33,980 --> 00:55:32,519
to the rest of the cells around it then

1263
00:55:36,470 --> 00:55:33,990

official would just burst and release

1264
00:55:37,470 --> 00:55:36,480
its contents so it kind of eats itself

1265
00:55:39,720 --> 00:55:37,480
in a way

1266
00:55:42,570 --> 00:55:39,730
and disposes of itself in a nice clean

1267
00:55:44,609 --> 00:55:42,580
way this buildup of damaged proteins

1268
00:55:47,160 --> 00:55:44,619
occurs in your arteries when you get

1269
00:55:49,320 --> 00:55:47,170
heart disease and it's been thought that

1270
00:55:51,000 --> 00:55:49,330
just might be a byproduct of heart

1271
00:55:54,120 --> 00:55:51,010
disease it's never really been knowing

1272
00:55:56,780 --> 00:55:54,130
if that would contribute to the disease

1273
00:55:58,859 --> 00:55:56,790
at all so originally we thought these

1274
00:56:01,320 --> 00:55:58,869
proteins that stick around in your

1275
00:56:03,450 --> 00:56:01,330
arteries and sort of build up might just

1276
00:56:06,000 --> 00:56:03,460
be observers and do no more damage than

1277
00:56:07,440 --> 00:56:06,010
just start to reduce the sort of size of

1278
00:56:09,390 --> 00:56:07,450
your artery which is a problem as well

1279
00:56:11,700 --> 00:56:09,400
but that they didn't actually contribute

1280
00:56:13,740 --> 00:56:11,710
to the progression of the disease but

1281
00:56:16,620 --> 00:56:13,750
now we think that they might contribute

1282
00:56:19,530 --> 00:56:16,630
to the disease becoming worse because

1283
00:56:21,359 --> 00:56:19,540
they're causing cells to die and so that

1284
00:56:23,670 --> 00:56:21,369
can cause the disease to actually get

1285
00:56:25,470 --> 00:56:23,680
worse than if they weren't around and

1286
00:56:27,210 --> 00:56:25,480
this also applies to other aging

1287
00:56:29,460 --> 00:56:27,220
disorders for example Alzheimer's

1288
00:56:32,099 --> 00:56:29,470

disease and Parkinson's disease because

1289
00:56:35,400 --> 00:56:32,109
both those diseases also result in a

1290
00:56:39,060 --> 00:56:35,410
buildup of these sticky gunky kind of

1291
00:56:41,370 --> 00:56:39,070
junky proteins seriously folks dr.

1292
00:56:43,109 --> 00:56:41,380
Rachel you know and love her from her

1293
00:56:46,500 --> 00:56:43,119
doctor Rachel reports and the think tank

1294
00:56:48,359 --> 00:56:46,510
but when she's not doing that wonderful

1295
00:56:51,180 --> 00:56:48,369
work for us she is here at the heart

1296
00:56:53,430 --> 00:56:51,190
Research Institute working very hard for

1297
00:56:56,730 --> 00:56:53,440
our long-term benefit I must say now dr.

1298
00:57:00,630 --> 00:56:56,740
rachy how can people find out more about

1299
00:57:02,280 --> 00:57:00,640
this wonderful institution well I'm glad

1300
00:57:04,080 --> 00:57:02,290
you asked that question Richard because

1301
00:57:06,900 --> 00:57:04,090
we've just launched our Facebook page

1302
00:57:10,890 --> 00:57:06,910
and a couple of days ago it's at

1303
00:57:13,890 --> 00:57:10,900
facebook.com forward slash HRI a ust so

1304
00:57:17,310 --> 00:57:13,900
HR I aust we also now have a Twitter

1305
00:57:20,070 --> 00:57:17,320
feed as well and that's at HR iust as

1306
00:57:22,950 --> 00:57:20,080
well and our YouTube channel is also HR

1307
00:57:25,050 --> 00:57:22,960
i Iost so we're all the same name across

1308
00:57:27,780 --> 00:57:25,060
YouTube Facebook and Twitter and I'm

1309
00:57:29,700 --> 00:57:27,790
running the twitter feed I also did set

1310
00:57:33,090 --> 00:57:29,710
up the facebook page so please come

1311
00:57:35,010 --> 00:57:33,100
along like us follow us on twitter and

1312
00:57:36,599 --> 00:57:35,020
you can keep up to date with what's

1313
00:57:38,190 --> 00:57:36,609

happening what research is happening

1314
00:57:40,530 --> 00:57:38,200
here there's also lots of information

1315
00:57:42,390 --> 00:57:40,540
already up there on what our scientists

1316
00:57:43,980 --> 00:57:42,400
do the other groups that work here and

1317
00:57:45,930 --> 00:57:43,990
some of the fundraising activities that

1318
00:57:48,090 --> 00:57:45,940
we do here I posted a picture this

1319
00:57:50,200 --> 00:57:48,100
morning on the Twitter feed of a penguin

1320
00:57:52,390 --> 00:57:50,210
with a love heart first

1321
00:57:54,700 --> 00:57:52,400
8 on its prey so I suggest you go it's

1322
00:57:57,099 --> 00:57:54,710
really cute have a look at that so the

1323
00:57:59,079 --> 00:57:57,109
links to all those places decoration

1324
00:58:01,630 --> 00:57:59,089
just mentioned will be on the show notes

1325
00:58:03,670 --> 00:58:01,640
on the website for this episode and also

1326
00:58:05,740 --> 00:58:03,680
in the newsletter dr. HC what a

1327
00:58:08,040 --> 00:58:05,750
privilege it's been to have a wander

1328
00:58:10,240 --> 00:58:08,050
around your wonderful lab here and

1329
00:58:15,259 --> 00:58:10,250
congratulations on all the good work

1330
00:58:20,779 --> 00:58:18,019
dr. Rachel Dunlop is one of Australia's

1331
00:58:22,209 --> 00:58:20,789
foremost media commentators in matters

1332
00:58:24,769 --> 00:58:22,219
concerning so-called alternative

1333
00:58:28,549 --> 00:58:24,779
medicine she has appeared on national

1334
00:58:30,859 --> 00:58:28,559
radio and national television dr. H E is

1335
00:58:34,789 --> 00:58:30,869
available for interviews and you can

1336
00:58:44,190 --> 00:58:34,799
contact her at Rachel at skeptic zone

1337
00:58:49,540 --> 00:58:47,440
hello and Allah needle on solo scoffs of

1338
00:58:51,910 --> 00:58:49,550

deployment been to at low so another

1339
00:58:57,220 --> 00:58:51,920
skeptics on for way to stop and katie

1340
00:59:13,730 --> 00:58:57,230
schneider moving from RC Connor we may

1341
00:59:20,880 --> 00:59:16,710
thank you for listening to a packed a

1342
00:59:23,550 --> 00:59:20,890
packed skeptic zone this week next week

1343
00:59:26,819 --> 00:59:23,560
we have a report from Maynard where he

1344
00:59:30,030 --> 00:59:26,829
chats to a heart transplant recipient

1345
00:59:33,270 --> 00:59:30,040
very interesting stuff and just a note

1346
00:59:35,609 --> 00:59:33,280
from me that you can see some of the

1347
00:59:38,940 --> 00:59:35,619
other stuff I do by visiting my youtube

1348
00:59:41,670 --> 00:59:38,950
channel skeptics own podcast or if you

1349
00:59:44,790 --> 00:59:41,680
go to itunes and run a search for video

1350
00:59:47,309 --> 00:59:44,800
origami there's a little app there or a

1351
00:59:49,500 --> 00:59:47,319
couple of apps where my friend gary

1352
00:59:51,000 --> 00:59:49,510
clark and myself demonstrating and

1353
00:59:53,790 --> 00:59:51,010
teaching you how to fold lots of

1354
00:59:56,460 --> 00:59:53,800
wonderful origami models might be of

1355
00:59:58,680 --> 00:59:56,470
interest anyway for now this is Richard

1356
01:00:04,559 --> 00:59:58,690
Saunders signing off from Sydney

1357
01:00:09,270 --> 01:00:04,569
Australia you've been listening to the

1358
01:00:13,079 --> 01:00:09,280
skeptic zone visit her website at www