

1
00:00:05,960 --> 00:00:11,919
welcome to the skeptic zone the podcast

2
00:00:09,119 --> 00:00:23,278
from Australia for science and reason

3
00:00:11,919 --> 00:00:26,439
[Music]

4
00:00:23,278 --> 00:00:31,239
yes the skeptic zone podcast episode

5
00:00:26,439 --> 00:00:33,730
number 540 you know that's a that's

6
00:00:31,239 --> 00:00:37,808
quite an effort even if I do say so

7
00:00:33,729 --> 00:00:39,789
myself but but my friends Gio George

8
00:00:37,808 --> 00:00:43,869
Robert the geologic podcast just

9
00:00:39,789 --> 00:00:47,280
released episode 600 congratulations

10
00:00:43,869 --> 00:00:50,408
George Rob what a guy what a fantastic

11
00:00:47,280 --> 00:00:53,320
podcaster you are a great musician and a

12
00:00:50,408 --> 00:00:55,119
good and dear friend and it's really

13
00:00:53,320 --> 00:00:57,030
nice to have you as a colleague and to

14
00:00:55,119 --> 00:01:00,928
meet you occasionally around the world

15
00:00:57,030 --> 00:01:00,929
congratulations George Rob

16
00:01:03,659 --> 00:01:10,868
but getting back to the skeptics in

17
00:01:06,039 --> 00:01:12,579
episode 544 the 23rd of February 2019

18
00:01:10,868 --> 00:01:15,280
which had Saunders here with you from

19
00:01:12,579 --> 00:01:18,609
Sydney Australia today's weather report

20
00:01:15,280 --> 00:01:21,269
overcast and a bit of rain coming up on

21
00:01:18,609 --> 00:01:23,469
this week's show now you may remember

22
00:01:21,269 --> 00:01:25,810
about three years ago there was a

23
00:01:23,469 --> 00:01:30,188
chiropractor here in Australia in hot

24
00:01:25,810 --> 00:01:32,799
water for treating a baby and the baby

25
00:01:30,188 --> 00:01:35,609
was seen in a video to be in discomfort

26
00:01:32,799 --> 00:01:39,540
and distress as the chiropractor

27
00:01:35,609 --> 00:01:41,769
manipulated this baby's back well its

28
00:01:39,540 --> 00:01:43,960
history repeating itself another

29

00:01:41,769 --> 00:01:49,989
chiropractor has been busted treating a

30
00:01:43,959 --> 00:01:53,438
two week old baby using a bizarre device

31
00:01:49,989 --> 00:01:55,390
called an activator and we're going to

32
00:01:53,438 --> 00:01:57,609
be looking at this device and looking at

33
00:01:55,390 --> 00:02:00,180
the issue today on the sceptic zone

34
00:01:57,609 --> 00:02:03,069
talking about chiropractic with a news

35
00:02:00,180 --> 00:02:06,130
immediate report about this chiropractor

36
00:02:03,069 --> 00:02:09,549
you'll hear the audio from the video and

37
00:02:06,129 --> 00:02:11,289
we talked to dr. John Cunningham who has

38
00:02:09,549 --> 00:02:14,530
received the order of Australia and

39
00:02:11,289 --> 00:02:16,659
quoting from his website has committed

40
00:02:14,530 --> 00:02:18,939
his professional life to the treatment

41
00:02:16,659 --> 00:02:20,889
of patients with spinal disorders his

42
00:02:18,939 --> 00:02:23,739
opinion and knowledge of spinal

43
00:02:20,889 --> 00:02:26,919

disorders especially those of the aging

44

00:02:23,739 --> 00:02:30,400

spine spinal trauma and spinal imbalance

45

00:02:26,919 --> 00:02:34,149

are respected worldwide now John will

46

00:02:30,400 --> 00:02:36,489

talk to us a bit later on with his views

47

00:02:34,150 --> 00:02:38,709

on this chiropractor and chiropractic

48

00:02:36,489 --> 00:02:40,688

treatment and after that interview I

49

00:02:38,709 --> 00:02:41,979

read from the skeptic magazine a report

50

00:02:40,688 --> 00:02:45,669

done a couple of years ago by Tim

51

00:02:41,979 --> 00:02:46,810

Mendham comparing what chiropractors

52

00:02:45,669 --> 00:02:49,389

have to go through for their

53

00:02:46,810 --> 00:02:51,819

professional training compared to GPS

54

00:02:49,389 --> 00:02:53,619

with a contribution by dr. John

55

00:02:51,818 --> 00:02:55,539

Cunningham so the first part of this

56

00:02:53,620 --> 00:02:59,230

week's show is given over to

57

00:02:55,539 --> 00:03:00,969

chiropractic and after that we have

58
00:02:59,229 --> 00:03:03,459
Maynard spooky action

59
00:03:00,969 --> 00:03:05,739
Maynard does a follow up to the report

60
00:03:03,459 --> 00:03:07,598
that Trish Han did all about three or

61
00:03:05,739 --> 00:03:11,170
four weeks ago where she interviewed dr.

62
00:03:07,598 --> 00:03:13,449
Brad Makai about pill testing this is

63
00:03:11,169 --> 00:03:16,988
where there's a movement here in this

64
00:03:13,449 --> 00:03:20,530
state New South Wales to have pills

65
00:03:16,989 --> 00:03:22,900
tested at music festivals so when people

66
00:03:20,530 --> 00:03:26,500
who buy drugs for whatever reason and

67
00:03:22,900 --> 00:03:29,289
people do go along to these outdoor

68
00:03:26,500 --> 00:03:31,180
festivals or indoor festivals and a

69
00:03:29,289 --> 00:03:33,459
prone to take a pill well at least

70
00:03:31,180 --> 00:03:34,930
there's a movement afoot to have these

71
00:03:33,459 --> 00:03:38,259
pills tested to see if they have

72
00:03:34,930 --> 00:03:38,739
poisonous or at least could do great

73
00:03:38,259 --> 00:03:41,048
harm

74
00:03:38,739 --> 00:03:44,109
now main out a couple of days ago

75
00:03:41,049 --> 00:03:46,540
attended a talk a meeting on this

76
00:03:44,109 --> 00:03:48,159
subject he catches up with Shane green

77
00:03:46,539 --> 00:03:50,679
up an old friend of the skeptic zone who

78
00:03:48,159 --> 00:03:54,359
was there another speaker by the name of

79
00:03:50,680 --> 00:03:58,480
Sophie who has a very personal and

80
00:03:54,359 --> 00:04:00,510
relevant story to relate and also dr.

81
00:03:58,479 --> 00:04:04,478
Alex Ward act who is an advocate for

82
00:04:00,509 --> 00:04:06,578
pill testing at festivals and just to

83
00:04:04,479 --> 00:04:09,459
make it absolutely clear the skeptic

84
00:04:06,579 --> 00:04:12,639
zone is not repeat not advocating the

85
00:04:09,459 --> 00:04:15,009
taking of any illegal drugs at festivals

86

00:04:12,639 --> 00:04:18,090
or anywhere else however this is a

87
00:04:15,009 --> 00:04:21,009
relevant issue and it relies heavily on

88
00:04:18,089 --> 00:04:22,629
science and getting to the facts so I

89
00:04:21,009 --> 00:04:24,788
think it's a topic well worth covering

90
00:04:22,629 --> 00:04:27,430
then to round off the show I read a

91
00:04:24,788 --> 00:04:30,158
press statement a position statement by

92
00:04:27,430 --> 00:04:33,430
the Australian skeptics Inc about gay

93
00:04:30,158 --> 00:04:38,250
conversion therapy and moves in the

94
00:04:33,430 --> 00:04:41,500
state of Victoria to ban this bizarre

95
00:04:38,250 --> 00:04:43,329
controversial therapy let's right at the

96
00:04:41,500 --> 00:04:46,120
end of the show stay tuned

97
00:04:43,329 --> 00:04:49,269
do you stay tuned on a podcast

98
00:04:46,120 --> 00:04:52,930
do you stay it's a term that it's going

99
00:04:49,269 --> 00:04:55,089
to be around for years and decades after

100
00:04:52,930 --> 00:04:58,180

its original meaning has been lost stay

101

00:04:55,089 --> 00:05:01,329

tuned I mean we use lots of terms in

102

00:04:58,180 --> 00:05:03,240

modern language from centuries ago so

103

00:05:01,329 --> 00:05:04,599

maybe stay tuned we'll be one of them

104

00:05:03,240 --> 00:05:06,879

hmm

105

00:05:04,600 --> 00:05:09,460

stay tuned at the end of the show for

106

00:05:06,879 --> 00:05:11,290

more announcements from me but now it's

107

00:05:09,459 --> 00:05:15,899

time for me to run downstairs where are

108

00:05:11,290 --> 00:05:15,900

those cats let me open the studio door

109

00:05:17,959 --> 00:05:24,069

[Music]

110

00:05:19,560 --> 00:05:25,899

nothing I think they've got better

111

00:05:24,069 --> 00:05:28,449

things to do time for me to run

112

00:05:25,899 --> 00:05:30,189

downstairs have a nice cup of black

113

00:05:28,449 --> 00:05:32,709

coffee I'm trying black coffee for a

114

00:05:30,189 --> 00:05:35,410

while might help the old vocal cords

115
00:05:32,709 --> 00:05:36,689
while I do that I hope you enjoy the

116
00:05:35,410 --> 00:05:43,970
skeptical zone

117
00:05:36,689 --> 00:05:47,028
[Music]

118
00:05:43,970 --> 00:05:47,029
[Applause]

119
00:05:56,519 --> 00:06:02,680
making news here in Australia over the

120
00:05:59,290 --> 00:06:04,290
last week has been the story of a

121
00:06:02,680 --> 00:06:08,250
chiropractor in the state of Victoria

122
00:06:04,290 --> 00:06:13,870
who had himself filmed treating a two

123
00:06:08,250 --> 00:06:16,870
week old baby the video has gone viral

124
00:06:13,870 --> 00:06:19,990
with people being shocked and outraged

125
00:06:16,870 --> 00:06:24,300
by what they have seen now the video is

126
00:06:19,990 --> 00:06:26,740
very short but here's the audio from it

127
00:06:24,300 --> 00:06:29,680
the next the way the poet talked about

128
00:06:26,740 --> 00:06:32,370
okay alright so then maybe if you hold

129
00:06:29,680 --> 00:06:35,920
here I'm gonna hold I'm locking in here

130
00:06:32,370 --> 00:06:39,100
and Kelly alright so I'm just gonna go

131
00:06:35,920 --> 00:06:40,420
upside down for a second yeah yeah we go

132
00:06:39,100 --> 00:06:42,730
back down just hold his head thanks

133
00:06:40,420 --> 00:06:46,270
spinner perfect now we're gonna go on to

134
00:06:42,730 --> 00:06:48,340
this side and then again if you can just

135
00:06:46,269 --> 00:06:50,229
hold him there we're gonna use the

136
00:06:48,339 --> 00:06:52,029
activator on the lowest setting I'm

137
00:06:50,230 --> 00:06:55,930
going to show you on your hand here so

138
00:06:52,029 --> 00:06:57,219
it's that okay that that's the lowest

139
00:06:55,930 --> 00:07:02,400
freeing we're gonna put that on the side

140
00:06:57,220 --> 00:07:02,400
here and we're gonna come into here so

141
00:07:09,269 --> 00:07:13,479
in that video the chiropractor and drew

142
00:07:12,639 --> 00:07:16,870
Arnold

143

00:07:13,480 --> 00:07:19,720
at one stage held the tiny baby upside

144
00:07:16,870 --> 00:07:22,240
down by its feet and then proceeded to

145
00:07:19,720 --> 00:07:24,910
use what chiropractors call an activator

146
00:07:22,240 --> 00:07:26,650
which is an bizarre looking instrument

147
00:07:24,910 --> 00:07:30,790
sort of like Doctor Who's sonic

148
00:07:26,649 --> 00:07:33,519
screwdriver with the handles to tap or

149
00:07:30,790 --> 00:07:35,830
send impulses into the baby that's when

150
00:07:33,519 --> 00:07:39,039
the baby started crying we pick up the

151
00:07:35,829 --> 00:07:41,109
story here from Caitlin offer the

152
00:07:39,040 --> 00:07:43,800
Australian Associated Press has

153
00:07:41,110 --> 00:07:46,060
published at news calm today.you

154
00:07:43,800 --> 00:07:48,759
chiropractor banned from treating

155
00:07:46,060 --> 00:07:51,069
children after controversial work on

156
00:07:48,759 --> 00:07:53,230
baby a Melbourne chiropractor who

157
00:07:51,069 --> 00:07:55,389

treated a newborn baby in a

158

00:07:53,230 --> 00:07:57,310

Erol video has been banned from working

159

00:07:55,389 --> 00:08:00,849

on young children while he's

160

00:07:57,310 --> 00:08:03,879

investigated this story was published on

161

00:08:00,850 --> 00:08:06,340

the 21st of February a Melbourne

162

00:08:03,879 --> 00:08:09,670

chiropractor filmed manipulating a two

163

00:08:06,339 --> 00:08:12,399

week old boy must not treat children

164

00:08:09,670 --> 00:08:16,330

under 12 while he is investigated by

165

00:08:12,399 --> 00:08:19,449

authorities andrew arnold was put on an

166

00:08:16,329 --> 00:08:22,719

undertaking by the chiropractic Board of

167

00:08:19,449 --> 00:08:24,759

Australia on Thursday quote I will not

168

00:08:22,720 --> 00:08:27,340

undertake any chiropractic treatment of

169

00:08:24,759 --> 00:08:29,709

children from birth to 12 years end

170

00:08:27,339 --> 00:08:31,089

quote the undertaking published on the

171

00:08:29,709 --> 00:08:34,240

Australian health practitioner

172
00:08:31,089 --> 00:08:37,659
regulation agency website reads quote I

173
00:08:34,240 --> 00:08:40,539
will not publish display promote or

174
00:08:37,659 --> 00:08:43,179
provide materials information or advice

175
00:08:40,539 --> 00:08:45,610
that relates to the assessment

176
00:08:43,179 --> 00:08:48,279
management or treatment of children from

177
00:08:45,610 --> 00:08:50,950
birth to 12 years including but not

178
00:08:48,279 --> 00:08:54,399
limited to the publication of material

179
00:08:50,950 --> 00:08:57,190
on social media blogs and or any other

180
00:08:54,399 --> 00:08:58,629
platform on the Internet in quote mr.

181
00:08:57,190 --> 00:09:01,440
Arnold will be the subject of an

182
00:08:58,629 --> 00:09:04,149
investigation by the agency and board

183
00:09:01,440 --> 00:09:07,540
Victorian Health Minister Jenny macaco

184
00:09:04,149 --> 00:09:11,019
said Ms makiko's yesterday cited the

185
00:09:07,539 --> 00:09:13,990
quote extremely disturbing end quote

186
00:09:11,019 --> 00:09:18,970
video after referring mr. Arnold to the

187
00:09:13,990 --> 00:09:21,669
national authorities and as an aside if

188
00:09:18,970 --> 00:09:25,029
you simply google Australian

189
00:09:21,669 --> 00:09:28,899
chiropractor baby or even chiropractor

190
00:09:25,029 --> 00:09:31,990
baby you probably easily find the video

191
00:09:28,899 --> 00:09:35,649
in question on Thursday she confirmed

192
00:09:31,990 --> 00:09:37,659
she had heard back from the AHPRA and

193
00:09:35,649 --> 00:09:40,600
the chiropractic Board of Australia

194
00:09:37,659 --> 00:09:43,360
quote they are investigating this matter

195
00:09:40,600 --> 00:09:45,759
and in fact I have invited them to meet

196
00:09:43,360 --> 00:09:47,860
with me and I will be meeting with both

197
00:09:45,759 --> 00:09:50,819
the chairperson of the chiropractic

198
00:09:47,860 --> 00:09:53,680
Board of Australia and the CEO of the

199
00:09:50,820 --> 00:09:56,410
AHPRA next weekend quote she told

200

00:09:53,679 --> 00:09:58,689
reporters quote I am concerned by this

201
00:09:56,409 --> 00:10:00,850
particular case but I also want to

202
00:09:58,690 --> 00:10:02,820
ensure there aren't other chiropractors

203
00:10:00,850 --> 00:10:05,259
around Australia who are similarly

204
00:10:02,820 --> 00:10:07,060
undertaking these types of practices

205
00:10:05,259 --> 00:10:09,279
it's very important

206
00:10:07,059 --> 00:10:11,439
the board does issue very clear advice

207
00:10:09,279 --> 00:10:14,350
to all chiropractors in Australia about

208
00:10:11,440 --> 00:10:16,870
the inherent risks associated with these

209
00:10:14,350 --> 00:10:20,019
types of practices end quote

210
00:10:16,870 --> 00:10:22,149
crane born family chiropractic has since

211
00:10:20,019 --> 00:10:24,909
shut down its Facebook page where the

212
00:10:22,149 --> 00:10:26,980
video is posted in August it also showed

213
00:10:24,909 --> 00:10:29,259
mr. Arnold using an instrument to

214
00:10:26,980 --> 00:10:32,200

deliver a controlled impulse on the

215

00:10:29,259 --> 00:10:34,450

baby's neck and back causing it to

216

00:10:32,200 --> 00:10:36,879

scream one of the baby's parents is

217

00:10:34,450 --> 00:10:39,550

believed to be off-camera as mr. Arnold

218

00:10:36,879 --> 00:10:42,879

talks through the consultation and warns

219

00:10:39,549 --> 00:10:46,059

quote he the baby is going to squawk a

220

00:10:42,879 --> 00:10:48,580

bit in quote mr. Arnold and the clinic

221

00:10:46,059 --> 00:10:50,049

have been contacted for comment the

222

00:10:48,580 --> 00:10:52,629

Royal Australian College of General

223

00:10:50,049 --> 00:10:54,849

Practitioners President Harry Ness Palin

224

00:10:52,629 --> 00:10:58,240

has called on government authorities to

225

00:10:54,850 --> 00:11:00,250

ban the practice quote the government

226

00:10:58,240 --> 00:11:02,259

must start looking at this very

227

00:11:00,250 --> 00:11:03,940

carefully and decide whether or not they

228

00:11:02,259 --> 00:11:05,889

think it is okay to perform this

229
00:11:03,940 --> 00:11:07,630
treatment on a baby in quote the

230
00:11:05,889 --> 00:11:08,620
chiropractic Board of Australia and the

231
00:11:07,629 --> 00:11:12,070
AHPRA

232
00:11:08,620 --> 00:11:13,750
have been contacted for comment now

233
00:11:12,070 --> 00:11:16,920
doing a little bit of digging around I

234
00:11:13,750 --> 00:11:20,769
came across the website of smart methods

235
00:11:16,919 --> 00:11:23,919
come to Australia's home of activator

236
00:11:20,769 --> 00:11:26,639
this is the device in question if you go

237
00:11:23,919 --> 00:11:28,839
to that web page or you look search for

238
00:11:26,639 --> 00:11:31,210
chiropractic activator you see the

239
00:11:28,840 --> 00:11:33,519
device again it looks like some sort of

240
00:11:31,210 --> 00:11:37,269
weird sonic screwdriver with handles and

241
00:11:33,519 --> 00:11:39,569
the website states the activator method

242
00:11:37,269 --> 00:11:42,220
is one of the most widely researched

243
00:11:39,570 --> 00:11:45,340
chiropractic techniques and the only

244
00:11:42,220 --> 00:11:47,550
instrument adjusting technique with 23

245
00:11:45,340 --> 00:11:50,620
clinical trials to support its efficacy

246
00:11:47,549 --> 00:11:53,229
activator methods has published hundreds

247
00:11:50,620 --> 00:11:55,990
of clinical and scientific peer-reviewed

248
00:11:53,230 --> 00:11:58,750
papers worked with major academic

249
00:11:55,990 --> 00:12:01,659
research institutions and received

250
00:11:58,750 --> 00:12:06,429
grants from recognized entities like the

251
00:12:01,659 --> 00:12:08,379
USA's National Institutes of Health and

252
00:12:06,429 --> 00:12:12,819
having a quick look at their online

253
00:12:08,379 --> 00:12:15,970
store activator Australia the activator

254
00:12:12,820 --> 00:12:20,559
for easy grip chiropractic adjustment

255
00:12:15,970 --> 00:12:24,579
tool \$1,300

256
00:12:20,558 --> 00:12:28,238
it says in part the activator 4 or IV

257

00:12:24,578 --> 00:12:30,818
easy easy grip is especially designed

258
00:12:28,239 --> 00:12:34,239
for practitioners with smaller hands hmm

259
00:12:30,818 --> 00:12:37,238
the easy grip solution has a shorter

260
00:12:34,239 --> 00:12:39,778
reach between palm and finger pads which

261
00:12:37,239 --> 00:12:43,499
will give the leverage needed without

262
00:12:39,778 --> 00:12:48,369
undue hand strain oh isn't that nice at

263
00:12:43,499 --> 00:12:51,359
it's comfortable to use the base model

264
00:12:48,369 --> 00:12:53,949
as far as I can see the activator one

265
00:12:51,359 --> 00:12:56,408
chiropractic adjustment tool is a

266
00:12:53,948 --> 00:13:01,478
bargain at only four hundred and fifty

267
00:12:56,408 --> 00:13:04,208
dollars and on the page that says what

268
00:13:01,479 --> 00:13:05,780
activator do I need we find the

269
00:13:04,208 --> 00:13:08,928
following video

270
00:13:05,779 --> 00:13:08,928
[Music]

271
00:13:11,940 --> 00:13:17,910

hello I'm dr. Arlen for co-founder and

272

00:13:15,629 --> 00:13:20,250

developer of the activator method in

273

00:13:17,909 --> 00:13:21,839

nearly five decades the activator method

274

00:13:20,250 --> 00:13:24,450

has grown to become the world's number

275

00:13:21,840 --> 00:13:26,250

one instrument adjusting technique the

276

00:13:24,450 --> 00:13:28,410

mainstay of this gentle low force

277

00:13:26,250 --> 00:13:30,240

technique is the activator adjusting

278

00:13:28,409 --> 00:13:32,719

instrument which is supported by

279

00:13:30,240 --> 00:13:35,730

extensive research provides unparalleled

280

00:13:32,720 --> 00:13:38,550

reliability and produces superior

281

00:13:35,730 --> 00:13:40,379

results for patients why is the

282

00:13:38,549 --> 00:13:42,139

activator adjusting instrument preferred

283

00:13:40,379 --> 00:13:44,519

by chiropractors worldwide

284

00:13:42,139 --> 00:13:46,710

unlike other chiropractic adjusting

285

00:13:44,519 --> 00:13:48,569

instruments the patented design and

286
00:13:46,710 --> 00:13:50,690
engineering of the activator has been

287
00:13:48,570 --> 00:13:53,730
proven effective through clinical trials

288
00:13:50,690 --> 00:13:56,550
the instrument is made of quality sturdy

289
00:13:53,730 --> 00:13:58,320
materials including stainless steel and

290
00:13:56,549 --> 00:14:00,870
is covered by a one-year warranty the

291
00:13:58,320 --> 00:14:02,879
best in the industry an activator methis

292
00:14:00,870 --> 00:14:04,679
provides product liability coverage for

293
00:14:02,879 --> 00:14:06,659
doctors who use the activator adjusting

294
00:14:04,679 --> 00:14:08,339
instrument the activator adjusting

295
00:14:06,659 --> 00:14:10,469
instrument is available in several

296
00:14:08,340 --> 00:14:13,860
models to suit the varying needs of

297
00:14:10,470 --> 00:14:15,899
every chiropractor the activator 2 but I

298
00:14:13,860 --> 00:14:18,509
can't help thinking of something dr.

299
00:14:15,899 --> 00:14:23,759
Harriet Hall the Skip doc says about

300
00:14:18,509 --> 00:14:25,350
tooth fairy science it's like doing a

301
00:14:23,759 --> 00:14:28,039
scientific study on how the Tooth Fairy

302
00:14:25,350 --> 00:14:28,040
flies

303
00:14:31,440 --> 00:14:36,280
joining me now on the line from

304
00:14:33,549 --> 00:14:38,319
Melbourne is dr. John Cunningham from

305
00:14:36,279 --> 00:14:40,600
the Epworth Medical Center hello John

306
00:14:38,320 --> 00:14:43,060
and hello Richard how are you I'm very

307
00:14:40,600 --> 00:14:44,950
well now you've had a chance to see the

308
00:14:43,059 --> 00:14:47,469
video in question and you're familiar of

309
00:14:44,950 --> 00:14:51,490
the story of this chiropractor treating

310
00:14:47,470 --> 00:14:54,340
a two week old baby what were your

311
00:14:51,490 --> 00:14:55,389
impressions when you saw it the first

312
00:14:54,340 --> 00:14:56,920
thing that came to mind is the word

313
00:14:55,389 --> 00:15:01,620
unnecessary hmm

314

00:14:56,919 --> 00:15:03,879
there's absolutely nothing yeah that

315
00:15:01,620 --> 00:15:06,759
there is there is absolutely no evidence

316
00:15:03,879 --> 00:15:09,250
that treating babies particularly

317
00:15:06,759 --> 00:15:12,789
newborns with any sort of chiropractic

318
00:15:09,250 --> 00:15:14,139
care is is required I mean a newborn

319
00:15:12,789 --> 00:15:15,789
when they're when they come out of the

320
00:15:14,139 --> 00:15:18,639
womb they're they're absolutely gorgeous

321
00:15:15,789 --> 00:15:22,029
and perfect most of the time and they're

322
00:15:18,639 --> 00:15:23,409
really the most incredible organisms if

323
00:15:22,029 --> 00:15:26,019
you want to think it like that all they

324
00:15:23,409 --> 00:15:28,360
know to do is to grow and to live in to

325
00:15:26,019 --> 00:15:31,629
survive and to think that you can make

326
00:15:28,360 --> 00:15:34,600
them somehow better than perfect is is

327
00:15:31,629 --> 00:15:36,429
really quite concerning yeah and the

328
00:15:34,600 --> 00:15:38,230

baby in question certainly didn't I mean

329

00:15:36,429 --> 00:15:40,839

took my untrained I just look like a

330

00:15:38,230 --> 00:15:43,539

normal baby and it was very interesting

331

00:15:40,840 --> 00:15:46,570

because the chiropractor went about his

332

00:15:43,539 --> 00:15:49,059

business and I I don't know how to word

333

00:15:46,570 --> 00:15:50,680

this but it's as if he almost knew what

334

00:15:49,059 --> 00:15:52,359

he was doing we didn't you know

335

00:15:50,679 --> 00:15:54,149

according to his training he thought he

336

00:15:52,360 --> 00:15:57,580

was doing something or the right thing

337

00:15:54,149 --> 00:16:00,639

well you know they've got they've got a

338

00:15:57,580 --> 00:16:04,300

patter you know they've got the the

339

00:16:00,639 --> 00:16:05,559

keywords they use one thing that you

340

00:16:04,299 --> 00:16:10,120

know you could just drive a truck

341

00:16:05,559 --> 00:16:12,669

through was when he was pressing on the

342

00:16:10,120 --> 00:16:15,009

baby's sacrum and saying he's going to

343
00:16:12,669 --> 00:16:16,179
get the CSF flowing well you know

344
00:16:15,009 --> 00:16:20,019
there's two problems with that one is

345
00:16:16,179 --> 00:16:22,809
the CSF flows regardless hmm it's just

346
00:16:20,019 --> 00:16:24,370
part of life and secondly it flows the

347
00:16:22,809 --> 00:16:28,089
opposite way it flows from the head down

348
00:16:24,370 --> 00:16:30,610
to the sacrum and if there really is a

349
00:16:28,090 --> 00:16:32,019
problem with CSF flow and that's a

350
00:16:30,610 --> 00:16:36,430
medical condition called hydrocephalus

351
00:16:32,019 --> 00:16:37,600
and there is nothing that a chiropractor

352
00:16:36,429 --> 00:16:40,000
is going to be able to do for that

353
00:16:37,600 --> 00:16:43,300
condition so you know on three counts

354
00:16:40,000 --> 00:16:45,039
there the you know it is just it's a

355
00:16:43,299 --> 00:16:47,948
flawed treatment now

356
00:16:45,039 --> 00:16:49,870
I don't doubt that parents want the best

357
00:16:47,948 --> 00:16:52,179
for their children I'm a parent of four

358
00:16:49,870 --> 00:16:55,959
children myself and I care for them very

359
00:16:52,179 --> 00:16:57,759
deeply but I get concerned that parents

360
00:16:55,958 --> 00:17:00,069
well-meaning parents are getting

361
00:16:57,759 --> 00:17:02,939
hoodwinked by these people to believe

362
00:17:00,070 --> 00:17:06,160
that they have something to offer them

363
00:17:02,940 --> 00:17:09,578
when it's simply it's simply untrue and

364
00:17:06,160 --> 00:17:12,400
it's now's the time that we can quite

365
00:17:09,578 --> 00:17:15,789
categorically say that there is no

366
00:17:12,400 --> 00:17:18,100
evidence that chiropractic to a baby of

367
00:17:15,789 --> 00:17:21,068
only two weeks of age is going to make

368
00:17:18,099 --> 00:17:23,828
the slightest difference yeah and in a

369
00:17:21,068 --> 00:17:26,019
way it's a good thing that this was done

370
00:17:23,828 --> 00:17:28,690
in an odd sort of way or at least should

371

00:17:26,019 --> 00:17:31,119
I say it was filmed and put up online

372
00:17:28,690 --> 00:17:33,100
because sort of reminds me of the

373
00:17:31,119 --> 00:17:34,569
homeopaths they'd make up rageous

374
00:17:33,099 --> 00:17:36,459
statements and they do outrageous things

375
00:17:34,569 --> 00:17:38,950
and they gladly share them with the

376
00:17:36,460 --> 00:17:40,900
world because they really sincerely

377
00:17:38,950 --> 00:17:44,798
believe that they're actually doing some

378
00:17:40,900 --> 00:17:46,269
good or doing the right thing I'm sure

379
00:17:44,798 --> 00:17:49,119
they do you know and I'm sure that a lot

380
00:17:46,269 --> 00:17:53,798
of chiropractors also believe that what

381
00:17:49,119 --> 00:17:55,839
they're doing is is helpful I would hope

382
00:17:53,798 --> 00:17:59,950
that would be the case you know I think

383
00:17:55,839 --> 00:18:04,990
all humans fundamentally you know good

384
00:17:59,950 --> 00:18:06,730
people but at the end of the day if if

385
00:18:04,990 --> 00:18:09,190

it's been shown that there's no

386

00:18:06,730 --> 00:18:10,750

difference between children treated with

387

00:18:09,190 --> 00:18:12,519

chiropractic and children that treated

388

00:18:10,750 --> 00:18:14,769

that aren't treated with chiropractic

389

00:18:12,519 --> 00:18:18,220

then then why you're doing it why are

390

00:18:14,769 --> 00:18:20,558

you taking people's money and why are

391

00:18:18,220 --> 00:18:23,350

you wasting their time even more

392

00:18:20,558 --> 00:18:26,980

concerning you know are you treating

393

00:18:23,349 --> 00:18:30,789

conditions real conditions with

394

00:18:26,980 --> 00:18:33,519

ineffectual treatments indeed and I

395

00:18:30,789 --> 00:18:35,460

can't think of a more obvious example of

396

00:18:33,519 --> 00:18:38,769

something ineffectual than this bizarre

397

00:18:35,460 --> 00:18:40,509

activator the the chiropractor is using

398

00:18:38,769 --> 00:18:43,119

in the video I have seen them before and

399

00:18:40,509 --> 00:18:45,369

it's sort of like a an sharp

400
00:18:43,119 --> 00:18:47,829
impulse sort of device that looks like

401
00:18:45,369 --> 00:18:50,409
something out of science fiction and I

402
00:18:47,829 --> 00:18:52,750
noticed that you can buy a range of

403
00:18:50,410 --> 00:18:56,140
these things the top level is the

404
00:18:52,750 --> 00:18:59,410
activator 5 at only 2319

405
00:18:56,140 --> 00:19:01,180
dollars is that how much they cost well

406
00:18:59,410 --> 00:19:02,560
that's the top of the range that's for

407
00:19:01,180 --> 00:19:05,110
their you know the chiropractor on the

408
00:19:02,559 --> 00:19:08,679
move top of the range I know you can

409
00:19:05,109 --> 00:19:10,929
also buy children's toy versions of them

410
00:19:08,680 --> 00:19:14,529
as well good and dare I say they're

411
00:19:10,930 --> 00:19:15,970
probably just as effective look you know

412
00:19:14,529 --> 00:19:20,680
I I don't want to come across as

413
00:19:15,970 --> 00:19:23,350
sounding like I am incredibly cynical

414
00:19:20,680 --> 00:19:26,710
when it comes to chiropractors there are

415
00:19:23,349 --> 00:19:29,679
chiropractors that take their job you

416
00:19:26,710 --> 00:19:32,230
know with seriously and they they use

417
00:19:29,680 --> 00:19:34,299
evidence-based approaches and they sort

418
00:19:32,230 --> 00:19:36,160
of feel more like you know I guess I

419
00:19:34,299 --> 00:19:37,779
could say spinal physiotherapists you

420
00:19:36,160 --> 00:19:39,700
know they're specialized people that

421
00:19:37,779 --> 00:19:42,069
deal with spine and back issues and

422
00:19:39,700 --> 00:19:44,559
they're very good at what they do the

423
00:19:42,069 --> 00:19:47,259
the the problem that I have with

424
00:19:44,559 --> 00:19:51,279
chiropractic is that these there's this

425
00:19:47,259 --> 00:19:54,400
other group who want to believe in magic

426
00:19:51,279 --> 00:19:57,309
they want to believe that their magic

427
00:19:54,400 --> 00:19:59,800
hands can somehow manipulate this life

428

00:19:57,309 --> 00:20:03,490
force that nobody can see and nobody can

429
00:19:59,799 --> 00:20:07,269
touch apart from them mm-hmm but this

430
00:20:03,490 --> 00:20:12,039
life force is somehow dependent on the

431
00:20:07,269 --> 00:20:13,769
the alignment of vertebrae which they

432
00:20:12,039 --> 00:20:17,200
can't change anyway

433
00:20:13,769 --> 00:20:20,500
it's just it's flawed on so many levels

434
00:20:17,200 --> 00:20:22,210
and and I'm I wish that I could talk to

435
00:20:20,500 --> 00:20:25,269
people that are thinking about doing

436
00:20:22,210 --> 00:20:26,769
chiropractic and and say to them you

437
00:20:25,269 --> 00:20:29,109
know if you're going to go down this

438
00:20:26,769 --> 00:20:31,599
path you're going to come across people

439
00:20:29,109 --> 00:20:33,399
that believe in magic and they're going

440
00:20:31,599 --> 00:20:36,879
to try and teach you magic tricks and

441
00:20:33,400 --> 00:20:38,920
and I hope you stay awake and you're

442
00:20:36,880 --> 00:20:41,530

aware of this part that they're going to

443

00:20:38,920 --> 00:20:42,850

try and lead you down you know if I was

444

00:20:41,529 --> 00:20:44,609

thinking about doing chiropractic right

445

00:20:42,849 --> 00:20:48,159

now if I was living school I'd probably

446

00:20:44,609 --> 00:20:51,250

choose a different job like a different

447

00:20:48,160 --> 00:20:53,070

different line of work because it's only

448

00:20:51,250 --> 00:20:55,390

going to get harder for chiropractors

449

00:20:53,069 --> 00:20:58,240

every time they they put one of these

450

00:20:55,390 --> 00:21:00,850

videos up online I mean you know they're

451

00:20:58,240 --> 00:21:04,049

just kicking home goals they're they're

452

00:21:00,849 --> 00:21:05,889

digging themselves deeper holes and

453

00:21:04,049 --> 00:21:09,669

eventually people are going to run out

454

00:21:05,890 --> 00:21:14,320

of patience with them and you know my

455

00:21:09,670 --> 00:21:16,870

more restrictive laws will be passed so

456

00:21:14,319 --> 00:21:19,689

I hope they stop doing this I hope that

457
00:21:16,869 --> 00:21:23,169
they stop promoting pediatric

458
00:21:19,690 --> 00:21:24,789
chiropractic not only for for the

459
00:21:23,170 --> 00:21:26,650
children's sake and the parents sake but

460
00:21:24,789 --> 00:21:28,720
for their own sake yes and it's

461
00:21:26,650 --> 00:21:31,030
interesting you should say bringing the

462
00:21:28,720 --> 00:21:32,670
specter of maybe regulation well the

463
00:21:31,029 --> 00:21:35,589
more they do it the more it becomes

464
00:21:32,670 --> 00:21:37,390
under the notice or to the attention of

465
00:21:35,589 --> 00:21:38,829
government and I think even that the

466
00:21:37,390 --> 00:21:40,690
Health Minister in Victoria have been

467
00:21:38,829 --> 00:21:43,119
quite concerned by this video and this

468
00:21:40,690 --> 00:21:44,590
may lead who knows this may lead to them

469
00:21:43,119 --> 00:21:46,539
looking taking a hard look at this

470
00:21:44,589 --> 00:21:48,009
activator oh by the way the cheapest

471
00:21:46,539 --> 00:21:52,569
model is only four hundred and fifty

472
00:21:48,009 --> 00:21:55,200
dollars and and maybe actually putting

473
00:21:52,569 --> 00:21:58,059
out a warning or banning it somehow

474
00:21:55,200 --> 00:22:00,220
look the activator I don't think does

475
00:21:58,059 --> 00:22:03,069
much harm itself and and that was the

476
00:22:00,220 --> 00:22:05,049
idea of the activator so before the

477
00:22:03,069 --> 00:22:07,329
activator came along chiropractors were

478
00:22:05,049 --> 00:22:11,079
doing is me pew license with their hands

479
00:22:07,329 --> 00:22:12,939
and you know causing injuries with those

480
00:22:11,079 --> 00:22:14,199
particularly to adults with vertebral

481
00:22:12,940 --> 00:22:16,630
artery dissection 's and things like

482
00:22:14,200 --> 00:22:19,809
this the idea of the activator is it

483
00:22:16,630 --> 00:22:23,290
makes the manipulation a lot more

484
00:22:19,809 --> 00:22:24,819
palatable and you know reproducible to

485

00:22:23,289 --> 00:22:27,819
some extent

486
00:22:24,819 --> 00:22:29,710
I don't think regulating the activator

487
00:22:27,819 --> 00:22:32,289
would do anything I think well you know

488
00:22:29,710 --> 00:22:33,670
my personal opinion is that this concept

489
00:22:32,289 --> 00:22:36,039
of self-regulation where the

490
00:22:33,670 --> 00:22:39,250
chiropractic board are regulating their

491
00:22:36,039 --> 00:22:40,930
own profession I think is flawed mm-hmm

492
00:22:39,250 --> 00:22:43,869
they only have to show that their

493
00:22:40,930 --> 00:22:47,350
practice is in alignment with get upon

494
00:22:43,869 --> 00:22:50,679
there in alignment with other

495
00:22:47,349 --> 00:22:53,529
chiropractors so if you've got one clown

496
00:22:50,680 --> 00:22:55,450
and he says well you know I'm behaving

497
00:22:53,529 --> 00:22:57,460
just like that other clown well then

498
00:22:55,450 --> 00:23:00,220
it's okay according to the letter of the

499
00:22:57,460 --> 00:23:03,850

law I would say it's time to actually

500

00:23:00,220 --> 00:23:08,019

take things seriously and and say if

501

00:23:03,849 --> 00:23:11,319

your practice is not supported by the

502

00:23:08,019 --> 00:23:14,319

evidence you know almost any sort of

503

00:23:11,319 --> 00:23:16,149

evidence then it should not be done I

504

00:23:14,319 --> 00:23:19,000

mean that's the rules that medical

505

00:23:16,150 --> 00:23:23,710

practitioners abide by we we always have

506

00:23:19,000 --> 00:23:25,420

to practice evidence-based care and

507

00:23:23,710 --> 00:23:27,279

I don't know why other health

508

00:23:25,420 --> 00:23:30,310

practitioners and I use that term

509

00:23:27,279 --> 00:23:33,069

loosely shouldn't have to abide by the

510

00:23:30,309 --> 00:23:35,679

same rules indeed absolutely but maybe

511

00:23:33,069 --> 00:23:38,799

this is a case of the more that these

512

00:23:35,680 --> 00:23:42,250

videos appear the more likely it is that

513

00:23:38,799 --> 00:23:44,799

something finally gets done about it

514
00:23:42,250 --> 00:23:46,869
and just finally John all the years that

515
00:23:44,799 --> 00:23:49,029
you've been interested in this do you

516
00:23:46,869 --> 00:23:52,049
really think that chiropractic is waning

517
00:23:49,029 --> 00:23:56,740
or is it almost an impossible fight for

518
00:23:52,049 --> 00:24:00,399
evidence-based medicine I never give up

519
00:23:56,740 --> 00:24:04,049
hope the the well-oiled machine of

520
00:24:00,400 --> 00:24:10,420
chiropractic marketing hmm is certainly

521
00:24:04,049 --> 00:24:12,669
keeping them alive see the more they dig

522
00:24:10,420 --> 00:24:14,289
their holes though I think the more

523
00:24:12,670 --> 00:24:18,279
trouble they're going to get themselves

524
00:24:14,289 --> 00:24:20,529
into and people aren't hoodwinked as

525
00:24:18,279 --> 00:24:23,470
much as we used to be unfortunately

526
00:24:20,529 --> 00:24:25,990
there's also this groundswell of people

527
00:24:23,470 --> 00:24:29,890
wanting to be more well you know

528
00:24:25,990 --> 00:24:31,839
wellness concept yeah and and people are

529
00:24:29,890 --> 00:24:35,620
always looking for that next thing to

530
00:24:31,839 --> 00:24:38,379
make the more will and you know

531
00:24:35,619 --> 00:24:40,349
chiropractic offers that they offer not

532
00:24:38,380 --> 00:24:43,410
just chiropractic now but they'll offer

533
00:24:40,349 --> 00:24:46,480
massage and dry needling and

534
00:24:43,410 --> 00:24:48,550
motivational speeches and you know all

535
00:24:46,480 --> 00:24:50,559
this sort of stuff and you come out of

536
00:24:48,549 --> 00:24:52,779
there and you spent an hour and you know

537
00:24:50,559 --> 00:24:55,869
you know in our relaxation you know of

538
00:24:52,779 --> 00:24:57,609
course you feel better yeah so so

539
00:24:55,869 --> 00:24:59,259
chiropractic is often offered these days

540
00:24:57,609 --> 00:25:02,339
in conjunction with all these other

541
00:24:59,259 --> 00:25:04,589
concepts like message and dry needling

542

00:25:02,339 --> 00:25:10,679
meditation and that's all good and well

543
00:25:04,589 --> 00:25:13,629
but at the heart of chiropractic if you

544
00:25:10,680 --> 00:25:17,500
if you are being if you are being told

545
00:25:13,630 --> 00:25:20,020
that manipulating the spine is going to

546
00:25:17,500 --> 00:25:20,549
make you somehow more well than you

547
00:25:20,019 --> 00:25:23,559
already are

548
00:25:20,549 --> 00:25:27,309
then you've been hoodwinked you've been

549
00:25:23,559 --> 00:25:29,200
sold the snake oil the the clicking that

550
00:25:27,309 --> 00:25:30,849
comes from chiropractic manipulation is

551
00:25:29,200 --> 00:25:32,890
the equivalent of cracking your knuckles

552
00:25:30,849 --> 00:25:35,649
it comes from the facet joints at the

553
00:25:32,890 --> 00:25:37,420
back of the spine and it's of no more

554
00:25:35,650 --> 00:25:40,210
significance than cracking knuckles

555
00:25:37,420 --> 00:25:42,009
yeah but it sounds good it sounds like

556
00:25:40,210 --> 00:25:44,170

something's happening I know cuz when I

557

00:25:42,009 --> 00:25:46,420

was a teenager I had it done myself and

558

00:25:44,170 --> 00:25:48,610

when you hear all those cracks in your

559

00:25:46,420 --> 00:25:49,779

back and the chiropractor says something

560

00:25:48,609 --> 00:25:52,569

like there I've got it

561

00:25:49,779 --> 00:25:54,639

it's very good it's very convincing it's

562

00:25:52,569 --> 00:25:55,750

it's very convincing you need to

563

00:25:54,640 --> 00:25:57,490

understand that this you know

564

00:25:55,750 --> 00:26:00,548

chiropractic was established by a guy

565

00:25:57,490 --> 00:26:04,798

who prior to inventing chiropractic was

566

00:26:00,548 --> 00:26:07,509

selling magnets as a as a health therapy

567

00:26:04,798 --> 00:26:09,789

and I know myself you know I've had a

568

00:26:07,509 --> 00:26:11,289

sore back from time to time and I've

569

00:26:09,789 --> 00:26:13,149

been to a physiotherapist and they've

570

00:26:11,289 --> 00:26:14,710

given them a couple of cracks and it

571
00:26:13,150 --> 00:26:16,419
feels better much like cracking your

572
00:26:14,710 --> 00:26:19,058
knuckles sometimes makes your hands feel

573
00:26:16,419 --> 00:26:21,820
this yes yes but but that's all it is

574
00:26:19,058 --> 00:26:25,899
it's not tied in to treating asthma or

575
00:26:21,819 --> 00:26:28,899
bedwetting or colic or your immune

576
00:26:25,900 --> 00:26:30,790
system you know it has no bearing on all

577
00:26:28,900 --> 00:26:33,548
these other systems whatsoever

578
00:26:30,789 --> 00:26:34,960
well John look thank you very much for

579
00:26:33,548 --> 00:26:36,940
chatting to the sceptic zone we're going

580
00:26:34,960 --> 00:26:39,730
to keep an eye on this story I mean the

581
00:26:36,940 --> 00:26:41,890
the chiropractor in question is being

582
00:26:39,730 --> 00:26:43,419
restricted in his practice at the moment

583
00:26:41,890 --> 00:26:46,630
and I think there are investigations

584
00:26:43,419 --> 00:26:48,340
underway and folks I will link to dr.

585
00:26:46,630 --> 00:26:51,090
John Cunningham's website so you can

586
00:26:48,339 --> 00:26:53,949
check out him for yourself but for now

587
00:26:51,089 --> 00:26:56,819
dr. John Cunningham thank you very much

588
00:26:53,950 --> 00:26:56,819
thank you Richard

589
00:27:04,210 --> 00:27:14,970
[Music]

590
00:27:10,880 --> 00:27:18,028
dr. Harriet Hall MD no into thousands as

591
00:27:14,970 --> 00:27:21,149
the skeptic a retired family physician

592
00:27:18,028 --> 00:27:23,190
and former Air Force flight surgeon she

593
00:27:21,148 --> 00:27:24,888
writes about medicine so-called

594
00:27:23,190 --> 00:27:26,190
complementary and alternative medicine

595
00:27:24,888 --> 00:27:29,969
science

596
00:27:26,190 --> 00:27:32,610
pakery and critical thinking Harriet now

597
00:27:29,970 --> 00:27:35,038
has a free course a series of 10 video

598
00:27:32,609 --> 00:27:38,339
lectures on science-based medicine and

599

00:27:35,038 --> 00:27:40,470
alternative medicine the videos and an

600
00:27:38,339 --> 00:27:43,949
accompanying course guide can be found

601
00:27:40,470 --> 00:27:48,079
by following the link at skeptic info or

602
00:27:43,950 --> 00:27:53,370
by visiting web Randi's org slash

603
00:27:48,079 --> 00:27:55,798
educational - modules dot html' topics

604
00:27:53,369 --> 00:27:58,349
covered in the series are science-based

605
00:27:55,798 --> 00:28:02,158
medicine vs. evidence-based medicine

606
00:27:58,349 --> 00:28:05,369
what is Kam chiropractic acupuncture

607
00:28:02,159 --> 00:28:08,159
homeopathy naturopathy and herbal

608
00:28:05,369 --> 00:28:10,859
medicine energy medicine miscellaneous

609
00:28:08,159 --> 00:28:13,860
alternatives pitfalls in research and

610
00:28:10,859 --> 00:28:17,609
science based medicine in the media and

611
00:28:13,859 --> 00:28:20,189
politics Harriette covers each topic in

612
00:28:17,609 --> 00:28:23,459
a matter-of-fact no-nonsense way that

613
00:28:20,190 --> 00:28:25,549

sure to educate and entertain skeptic

614

00:28:23,460 --> 00:28:47,670
dot info

615

00:28:25,549 --> 00:28:47,669
[Music]

616

00:28:48,890 --> 00:28:54,420
continuing our series of reports

617

00:28:51,179 --> 00:28:56,130
interviews articles items from the

618

00:28:54,420 --> 00:28:58,890
skeptic magazine the journal from

619

00:28:56,130 --> 00:29:05,600
Australian skeptics we turn to vol 36

620

00:28:58,890 --> 00:29:09,780
number one from March 2016 and on page

621

00:29:05,599 --> 00:29:13,109
46 we find an article by Tim Mendham who

622

00:29:09,779 --> 00:29:16,649
is the editor of the magazine diploma

623

00:29:13,109 --> 00:29:22,099
see Tim Mendham looks at medical

624

00:29:16,650 --> 00:29:22,100
qualifications Kairos versus GPS

625

00:29:22,970 --> 00:29:28,079
chiropractors want to be the first port

626

00:29:25,558 --> 00:29:30,119
of call for healthcare but how do their

627

00:29:28,079 --> 00:29:33,449
qualifications stack up against those of

628
00:29:30,119 --> 00:29:35,789
GPS is it true that GPS and

629
00:29:33,450 --> 00:29:37,529
chiropractors do much of the same level

630
00:29:35,789 --> 00:29:39,480
of training and are thus equally

631
00:29:37,529 --> 00:29:42,869
qualified to practice primary health

632
00:29:39,480 --> 00:29:45,808
care should chiropractors play the role

633
00:29:42,869 --> 00:29:48,750
that GPS currently do as the first stop

634
00:29:45,808 --> 00:29:51,480
for medical consultation the argument

635
00:29:48,750 --> 00:29:53,759
used by chiropractors to practice as

636
00:29:51,480 --> 00:29:55,410
primary health care is that they must go

637
00:29:53,759 --> 00:29:58,109
through the same level of medical

638
00:29:55,410 --> 00:30:01,048
training as GPS including the same

639
00:29:58,109 --> 00:30:04,048
courses and are thus as qualified to

640
00:30:01,048 --> 00:30:06,960
offer primary health care as GPS the

641
00:30:04,048 --> 00:30:08,599
question is whether this is true the

642
00:30:06,960 --> 00:30:11,419
vision statement of the chiropractic

643
00:30:08,599 --> 00:30:13,699
professionals peak body the

644
00:30:11,419 --> 00:30:17,520
chiropractor's Association of Australia

645
00:30:13,700 --> 00:30:20,370
CAA positions chiropractors as an

646
00:30:17,519 --> 00:30:23,490
alternative health system distinct from

647
00:30:20,369 --> 00:30:26,039
the mainstream and aims to achieve a

648
00:30:23,490 --> 00:30:28,650
fundamental paradigm shift in healthcare

649
00:30:26,039 --> 00:30:30,539
direction where chiropractic is

650
00:30:28,650 --> 00:30:33,570
recognized as the most cost effective

651
00:30:30,539 --> 00:30:36,750
and effective health regime of first

652
00:30:33,569 --> 00:30:38,879
choice that is readily accessible to all

653
00:30:36,750 --> 00:30:41,970
people in an article on the choice

654
00:30:38,880 --> 00:30:44,580
website karina Bray senior content

655
00:30:41,970 --> 00:30:46,019
producer health for choice laid out some

656

00:30:44,579 --> 00:30:48,779
of the issues associated with

657
00:30:46,019 --> 00:30:51,569
chiropractic and differences between it

658
00:30:48,779 --> 00:30:53,759
and the GP profession apart from the

659
00:30:51,569 --> 00:30:56,548
level of qualifications these issues

660
00:30:53,759 --> 00:30:58,919
included the anti-vaccination stance of

661
00:30:56,548 --> 00:31:01,639
many chiropractors the potential for

662
00:30:58,919 --> 00:31:04,470
myths diagnosis and preventative

663
00:31:01,640 --> 00:31:08,009
manipulations which may cause problems

664
00:31:04,470 --> 00:31:13,730
where none previously existed the claim

665
00:31:08,009 --> 00:31:15,900
for chiropractic training AHS CID guy 35

666
00:31:13,730 --> 00:31:19,440
responded to Bray's article and the

667
00:31:15,900 --> 00:31:22,140
choice site with a comment that the

668
00:31:19,440 --> 00:31:24,058
article was biased with Bray apparently

669
00:31:22,140 --> 00:31:26,580
showing a lack of understanding of what

670
00:31:24,058 --> 00:31:28,950

training chiropractors go through which

671

00:31:26,579 --> 00:31:31,349

is a full three-year bachelor's degree

672

00:31:28,950 --> 00:31:34,048

in science followed by a two years

673

00:31:31,349 --> 00:31:35,859

master's degree if anyone does some

674

00:31:34,048 --> 00:31:38,769

research instead of taking

675

00:31:35,859 --> 00:31:41,678

dream biased views they can clearly see

676

00:31:38,769 --> 00:31:44,769

chiropractors do take extensive training

677

00:31:41,679 --> 00:31:46,990

and just as much as GPS in the science

678

00:31:44,769 --> 00:31:47,710

side of things the courses are very

679

00:31:46,990 --> 00:31:50,289

similar

680

00:31:47,710 --> 00:31:52,269

GPS require and the same as

681

00:31:50,289 --> 00:31:55,859

chiropractors courses in anatomy

682

00:31:52,269 --> 00:32:00,970

physiology physics chemistry and bio

683

00:31:55,859 --> 00:32:03,399

chemistry neuroanatomy etc these courses

684

00:32:00,970 --> 00:32:05,860

do not differ they are not taught by

685
00:32:03,400 --> 00:32:08,200
anyone different either the person in

686
00:32:05,859 --> 00:32:11,259
question teaching the specific course

687
00:32:08,200 --> 00:32:14,080
has to have a degree in that specific

688
00:32:11,259 --> 00:32:16,269
course ie biochemistry teacher has to

689
00:32:14,079 --> 00:32:18,939
have a bachelor's of biochemistry with

690
00:32:16,269 --> 00:32:20,859
honors etc depending on the University

691
00:32:18,940 --> 00:32:23,529
of the mean requirements

692
00:32:20,859 --> 00:32:27,069
hence some are better than others just

693
00:32:23,529 --> 00:32:29,918
like medicine both require a minimum the

694
00:32:27,069 --> 00:32:32,319
rest assured as per law chiropractors

695
00:32:29,919 --> 00:32:34,750
also learn ECG monitoring blood pressure

696
00:32:32,319 --> 00:32:37,210
etc that's why they can do this stuff

697
00:32:34,750 --> 00:32:39,789
also as you get taught this in anatomy

698
00:32:37,210 --> 00:32:42,490
and physiology second level the only

699
00:32:39,789 --> 00:32:44,168
parts where they differ is GPS branch

700
00:32:42,490 --> 00:32:46,539
off into getting training for drugs

701
00:32:44,169 --> 00:32:48,580
where chiropractors actually keep going

702
00:32:46,539 --> 00:32:50,980
with even more in depth anatomy and

703
00:32:48,579 --> 00:32:53,829
physiology specific to what they deal

704
00:32:50,980 --> 00:32:54,370
with each day even the years are the

705
00:32:53,829 --> 00:32:58,269
same

706
00:32:54,369 --> 00:33:01,269
check out Australia AMA page takes four

707
00:32:58,269 --> 00:33:04,960
to six years Chiropractic takes minimum

708
00:33:01,269 --> 00:33:07,769
five then medical does a further one

709
00:33:04,960 --> 00:33:10,690
year normally Hospital residency a

710
00:33:07,769 --> 00:33:13,179
chiropractor does this in addition to

711
00:33:10,690 --> 00:33:15,610
its normal studies for two years in

712
00:33:13,179 --> 00:33:18,429
their master's degree both are

713

00:33:15,609 --> 00:33:21,699
classified as doctors one is of medicine

714
00:33:18,429 --> 00:33:23,950
to prescribe drugs the other is non drug

715
00:33:21,700 --> 00:33:26,830
prescribing profession both have their

716
00:33:23,950 --> 00:33:30,210
needs in society most nurses or MDS

717
00:33:26,829 --> 00:33:33,939
agree with this oh Sid guy admits that

718
00:33:30,210 --> 00:33:36,279
more research is needed but adds if

719
00:33:33,940 --> 00:33:38,140
people are getting relief from this and

720
00:33:36,279 --> 00:33:40,720
there is lack of scientific evidence

721
00:33:38,140 --> 00:33:43,480
around that does not mean it does not

722
00:33:40,720 --> 00:33:46,720
work just means we need more studies to

723
00:33:43,480 --> 00:33:49,690
show why it works in the people it does

724
00:33:46,720 --> 00:33:52,409
and how there are many chiropractors

725
00:33:49,690 --> 00:33:54,370
who would share us CID guys views

726
00:33:52,409 --> 00:33:57,210
unfortunately those views are not

727
00:33:54,369 --> 00:33:59,888

correct the reality of medical training

728

00:33:57,210 --> 00:34:01,808

mr. John Cunningham is an Australian

729

00:33:59,888 --> 00:34:03,788

trained orthopaedic surgeon who

730

00:34:01,808 --> 00:34:06,628

specializes in the treatment of spinal

731

00:34:03,788 --> 00:34:09,969

disorders he is a fellow of the Royal

732

00:34:06,628 --> 00:34:12,818

Australasian College of Surgeons and of

733

00:34:09,969 --> 00:34:15,638

the Australian orthopedic Association in

734

00:34:12,818 --> 00:34:17,588

the 2016 Australia Day honors he was

735

00:34:15,639 --> 00:34:21,099

awarded a medal of the Order of

736

00:34:17,588 --> 00:34:23,739

Australia OAM for services to medicine

737

00:34:21,099 --> 00:34:27,010

and the promotion of immunization he

738

00:34:23,739 --> 00:34:29,259

suggests that us CID guys understanding

739

00:34:27,010 --> 00:34:32,530

of chiropractic training and the

740

00:34:29,260 --> 00:34:35,200

training of GPS is considerably lacking

741

00:34:32,530 --> 00:34:37,389

for a start mr. Cunningham says that GP

742
00:34:35,199 --> 00:34:40,480
must complete a medical degree which

743
00:34:37,389 --> 00:34:43,179
these days is often a 6 to 7 year

744
00:34:40,480 --> 00:34:45,608
program of the medical sciences as well

745
00:34:43,179 --> 00:34:48,369
as clinical medicine it is taught by

746
00:34:45,608 --> 00:34:51,098
scientists specialized in the field as

747
00:34:48,369 --> 00:34:53,220
well as clinicians medical practitioners

748
00:34:51,099 --> 00:34:55,539
are taught evidence-based medicine

749
00:34:53,219 --> 00:34:57,419
meanwhile chiropractors are taught

750
00:34:55,539 --> 00:35:00,269
make-belief like GaN send

751
00:34:57,420 --> 00:35:03,369
pregnancy and pediatric chiropractic

752
00:35:00,269 --> 00:35:04,838
completely without evidence medical

753
00:35:03,369 --> 00:35:07,838
students are not taught by chiropractors

754
00:35:04,838 --> 00:35:10,539
nor our chiropractors taught by medical

755
00:35:07,838 --> 00:35:14,500
practitioners the courses differ and

756
00:35:10,539 --> 00:35:16,989
they differ enormous Lee how do I know

757
00:35:14,500 --> 00:35:19,179
because I did a science degree with

758
00:35:16,989 --> 00:35:22,389
chiropractors at the University of New

759
00:35:19,179 --> 00:35:25,299
South Wales before completing a medical

760
00:35:22,389 --> 00:35:27,969
degree while their science degree was

761
00:35:25,300 --> 00:35:30,130
similar they only did one major in

762
00:35:27,969 --> 00:35:33,969
anatomy and so missed out on physiology

763
00:35:30,130 --> 00:35:36,579
and biochemistry just Anatomy they were

764
00:35:33,969 --> 00:35:38,500
not exposed to nearly as much detail of

765
00:35:36,579 --> 00:35:40,750
the other subjects as medical students

766
00:35:38,500 --> 00:35:43,619
nor did they learn anything about human

767
00:35:40,750 --> 00:35:48,400
behavior microbiology or pharmacology

768
00:35:43,619 --> 00:35:50,769
just Anatomy to even suggest that

769
00:35:48,400 --> 00:35:52,900
chiropractors learn ECGs in the same

770

00:35:50,769 --> 00:35:55,869
detail as a medical practitioner is

771
00:35:52,900 --> 00:35:58,000
laughable making a claim that the

772
00:35:55,869 --> 00:36:00,280
two-streams simply branch off is

773
00:35:58,000 --> 00:36:03,380
ridiculous they share no common ground

774
00:36:00,280 --> 00:36:07,609
to begin with so cannot branch

775
00:36:03,380 --> 00:36:09,108
as Oz said guy puts it and a medical

776
00:36:07,608 --> 00:36:12,199
degree is only the start

777
00:36:09,108 --> 00:36:14,778
GPS must also complete a three-year

778
00:36:12,199 --> 00:36:16,788
vocational training pathway covering

779
00:36:14,778 --> 00:36:19,338
many aspects of medicine not covered in

780
00:36:16,789 --> 00:36:21,680
detail in the undergraduate section of

781
00:36:19,338 --> 00:36:25,009
training as well as passing more exams

782
00:36:21,679 --> 00:36:27,919
than a fellowship exam so we're up to

783
00:36:25,009 --> 00:36:30,170
ten years just now and all CID guy

784
00:36:27,920 --> 00:36:34,068

thinks that's only about drugs

785

00:36:30,170 --> 00:36:35,509

what do GPC only the broadest range of

786

00:36:34,068 --> 00:36:36,768

conditions that can be treated with

787

00:36:35,509 --> 00:36:40,539

evidence-based medicine

788

00:36:36,768 --> 00:36:44,078

yes drugs are used but what about say

789

00:36:40,539 --> 00:36:47,319

diabetes counseling family planning

790

00:36:44,079 --> 00:36:50,500

psychiatric care end of life care

791

00:36:47,318 --> 00:36:54,048

pediatrics learning difficulties

792

00:36:50,500 --> 00:36:57,768

musculoskeletal complaints dermatology I

793

00:36:54,048 --> 00:37:00,440

could go on but to simplify things to

794

00:36:57,768 --> 00:37:04,189

the idea that all gp's do is prescribe

795

00:37:00,440 --> 00:37:06,170

drugs is ludicrous a chiropractor is

796

00:37:04,190 --> 00:37:09,289

trained now in universities mr.

797

00:37:06,170 --> 00:37:11,528

Cunningham says but many aspects of

798

00:37:09,289 --> 00:37:15,289

their curriculum are not evidence based

799
00:37:11,528 --> 00:37:18,018
simple as that and saying more research

800
00:37:15,289 --> 00:37:21,109
is needed is not the same as saying it

801
00:37:18,018 --> 00:37:22,879
works much research has already been

802
00:37:21,108 --> 00:37:25,098
done and the only thing that

803
00:37:22,880 --> 00:37:28,369
chiropractors can treat better than GPS

804
00:37:25,099 --> 00:37:31,579
is acute back pain and only in a small

805
00:37:28,369 --> 00:37:33,740
subset of patients researching it more

806
00:37:31,579 --> 00:37:38,028
may provide more evidence for other

807
00:37:33,739 --> 00:37:39,858
conditions but it also may not once

808
00:37:38,028 --> 00:37:41,989
chickens should not be counted before

809
00:37:39,858 --> 00:37:44,659
they're hatched suggesting that

810
00:37:41,989 --> 00:37:46,008
chiropractors can replace GPS because

811
00:37:44,659 --> 00:37:48,649
some of their subjects have the same

812
00:37:46,009 --> 00:37:50,900
broad title as each other is blatantly

813
00:37:48,650 --> 00:37:54,410
false you might make the same claim

814
00:37:50,900 --> 00:37:57,440
about physiotherapists osteopaths nurses

815
00:37:54,409 --> 00:37:59,778
pharmacists and I could go on GPS have

816
00:37:57,440 --> 00:38:03,289
their place and that place is the

817
00:37:59,778 --> 00:38:05,929
primary family physician chiropractors

818
00:38:03,289 --> 00:38:09,339
should learn their place too and it's

819
00:38:05,929 --> 00:38:09,338
not where they think it is

820
00:38:10,130 --> 00:38:15,970
[Music]

821
00:38:11,920 --> 00:38:17,559
and that was diploma C written by Tim

822
00:38:15,969 --> 00:38:21,098
Mendham and you can read that for

823
00:38:17,559 --> 00:38:23,950
yourself on page 46 of the skeptic

824
00:38:21,099 --> 00:38:31,019
magazine vol 36 number one from March

825
00:38:23,949 --> 00:38:39,969
2016 freely available at WWF XCOM au

826
00:38:31,019 --> 00:38:42,829
[Music]

827

00:38:39,969 --> 00:38:45,949
the skeptic magazine the journal from

828
00:38:42,829 --> 00:38:48,170
Australian skeptics subscribe online to

829
00:38:45,949 --> 00:38:53,659
the world's second oldest skeptical

830
00:38:48,170 --> 00:38:56,659
magazine visit WWF XCOM 2 and click the

831
00:38:53,659 --> 00:39:01,068
publication's link you can also find

832
00:38:56,659 --> 00:39:04,219
there over 30 years on back issues free

833
00:39:01,068 --> 00:39:16,308
to download the skeptic magazine from

834
00:39:04,219 --> 00:39:21,969
Australian skeptics here's main our

835
00:39:16,309 --> 00:39:21,970
spooky action at the distance

836
00:39:22,730 --> 00:39:27,630
I'm just popping down to a 36 Glee point

837
00:39:25,800 --> 00:39:30,600
road which is where they have bed

838
00:39:27,630 --> 00:39:32,400
upstairs the red bar of course but at

839
00:39:30,599 --> 00:39:34,619
the back is the bed bar and there's

840
00:39:32,400 --> 00:39:37,530
gonna be a bit of an advocacy meeting

841
00:39:34,619 --> 00:39:39,420

for the SS DP what does the SS DP let's

842

00:39:37,530 --> 00:39:41,760

go in and just find out what it is in

843

00:39:39,420 --> 00:39:43,829

there we'll have politicians will have

844

00:39:41,760 --> 00:39:45,090

harm reduction medical specialists and

845

00:39:43,829 --> 00:39:47,429

we'll have people have had actual

846

00:39:45,090 --> 00:39:49,110

first-hand experience of overdoses and

847

00:39:47,429 --> 00:39:50,789

why they think if there'd been a bit of

848

00:39:49,110 --> 00:39:52,500

knowledge and harm reduction around that

849

00:39:50,789 --> 00:39:57,989

wouldn't have happened to them inside we

850

00:39:52,500 --> 00:40:00,329

go I'm here with Shane who I think I

851

00:39:57,989 --> 00:40:01,469

last spoke to at in Las Vegas I think we

852

00:40:00,329 --> 00:40:02,849

the last time I spoke to you when you're

853

00:40:01,469 --> 00:40:04,319

doing some great work with a skeptical

854

00:40:02,849 --> 00:40:05,699

brow so what are you up to these days

855

00:40:04,320 --> 00:40:07,590

these days

856
00:40:05,699 --> 00:40:09,899
settling down for a simpler life at the

857
00:40:07,590 --> 00:40:11,789
moment you didn't like the idea of

858
00:40:09,900 --> 00:40:13,680
arguing a skeptical browser is a tough

859
00:40:11,789 --> 00:40:15,360
sell on some people isn't it it's a very

860
00:40:13,679 --> 00:40:16,919
tough sell and it got harder actually

861
00:40:15,360 --> 00:40:18,090
with the the advent of the

862
00:40:16,920 --> 00:40:19,829
misinformation age where suddenly

863
00:40:18,090 --> 00:40:22,530
everyone cares about it fake news came

864
00:40:19,829 --> 00:40:24,750
about a lot of people paying attention

865
00:40:22,530 --> 00:40:26,430
to it now but unfortunately going away

866
00:40:24,750 --> 00:40:27,900
that I think is just as dangerous as

867
00:40:26,429 --> 00:40:29,339
what they're trying to find so what is

868
00:40:27,900 --> 00:40:30,630
your opinion of the whole drug testing

869
00:40:29,340 --> 00:40:32,280
idea here that they're talking about

870
00:40:30,630 --> 00:40:33,690
absolutely necessary personally I

871
00:40:32,280 --> 00:40:38,700
believe we need to legalize regulate

872
00:40:33,690 --> 00:40:40,320
educate and tax tax and educate that's

873
00:40:38,699 --> 00:40:41,519
the process we need to do it anything

874
00:40:40,320 --> 00:40:42,630
else the war on drugs has failed

875
00:40:41,519 --> 00:40:44,429
miserably

876
00:40:42,630 --> 00:40:46,289
well just look around your people yeah

877
00:40:44,429 --> 00:40:48,379
I'm here with Sophie who was one of the

878
00:40:46,289 --> 00:40:50,519
speakers and you have a fairly unique

879
00:40:48,380 --> 00:40:52,380
perspective on the whole drug harm

880
00:40:50,519 --> 00:40:54,030
reduction issue can you describe briefly

881
00:40:52,380 --> 00:40:57,890
what happened to you and what your

882
00:40:54,030 --> 00:41:01,080
opinion is these days yes so I survived

883
00:40:57,889 --> 00:41:05,409
an overdose on after the ingesting three

884

00:41:01,079 --> 00:41:09,639
pills at a festival nine years ago

885
00:41:05,409 --> 00:41:11,349
and I when I was having the overdose I

886
00:41:09,639 --> 00:41:13,210
never received the care that I was

887
00:41:11,349 --> 00:41:15,460
supposed to get because my friends were

888
00:41:13,210 --> 00:41:18,190
too afraid to call the ambulance and

889
00:41:15,460 --> 00:41:20,679
they were too afraid to because they had

890
00:41:18,190 --> 00:41:22,150
drugs on them and my boyfriend was too

891
00:41:20,679 --> 00:41:23,679
afraid to call an ambulance as well to

892
00:41:22,150 --> 00:41:25,329
take me to medical care because he was

893
00:41:23,679 --> 00:41:27,669
the one that sold me the drugs so I

894
00:41:25,329 --> 00:41:31,630
really feel like I could easily be the

895
00:41:27,670 --> 00:41:33,519
poster child for for you know the

896
00:41:31,630 --> 00:41:35,110
dangers of drug use but to be honest

897
00:41:33,519 --> 00:41:36,639
what I think really is the problem is

898
00:41:35,110 --> 00:41:38,349

the fact that why my friends did not

899

00:41:36,639 --> 00:41:41,109

feel comfortable getting the help that I

900

00:41:38,349 --> 00:41:44,049

needed when I was in when I needed the

901

00:41:41,110 --> 00:41:46,510

care you said that also it made you

902

00:41:44,050 --> 00:41:47,860

angry as well after a while and when you

903

00:41:46,510 --> 00:41:50,470

hear the deaths at music festivals

904

00:41:47,860 --> 00:41:52,120

around Australia that must you must

905

00:41:50,469 --> 00:41:55,119

almost imagine you being in their

906

00:41:52,119 --> 00:41:59,049

situation and the anger yeah absolutely

907

00:41:55,119 --> 00:42:00,519

it's it angers me a lot because there

908

00:41:59,050 --> 00:42:02,650

are preventative measures out there

909

00:42:00,519 --> 00:42:04,509

they've been practiced for like 30 to 50

910

00:42:02,650 --> 00:42:06,519

years and we're not implementing them

911

00:42:04,510 --> 00:42:09,400

and there's people dying like we're

912

00:42:06,519 --> 00:42:11,769

talking about young lives like mine so

913
00:42:09,400 --> 00:42:13,150
yes I'm very angry you would not have

914
00:42:11,769 --> 00:42:14,739
the time and of course if you said that

915
00:42:13,150 --> 00:42:16,180
people would say well just don't take

916
00:42:14,739 --> 00:42:17,829
the pills and this won't happen but

917
00:42:16,179 --> 00:42:20,679
that's very unrealistic isn't it

918
00:42:17,829 --> 00:42:22,299
extremely unrealistic I'm making oh my

919
00:42:20,679 --> 00:42:23,859
gosh I don't know anyone who hasn't

920
00:42:22,300 --> 00:42:26,890
tried drugs not even my mum and dad

921
00:42:23,860 --> 00:42:28,019
right sorry like I mean we've got to be

922
00:42:26,889 --> 00:42:30,670
tackling this from a different angle

923
00:42:28,019 --> 00:42:32,199
because you just can't tell someone not

924
00:42:30,670 --> 00:42:36,099
to take from the cookie jar

925
00:42:32,199 --> 00:42:37,929
yeah that's my analogy on it and my

926
00:42:36,099 --> 00:42:39,639
weird part of the story is you told how

927
00:42:37,929 --> 00:42:41,769
your boyfriend sold you three tablets

928
00:42:39,639 --> 00:42:44,019
and I thought your boyfriend sold you

929
00:42:41,769 --> 00:42:46,630
three tablets yeah well it's that way

930
00:42:44,019 --> 00:42:47,590
he's not my boyfriend anymore don't

931
00:42:46,630 --> 00:42:49,210
think you need to say anything more

932
00:42:47,590 --> 00:42:50,530
there and and what are you going to be

933
00:42:49,210 --> 00:42:51,730
thinking about with the state election

934
00:42:50,530 --> 00:42:53,230
because we have a number of parties on

935
00:42:51,730 --> 00:42:54,909
the Left we have the Green Party we have

936
00:42:53,230 --> 00:42:57,219
the Labour Party both have similar

937
00:42:54,909 --> 00:42:58,750
policies but a bit different and I'm not

938
00:42:57,219 --> 00:43:00,309
trying to force you into a voting corner

939
00:42:58,750 --> 00:43:02,219
here but what do you think about the

940
00:43:00,309 --> 00:43:04,318
office of birth both parties

941

00:43:02,219 --> 00:43:07,889
look I think anything but what we have

942
00:43:04,318 --> 00:43:10,858
is better and I would urge any young

943
00:43:07,889 --> 00:43:12,929
person to find out and learn how voting

944
00:43:10,858 --> 00:43:14,489
this voting system works so that they

945
00:43:12,929 --> 00:43:16,440
can get their voices heard

946
00:43:14,489 --> 00:43:19,199
maybe vote below the line it takes

947
00:43:16,440 --> 00:43:20,780
longer but yeah absolutely absolutely I

948
00:43:19,199 --> 00:43:21,989
know and know where your vote counts

949
00:43:20,780 --> 00:43:24,420
okay

950
00:43:21,989 --> 00:43:26,729
but I'm talking to dr. Alex Roy how are

951
00:43:24,420 --> 00:43:28,680
you Alex and one are you looking great

952
00:43:26,730 --> 00:43:31,650
and feeling fine tonight yes I am thank

953
00:43:28,679 --> 00:43:33,298
you Alex you said that pill testing

954
00:43:31,650 --> 00:43:35,309
isn't the magic bullet but what do you

955
00:43:33,298 --> 00:43:37,288

think would be the immediate effect of

956

00:43:35,309 --> 00:43:41,220

it if we did it what what would be what

957

00:43:37,289 --> 00:43:44,970

we notice straightaway there are three

958

00:43:41,219 --> 00:43:47,699

major benefits of pill testing that we

959

00:43:44,969 --> 00:43:51,949

need to talk about and the first one is

960

00:43:47,699 --> 00:43:56,848

that where somebody who's bought a pill

961

00:43:51,949 --> 00:44:00,029

has the pill tester gets advice expert

962

00:43:56,849 --> 00:44:03,599

advice that taking that pill would be

963

00:44:00,030 --> 00:44:06,390

very high-risk and decides to throw the

964

00:44:03,599 --> 00:44:10,170

pill into the amnesty bin so that's an

965

00:44:06,389 --> 00:44:12,838

individual benefit but what they've done

966

00:44:10,170 --> 00:44:16,318

now in Europe is they turn that into a

967

00:44:12,838 --> 00:44:20,159

group benefit so they have worked on the

968

00:44:16,318 --> 00:44:21,509

communication of that information to all

969

00:44:20,159 --> 00:44:23,759

the other people who are there at that

970
00:44:21,510 --> 00:44:28,049
event so in some of the places they've

971
00:44:23,760 --> 00:44:31,589
got a network of video screens around

972
00:44:28,048 --> 00:44:36,298
the the event and they show a photograph

973
00:44:31,588 --> 00:44:40,739
of the dangerous pills and they say if

974
00:44:36,298 --> 00:44:43,829
you've got a blue pill with PM 67 on it

975
00:44:40,739 --> 00:44:45,129
and a smiling face on it that looks like

976
00:44:43,829 --> 00:44:48,550
this

977
00:44:45,130 --> 00:44:51,010
it's we just tested a pill like that and

978
00:44:48,550 --> 00:44:53,440
it contained this stuff and that's

979
00:44:51,010 --> 00:44:56,620
highly lethal if you take that visit

980
00:44:53,440 --> 00:44:59,349
high risk that you'll be hospitalized

981
00:44:56,619 --> 00:45:01,389
and possibly even die we recommend you

982
00:44:59,349 --> 00:45:04,539
throw that away in the amnesty bid and

983
00:45:01,389 --> 00:45:06,789
so there's a group benefit from that and

984
00:45:04,539 --> 00:45:09,210
the third benefit is the market benefit

985
00:45:06,789 --> 00:45:11,980
and what happens with the market is that

986
00:45:09,210 --> 00:45:14,019
it's part of impossible to prove this

987
00:45:11,980 --> 00:45:19,000
sort of disprove this but it's very

988
00:45:14,019 --> 00:45:20,889
likely that if we if if people who are

989
00:45:19,000 --> 00:45:22,510
going to sell drugs at an event like

990
00:45:20,889 --> 00:45:24,639
that know that's going to be pill

991
00:45:22,510 --> 00:45:27,010
testing they're they're not going to

992
00:45:24,639 --> 00:45:29,559
sell their dodgy pills they'll sell

993
00:45:27,010 --> 00:45:30,760
their low-risk bills the question I'd

994
00:45:29,559 --> 00:45:32,440
like to ask whose people might be

995
00:45:30,760 --> 00:45:35,680
wondering what would build testing

996
00:45:32,440 --> 00:45:38,670
entail are using spectrographs now I yes

997
00:45:35,679 --> 00:45:42,399
they're half a dozen different

998

00:45:38,670 --> 00:45:43,780
techniques that are used and they've all

999
00:45:42,400 --> 00:45:44,650
got their own advantages and

1000
00:45:43,780 --> 00:45:46,300
disadvantages

1001
00:45:44,650 --> 00:45:49,119
they're using the same kind of

1002
00:45:46,300 --> 00:45:51,490
technology that is used in hospital

1003
00:45:49,119 --> 00:45:53,259
laboratories and scientific laboratories

1004
00:45:51,489 --> 00:45:55,299
across the country

1005
00:45:53,260 --> 00:45:57,370
Thunder sounds expensive this machine

1006
00:45:55,300 --> 00:46:00,070
too expensive these machines are

1007
00:45:57,369 --> 00:46:04,750
expensive and that's why nobody wants to

1008
00:46:00,070 --> 00:46:06,280
do civil disobedience because you got to

1009
00:46:04,750 --> 00:46:08,980
buy a hundred and twenty thousand dollar

1010
00:46:06,280 --> 00:46:11,560
machine to be disobedient and that could

1011
00:46:08,980 --> 00:46:14,469
easily be confiscated and then you'd be

1012
00:46:11,559 --> 00:46:17,349

in real trouble I think what we will see

1013

00:46:14,469 --> 00:46:20,619

is edging our way more closer and closer

1014

00:46:17,349 --> 00:46:22,839

to fill testing will at some point all

1015

00:46:20,619 --> 00:46:24,449

six states and two territories will have

1016

00:46:22,840 --> 00:46:27,960

pill testing

1017

00:46:24,449 --> 00:46:30,298

and I wish that would happen tomorrow

1018

00:46:27,960 --> 00:46:32,699

but or actually I wish did it happen

1019

00:46:30,298 --> 00:46:34,710

yesterday thank you doctor Alex watt for

1020

00:46:32,699 --> 00:46:36,949

being on the sceptic zone okay my

1021

00:46:34,710 --> 00:46:36,949

pleasure

1022

00:46:46,880 --> 00:46:51,590

hello listeners a maximum fun I want to

1023

00:46:49,880 --> 00:46:53,539

tell you about our newest podcast that

1024

00:46:51,590 --> 00:46:55,100

tells you all about the truth of the

1025

00:46:53,539 --> 00:46:56,360

Flat Earth have you been looking out

1026

00:46:55,099 --> 00:46:58,099

over the horizon and you've been

1027
00:46:56,360 --> 00:47:00,710
thinking wait a minute this doesn't look

1028
00:46:58,099 --> 00:47:03,409
round I've been lied to my whole life

1029
00:47:00,710 --> 00:47:08,030
what is NASA doing with 52 million

1030
00:47:03,409 --> 00:47:11,539
dollars a day oh come on we explode the

1031
00:47:08,030 --> 00:47:13,730
myths just kidding we're ho no Ross and

1032
00:47:11,539 --> 00:47:16,070
Carrie and we investigate extraordinary

1033
00:47:13,730 --> 00:47:18,440
claims that's right we investigate

1034
00:47:16,070 --> 00:47:20,240
extraordinary claims firsthand we go

1035
00:47:18,440 --> 00:47:22,700
undercover in fringe groups we get

1036
00:47:20,239 --> 00:47:24,619
alternative medicine treatments and we

1037
00:47:22,699 --> 00:47:26,989
hang out with people who have unusual

1038
00:47:24,619 --> 00:47:29,119
beliefs like flat earthers 9/11 truthers

1039
00:47:26,989 --> 00:47:31,309
we do ghost investigations we've joined

1040
00:47:29,119 --> 00:47:33,259
Scientology and we got baptized in the

1041
00:47:31,309 --> 00:47:37,460
Mormon Church if it goes bump in the

1042
00:47:33,260 --> 00:47:39,050
night then so do we hmm why don't you

1043
00:47:37,460 --> 00:47:41,980
check out oh no Ross and Carrie and

1044
00:47:39,050 --> 00:47:41,980
maximum fun dork

1045
00:47:49,460 --> 00:47:54,000
here is a press release by the

1046
00:47:52,048 --> 00:47:57,509
Australian skeptics Australian skeptics

1047
00:47:54,000 --> 00:48:06,449
Inc released on the 20th of February 20

1048
00:47:57,510 --> 00:48:09,119
19 million skeptics Inc AAS I commend

1049
00:48:06,449 --> 00:48:12,389
Daniel Andrews Premier of Victoria for

1050
00:48:09,119 --> 00:48:14,900
his recently announced plan to ban gay

1051
00:48:12,389 --> 00:48:18,058
conversion therapy across the state

1052
00:48:14,900 --> 00:48:20,670
these church based therapies are not

1053
00:48:18,059 --> 00:48:23,160
based on scientific evidence have been

1054
00:48:20,670 --> 00:48:25,289
proven not to work and are well known to

1055

00:48:23,159 --> 00:48:27,420
cause physical and psychological harm

1056
00:48:25,289 --> 00:48:28,980
gay conversion therapy has been

1057
00:48:27,420 --> 00:48:30,930
denounced by the Australian

1058
00:48:28,980 --> 00:48:32,730
Psychological Society the Royal

1059
00:48:30,929 --> 00:48:34,529
Australasian College of Physicians the

1060
00:48:32,730 --> 00:48:37,500
Australian Medical Association and the

1061
00:48:34,530 --> 00:48:40,230
Australian Human Rights Commission these

1062
00:48:37,500 --> 00:48:42,349
practices include a version therapy for

1063
00:48:40,230 --> 00:48:44,880
example electrocution of genitals

1064
00:48:42,349 --> 00:48:48,119
administration of drugs to make people

1065
00:48:44,880 --> 00:48:52,980
feel nauseous or vomit participation in

1066
00:48:48,119 --> 00:48:56,690
exorcisms or prayer sessions to pray the

1067
00:48:52,980 --> 00:49:00,030
gay away extreme pressure from family

1068
00:48:56,690 --> 00:49:02,099
friends church leaders and parents can

1069
00:49:00,030 --> 00:49:04,380

coerce people into undergoing gay

1070

00:49:02,099 --> 00:49:06,838

conversion therapy threatening them with

1071

00:49:04,380 --> 00:49:09,809

rejection from their church family and

1072

00:49:06,838 --> 00:49:13,139

other social and financial supports says

1073

00:49:09,809 --> 00:49:15,420

Trish Hahn vice president of ASI and

1074

00:49:13,139 --> 00:49:18,000

points out that those who do participate

1075

00:49:15,420 --> 00:49:19,858

in gay conversion therapy ultimately

1076

00:49:18,000 --> 00:49:22,670

find that their sexuality or gender

1077

00:49:19,858 --> 00:49:24,929

remains unchanged but they are left with

1078

00:49:22,670 --> 00:49:28,079

significant physical and psychological

1079

00:49:24,929 --> 00:49:31,409

trauma and experience a high incidence

1080

00:49:28,079 --> 00:49:34,140

of suicide and says judge members

1081

00:49:31,409 --> 00:49:37,078

immersed in these religious groups often

1082

00:49:34,139 --> 00:49:39,719

face spiritual abuse and are unable to

1083

00:49:37,079 --> 00:49:42,059

make informed choices they are told that

1084
00:49:39,719 --> 00:49:44,489
conversion therapy is their only option

1085
00:49:42,059 --> 00:49:46,798
Australian skeptics Inc find it

1086
00:49:44,489 --> 00:49:48,779
reprehensible that every state and

1087
00:49:46,798 --> 00:49:50,880
territory of Australia still allows this

1088
00:49:48,780 --> 00:49:53,548
unsubstantiated treatment despite

1089
00:49:50,880 --> 00:49:56,430
evidence of spiritual physical and

1090
00:49:53,548 --> 00:49:58,259
psychological abuse these practices

1091
00:49:56,429 --> 00:50:01,079
are decreasing around the world with

1092
00:49:58,260 --> 00:50:03,420
nationwide regional and de facto bans in

1093
00:50:01,079 --> 00:50:06,329
countries including Argentina Brazil

1094
00:50:03,420 --> 00:50:08,670
Canada Switzerland and the United States

1095
00:50:06,329 --> 00:50:11,309
however they are still being performed

1096
00:50:08,670 --> 00:50:14,190
behind closed doors in many religious

1097
00:50:11,309 --> 00:50:16,860
communities Australian skeptics Inc

1098
00:50:14,190 --> 00:50:18,780
welcome this measured decision by the

1099
00:50:16,860 --> 00:50:20,880
Victorian Government and look forward to

1100
00:50:18,780 --> 00:50:23,220
seeing similar legislation across the

1101
00:50:20,880 --> 00:50:25,440
whole of Australia people struggling

1102
00:50:23,219 --> 00:50:27,719
with issues surrounding their sexuality

1103
00:50:25,440 --> 00:50:29,150
or gender identity are encouraged to

1104
00:50:27,719 --> 00:50:32,159
speak with a general practitioner

1105
00:50:29,150 --> 00:50:34,920
psychologist or counselor not affiliated

1106
00:50:32,159 --> 00:50:37,559
with a religious organization crisis

1107
00:50:34,920 --> 00:50:42,320
helpline such as beyondblue or lifeline

1108
00:50:37,559 --> 00:50:42,320
are available to those in urgent need

1109
00:50:51,599 --> 00:50:54,650
[Music]

1110
00:51:00,219 --> 00:51:04,279
thank you for listening to the skeptic

1111
00:51:02,599 --> 00:51:07,489
zone now as mentioned on last week's

1112

00:51:04,280 --> 00:51:09,380
episode I'm going to be in California in

1113
00:51:07,489 --> 00:51:13,849
a few weeks I'm going to be speaking at

1114
00:51:09,380 --> 00:51:17,769
Berkeley and it's the Bay Area skeptics

1115
00:51:13,849 --> 00:51:20,389
and that will be on the 14th of March at

1116
00:51:17,769 --> 00:51:23,449
LaPenta Cultural Center which is

1117
00:51:20,389 --> 00:51:24,889
downtown Berkeley it's quite easy to

1118
00:51:23,449 --> 00:51:27,529
find there will be a link of course on

1119
00:51:24,889 --> 00:51:30,019
this week's show notes and my talk will

1120
00:51:27,530 --> 00:51:34,580
be Australia's psychic detectives and

1121
00:51:30,019 --> 00:51:37,460
psychic predictions just how many crimes

1122
00:51:34,579 --> 00:51:38,269
have so-called psychic detectives solved

1123
00:51:37,460 --> 00:51:40,610
in Australia

1124
00:51:38,269 --> 00:51:43,280
how do their claims stack up against the

1125
00:51:40,610 --> 00:51:45,950
results do police really call upon the

1126
00:51:43,280 --> 00:51:48,019

paranormal to find missing people join

1127

00:51:45,949 --> 00:51:51,619

Australian sceptic Richard Saunders as

1128

00:51:48,019 --> 00:51:53,929

he examines some famous crimes and the

1129

00:51:51,619 --> 00:51:55,940

alleged supernatural connection also

1130

00:51:53,929 --> 00:51:58,369

Richard will give an overview of the

1131

00:51:55,940 --> 00:52:00,559

world's most comprehensive study into

1132

00:51:58,369 --> 00:52:04,279

psychic predictions it's fun reading a

1133

00:52:00,559 --> 00:52:07,159

blurb about oneself hmm so that's coming

1134

00:52:04,280 --> 00:52:08,600

up on the 14th of March links in this

1135

00:52:07,159 --> 00:52:11,539

week's show notes if you're in the Bay

1136

00:52:08,599 --> 00:52:13,969

Area I would love to see you a shout out

1137

00:52:11,539 --> 00:52:17,599

to Mario thank you to those people

1138

00:52:13,969 --> 00:52:20,269

around the world around the world who

1139

00:52:17,599 --> 00:52:22,909

contribute via patreon and PayPal that's

1140

00:52:20,269 --> 00:52:24,829

very good to know there's support out

1141
00:52:22,909 --> 00:52:27,769
there and the reporters my reporters

1142
00:52:24,829 --> 00:52:29,389
also appreciate that I've done this

1143
00:52:27,769 --> 00:52:31,699
before but it's worth doing it again

1144
00:52:29,389 --> 00:52:34,449
diri what's the conversion rate five

1145
00:52:31,699 --> 00:52:37,219
American dollars into Australian dollars

1146
00:52:34,449 --> 00:52:40,129
five US dollars there's seven dollars

1147
00:52:37,219 --> 00:52:42,679
and one cent there we go there we go a

1148
00:52:40,130 --> 00:52:45,410
couple of extra dollars come my way as

1149
00:52:42,679 --> 00:52:47,359
if by magic but again thank you to all

1150
00:52:45,409 --> 00:52:50,690
those people around the world who do

1151
00:52:47,360 --> 00:52:52,610
support the skeptic zone hmm just think

1152
00:52:50,690 --> 00:52:55,010
I can stock up on Twinkies again a

1153
00:52:52,610 --> 00:53:00,170
favorite of my nieces and nephews

1154
00:52:55,010 --> 00:53:03,740
Twinkies yeah I saw a box here in Sydney

1155
00:53:00,170 --> 00:53:06,519
the other day of Twinkies 14 dollars now

1156
00:53:03,739 --> 00:53:09,589
15 \$14.99 oof

1157
00:53:06,519 --> 00:53:09,860
but for this week Twinkies and all this

1158
00:53:09,590 --> 00:53:12,019
is

1159
00:53:09,860 --> 00:53:17,960
richardsaunders signing off from Sydney

1160
00:53:12,019 --> 00:53:20,659
Australia you've been listening to the

1161
00:53:17,960 --> 00:53:25,250
skeptical zone podcast please visit our

1162
00:53:20,659 --> 00:53:28,549
website at WWDC be for show notes

1163
00:53:25,250 --> 00:53:32,750
contacts and to access the bat catalog

1164
00:53:28,550 --> 00:53:34,460
of episodes going back to 2008 you can

1165
00:53:32,750 --> 00:53:37,519
follow the skeptical zone podcast on

1166
00:53:34,460 --> 00:53:39,800
twitter at skeptical zone visit our

1167
00:53:37,519 --> 00:53:40,690
facebook page or leave a review on

1168
00:53:39,800 --> 00:53:43,370
itunes

1169

00:53:40,690 --> 00:53:46,760
you can also support the skeptic zone

1170
00:53:43,369 --> 00:53:49,480
via patreon or paypal the skeptic zone

1171
00:53:46,760 --> 00:53:51,860
podcast is an independent production

1172
00:53:49,480 --> 00:53:53,990
reviews and opinions expressed on the

1173
00:53:51,860 --> 00:53:56,329
skeptic zone are not necessarily those

1174
00:53:53,989 --> 00:53:58,119
of Australian skeptics or any other

1175
00:53:56,329 --> 00:54:04,418
sceptical organisation

1176
00:53:58,119 --> 00:54:04,418
[Music]

1177
00:54:11,079 --> 00:54:15,650
hello our people who listen after the

1178
00:54:13,340 --> 00:54:17,840
music the afterthoughts is an

1179
00:54:15,650 --> 00:54:20,990
afterthought as you know and if you're

1180
00:54:17,840 --> 00:54:23,809
new to the show you don't hmm every so

1181
00:54:20,989 --> 00:54:27,169
often I will roll a die usually 10-sided

1182
00:54:23,809 --> 00:54:31,489
where is it my little box here here it

1183
00:54:27,170 --> 00:54:33,619

is I've got a 10 sided die here so and

1184

00:54:31,489 --> 00:54:35,509

happened to land on number 4 and I ask

1185

00:54:33,619 --> 00:54:37,730

listeners to use their psychic

1186

00:54:35,510 --> 00:54:40,520

predicting powers to predict the number

1187

00:54:37,730 --> 00:54:42,710

I normally roll it three times last time

1188

00:54:40,519 --> 00:54:46,759

I rolled a 30 sided die this week I'm

1189

00:54:42,710 --> 00:54:49,730

gonna roll a 60 yeah well why not life

1190

00:54:46,760 --> 00:54:52,460

short why not okay so use your psychic

1191

00:54:49,730 --> 00:54:55,369

predicting power and there's a plane

1192

00:54:52,460 --> 00:54:56,720

flying overhead and they don't care use

1193

00:54:55,369 --> 00:54:58,489

your psychic predicting power I'm going

1194

00:54:56,719 --> 00:55:00,369

to roll the die it's going to be one or

1195

00:54:58,489 --> 00:55:03,109

all the way up to number 60

1196

00:55:00,369 --> 00:55:06,009

that's it rolling on the table now and

1197

00:55:03,110 --> 00:55:11,390

I'll spin it and roll it here we go

1198
00:55:06,010 --> 00:55:15,500
falls off the table it's taking a long

1199
00:55:11,389 --> 00:55:16,879
time it looks like Jupiter more than nor

1200
00:55:15,500 --> 00:55:18,860
the strappy patterns here it's coming

1201
00:55:16,880 --> 00:55:20,599
it's slowing don't fall off the table

1202
00:55:18,860 --> 00:55:26,360
it's slowing down I know you're waiting

1203
00:55:20,599 --> 00:55:28,849
for this after all that it's 23 the

1204
00:55:26,360 --> 00:55:30,230
first number is 23 I got to write this

1205
00:55:28,849 --> 00:55:32,210
down because sometimes I do this may

1206
00:55:30,230 --> 00:55:33,829
even forget the numbers you should see

1207
00:55:32,210 --> 00:55:35,869
what goes on behind the scenes here 23

1208
00:55:33,829 --> 00:55:38,989
ok the next number coming up on see if I

1209
00:55:35,869 --> 00:55:48,369
can make this a bit quicker come on

1210
00:55:38,989 --> 00:55:50,049
there we go and the next number is 14

1211
00:55:48,369 --> 00:55:57,909
write that down

1212
00:55:50,050 --> 00:56:00,380
23 14 and the last number that was quick

1213
00:55:57,909 --> 00:56:06,639
27

1214
00:56:00,380 --> 00:56:10,430
this week's winning numbers 23 14 and 27

1215
00:56:06,639 --> 00:56:12,699
is there a mysterious clue in there

1216
00:56:10,429 --> 00:56:12,699
somewhere