



The Skeptic Zone - 137
3 June 2011
Mr. Adam Curry

1
00:00:23,019 --> 00:00:09,110
welcome to the skeptic zone the podcast

2
00:00:23,029 --> 00:00:28,120
yes it's the skeptic zone episode number

3
00:00:38,180 --> 00:00:33,830
137 wow how time flies episode 137 for

4
00:00:40,369 --> 00:00:38,190
the third of jun 2011 Richardson is here

5
00:00:42,319 --> 00:00:40,379
with you still in Sydney Australia which

6
00:00:44,360 --> 00:00:42,329
still exists like the rest of the world

7
00:00:45,920 --> 00:00:44,370
and people weren't floating in the air

8
00:00:49,459 --> 00:00:45,930
because of the rapture that didn't

9
00:00:52,000 --> 00:00:49,469
happen get your tickets now for the next

10
00:00:55,100 --> 00:00:52,010
end of the world event coming your way

11
00:00:58,540 --> 00:00:55,110
going to her tour what is it coming to a

12
00:01:01,279 --> 00:00:58,550
theater near you in October and then

13
00:01:06,020 --> 00:01:01,289

it'll be coming to a theater near you in

14

00:01:08,920 --> 00:01:06,030

December 2012 oh let's just wait until

15

00:01:13,429 --> 00:01:08,930

we get into that end of the world

16

00:01:15,649 --> 00:01:13,439

goings-on ongoings off what do we have

17

00:01:18,140 --> 00:01:15,659

for you on this week's show Maynard is

18

00:01:20,630 --> 00:01:18,150

back and he'd of Use Somebody which I

19

00:01:23,450 --> 00:01:20,640

somebody I find very interesting adam

20

00:01:26,510 --> 00:01:23,460

curry from the no agenda podcast a

21

00:01:28,609 --> 00:01:26,520

favorite podcast of maynard what makes

22

00:01:31,850 --> 00:01:28,619

this man take what's his podcast all

23

00:01:36,140 --> 00:01:31,860

about coming up very soon and following

24

00:01:39,560 --> 00:01:36,150

that we have a segment I did Oh last

25

00:01:42,109 --> 00:01:39,570

year for our very good friends at choice

26
00:01:44,800 --> 00:01:42,119
magazine choice magazine the consumer

27
00:01:46,819 --> 00:01:44,810
watchdog here in Australia and

28
00:01:49,160 --> 00:01:46,829
Australians if you're not a subscriber

29
00:01:52,539 --> 00:01:49,170
to choice magazine or you don't get it

30
00:01:55,249 --> 00:01:52,549
regularly from your news agent do so

31
00:01:57,560 --> 00:01:55,259
they're on our side these are the people

32
00:02:00,260 --> 00:01:57,570
that helped us bring down the scam of

33
00:02:03,230 --> 00:02:00,270
power balance in this country so that's

34
00:02:06,200 --> 00:02:03,240
an interview i did a choice magazine for

35
00:02:09,770 --> 00:02:06,210
their podcast following that it's dr.

36
00:02:12,680 --> 00:02:09,780
Reggie reports now we are so proud of

37
00:02:13,350 --> 00:02:12,690
dr. HC she had a piece published in the

38
00:02:16,560 --> 00:02:13,360

current

39

00:02:18,210 --> 00:02:16,570

issue of cosmos magazine again if you're

40

00:02:21,780 --> 00:02:18,220

not a subscriber or you don't get it at

41

00:02:24,540 --> 00:02:21,790

your news agency that would be your next

42

00:02:28,230 --> 00:02:24,550

step cosmos magazine Australia's premier

43

00:02:32,550 --> 00:02:28,240

science magazine and we're so pleased

44

00:02:37,230 --> 00:02:32,560

that dr. 'he has been published then we

45

00:02:40,260 --> 00:02:37,240

slip back or maybe twenty years where

46

00:02:42,720 --> 00:02:40,270

I've dug up an old interview done by our

47

00:02:45,630 --> 00:02:42,730

current chief executive officer at the

48

00:02:48,240 --> 00:02:45,640

Australian skeptics Tim mendham all

49

00:02:51,090 --> 00:02:48,250

about astrology yes a blast from the

50

00:02:54,270 --> 00:02:51,100

past now does his advice about astrology

51
00:02:56,310 --> 00:02:54,280
still ring true you might find this a

52
00:02:59,490 --> 00:02:56,320
very interesting interview and a good

53
00:03:02,729 --> 00:02:59,500
refresher I think about astrology and to

54
00:03:04,920 --> 00:03:02,739
wind up the show we bring back Maynard

55
00:03:08,370 --> 00:03:04,930
from the beginning of the show where he

56
00:03:09,960 --> 00:03:08,380
tells us a little bit about a scam which

57
00:03:11,310 --> 00:03:09,970
is going around at the moment where

58
00:03:14,430 --> 00:03:11,320
people ring you up and say your

59
00:03:18,240 --> 00:03:14,440
computers infected and they can fix it

60
00:03:20,460 --> 00:03:18,250
for you and horrible things happen in

61
00:03:24,090 --> 00:03:20,470
fact somebody rang me a couple of weeks

62
00:03:25,860 --> 00:03:24,100
ago with this very scam fortunately

63
00:03:27,960 --> 00:03:25,870

thanks to people like Maynard I knew

64

00:03:29,670 --> 00:03:27,970

about the scam so I little bit of fun

65

00:03:31,680 --> 00:03:29,680

kept them on the line for a while and

66

00:03:35,270 --> 00:03:31,690

then and then told them politely what to

67

00:03:38,699 --> 00:03:35,280

do with their with their phone up scam

68

00:03:42,180 --> 00:03:38,709

find out more very good advice from

69

00:03:45,479 --> 00:03:42,190

Maynard and that will wrap up the show

70

00:03:48,120 --> 00:03:45,489

and Maynard is actually asked me to give

71

00:03:51,570 --> 00:03:48,130

a mention in a couple of weeks here in

72

00:03:53,880 --> 00:03:51,580

Sydney coming up supernova science

73

00:03:56,310 --> 00:03:53,890

fiction convention or just google

74

00:03:59,280 --> 00:03:56,320

supernova Sydney and you should find out

75

00:04:02,520 --> 00:03:59,290

more and may not says that he'll be

76

00:04:04,470 --> 00:04:02,530

there and I said they may not well if

77

00:04:07,440 --> 00:04:04,480

you're there I'll be there so we'll both

78

00:04:10,380 --> 00:04:07,450

go along to get some interviews and

79

00:04:13,110 --> 00:04:10,390

maybe film one of maynards video reports

80

00:04:16,770 --> 00:04:13,120

which is great fun also good friend of

81

00:04:19,020 --> 00:04:16,780

our Simon Taylor from Melbourne wants me

82

00:04:21,539 --> 00:04:19,030

to just mention to you that he started

83

00:04:25,500 --> 00:04:21,549

up flim-flam comics so if you google

84

00:04:26,879 --> 00:04:25,510

flim hyphen flam comics you can find out

85

00:04:29,850 --> 00:04:26,889

more from

86

00:04:32,489 --> 00:04:29,860

and Taylor now in the newsletter which a

87

00:04:34,619 --> 00:04:32,499

company is the skeptic zone every week

88

00:04:37,110 --> 00:04:34,629

I'll be putting in some details about

89

00:04:38,969 --> 00:04:37,120

how you if you're living in Sydney can

90

00:04:42,769 --> 00:04:38,979

be in the audience the studio audience

91

00:04:46,110 --> 00:04:42,779

for the taping of the TV show the one

92

00:04:49,469 --> 00:04:46,120

you might want to come along and a cheer

93

00:04:52,469 --> 00:04:49,479

my appearance or throw rotten tomatoes

94

00:04:53,820 --> 00:04:52,479

at me or slap me on the back or kick me

95

00:04:55,800 --> 00:04:53,830

in the pants whatever you want to do

96

00:05:01,140 --> 00:04:55,810

it's going to be a lot of fun i hope and

97

00:05:04,290 --> 00:05:01,150

that show starts taping ah Oh next week

98

00:05:07,170 --> 00:05:04,300

and the for the following seven weeks

99

00:05:10,769 --> 00:05:07,180

after that anyway details on the

100

00:05:13,860 --> 00:05:10,779

newsletter but for now I'm going to nip

101
00:05:17,879 --> 00:05:13,870
downstairs open up the fridge get out a

102
00:05:24,089 --> 00:05:17,889
bottle of vanilla vodka pour it over

103
00:05:26,879 --> 00:05:24,099
some ice sit down sip it slowly and race

104
00:05:42,590 --> 00:05:26,889
back upstairs to listen to the skeptic

105
00:05:50,930 --> 00:05:47,220
years may not spooky action at a

106
00:05:54,750 --> 00:05:52,890
ladies and gentlemen I have on the line

107
00:05:57,660 --> 00:05:54,760
a man who was known as the lone wolf a

108
00:05:59,490 --> 00:05:57,670
former Soviet spy mr. adam curry who is

109
00:06:01,740 --> 00:05:59,500
the co-host of the No Agenda Show with

110
00:06:03,630 --> 00:06:01,750
Jon C Dvorak in the morning one of the

111
00:06:05,430 --> 00:06:03,640
greatest podcasts you could ever listen

112
00:06:09,060 --> 00:06:05,440
to and their mission is none other than

113
00:06:10,410 --> 00:06:09,070

to change reality itself hello Adam hey

114

00:06:12,510 --> 00:06:10,420

in the morning to you mean it always

115

00:06:14,400 --> 00:06:12,520

nice to hear you explain everything

116

00:06:15,540 --> 00:06:14,410

about me was that kind of ride without

117

00:06:17,790 --> 00:06:15,550

what i was saying there was that your

118

00:06:19,800 --> 00:06:17,800

life in one saddle intro I'll take it

119

00:06:22,260 --> 00:06:19,810

you know I've done a lot I I consider

120

00:06:23,610 --> 00:06:22,270

myself a media assassin more than

121

00:06:25,380 --> 00:06:23,620

anything these days though to be quite

122

00:06:27,840 --> 00:06:25,390

honest now people hear the word assassin

123

00:06:29,910 --> 00:06:27,850

and I think Oh violence now not

124

00:06:32,670 --> 00:06:29,920

necessarily so I've been in media all my

125

00:06:35,760 --> 00:06:32,680

life I started in radio when I was 15

126

00:06:37,350 --> 00:06:35,770

and and and I grew up in Amsterdam

127

00:06:39,780 --> 00:06:37,360

actually and worked on pirate radio

128

00:06:41,550 --> 00:06:39,790

there for a while and a hospital closed

129

00:06:43,340 --> 00:06:41,560

circuit station which is great because

130

00:06:46,470 --> 00:06:43,350

the audience isn't going anywhere and

131

00:06:48,810 --> 00:06:46,480

when I was 19 I got my first gig on

132

00:06:51,090 --> 00:06:48,820

television doing a music show in the

133

00:06:52,290 --> 00:06:51,100

Netherlands called countdown which is

134

00:06:54,360 --> 00:06:52,300

actually interesting because of course

135

00:06:57,240 --> 00:06:54,370

some of your listeners will remember

136

00:07:00,030 --> 00:06:57,250

Molly from countdown in Australia huge

137

00:07:02,270 --> 00:07:00,040

legendary show here too yeah and then

138

00:07:04,980 --> 00:07:02,280

MTV in the u.s. I am American by birth

139

00:07:06,930 --> 00:07:04,990

MTV in the u.s. saw me and they asked me

140

00:07:11,100 --> 00:07:06,940

to come and work for them and I moved to

141

00:07:14,010 --> 00:07:11,110

New York in 87 and spent about almost

142

00:07:16,080 --> 00:07:14,020

eight years on air at MTV in in the

143

00:07:17,910 --> 00:07:16,090

United States and then left and then

144

00:07:20,370 --> 00:07:17,920

went into business I've always had a

145

00:07:22,560 --> 00:07:20,380

parallel life of a geek kind of a hybrid

146

00:07:24,870 --> 00:07:22,570

between a media person and an

147

00:07:26,970 --> 00:07:24,880

engineering technical person I'm not a

148

00:07:29,310 --> 00:07:26,980

great program or anything or developer

149

00:07:30,750 --> 00:07:29,320

but I understand the concepts and I'm

150

00:07:33,210 --> 00:07:30,760

pretty good at communicating back and

151
00:07:35,940 --> 00:07:33,220
forth between the two worlds past year

152
00:07:39,540 --> 00:07:35,950
well actually the past in 2007 it is now

153
00:07:41,100 --> 00:07:39,550
I started having skype conversations

154
00:07:42,660 --> 00:07:41,110
with the gentleman I'd met in San

155
00:07:45,480 --> 00:07:42,670
Francisco where I just started a company

156
00:07:46,890 --> 00:07:45,490
his name is john c Dvorak he's a little

157
00:07:49,050 --> 00:07:46,900
bit older than I am no one knows exactly

158
00:07:51,450 --> 00:07:49,060
how old he is he's a very well-known

159
00:07:53,160 --> 00:07:51,460
tech journalist but he's a very

160
00:07:55,620 --> 00:07:53,170
interesting guy he's had a held a number

161
00:07:57,660 --> 00:07:55,630
of crazy positions throughout life has a

162
00:08:00,150 --> 00:07:57,670
lot of knowledge also just life

163
00:08:02,410 --> 00:08:00,160

experience same Jimi Hendrix more than

164

00:08:04,090 --> 00:08:02,420

once live yeah exactly this is the

165

00:08:06,520 --> 00:08:04,100

and a guy he is so he has tons of

166

00:08:08,680 --> 00:08:06,530

interesting stories and one day I said

167

00:08:10,660 --> 00:08:08,690

you know we chatting you know at once a

168

00:08:13,270 --> 00:08:10,670

week on skype said you know why don't we

169

00:08:15,130 --> 00:08:13,280

record that and make it a podcast and

170

00:08:16,300 --> 00:08:15,140

people can listen in because I think

171

00:08:18,220 --> 00:08:16,310

there's some interesting stuff it's

172

00:08:21,460 --> 00:08:18,230

about politics it's about food he's a

173

00:08:23,950 --> 00:08:21,470

judge in wine contest and that is

174

00:08:25,480 --> 00:08:23,960

fascinating and we didn't always agree

175

00:08:27,550 --> 00:08:25,490

on stuff and it's nice when you're

176

00:08:28,630 --> 00:08:27,560

arrogant like me and when you're getting

177

00:08:30,670 --> 00:08:28,640

like him and there's someone who's

178

00:08:32,530 --> 00:08:30,680

saying you know you're full of crap not

179

00:08:34,690 --> 00:08:32,540

a lot of people like him Sarah Palin's

180

00:08:36,790 --> 00:08:34,700

never been anywhere she's pretty much of

181

00:08:38,740 --> 00:08:36,800

a local girl that just has never seen

182

00:08:40,660 --> 00:08:38,750

anything so you get no you no you get no

183

00:08:43,630 --> 00:08:40,670

confluence of ideas you're just kind of

184

00:08:45,340 --> 00:08:43,640

basically your local yokel and they want

185

00:08:46,420 --> 00:08:45,350

that to be the president you don't want

186

00:08:48,670 --> 00:08:46,430

that to be the president you want

187

00:08:50,710 --> 00:08:48,680

somebody that's smarter than you to be

188

00:08:52,240 --> 00:08:50,720

the president not somebody dumber than

189

00:08:53,800 --> 00:08:52,250

you to be the president because he's

190

00:08:56,290 --> 00:08:53,810

kind of misunderstood and I think we

191

00:08:58,510 --> 00:08:56,300

both kind of we were drawn to each other

192

00:09:00,340 --> 00:08:58,520

in that regard we like chatting and Adam

193

00:09:03,130 --> 00:09:00,350

is their profile of the average no

194

00:09:05,260 --> 00:09:03,140

agenda listener hmm I don't know if

195

00:09:08,230 --> 00:09:05,270

there's I mean we know the age ranges

196

00:09:11,050 --> 00:09:08,240

everywhere from 15 year old kids too we

197

00:09:13,390 --> 00:09:11,060

have 87 year old listening hundreds of

198

00:09:15,520 --> 00:09:13,400

thousands of worldwide but it is

199

00:09:18,130 --> 00:09:15,530

typically people who have a nagging

200

00:09:21,550 --> 00:09:18,140

feeling that they're being lied to and

201
00:09:24,190 --> 00:09:21,560
this nagging feeling comes from the fact

202
00:09:27,090 --> 00:09:24,200
that they're being lied to and mainly by

203
00:09:30,160 --> 00:09:27,100
mainstream news organizations who have

204
00:09:33,880 --> 00:09:30,170
multiple agendas any type of commercial

205
00:09:36,430 --> 00:09:33,890
media the actual programming is not the

206
00:09:38,740 --> 00:09:36,440
product but the audience is the product

207
00:09:40,720 --> 00:09:38,750
and let me just explain that if you're

208
00:09:42,940 --> 00:09:40,730
watching a commercial television station

209
00:09:45,520 --> 00:09:42,950
yeah you may think that that station is

210
00:09:46,990 --> 00:09:45,530
serving you with great programming what

211
00:09:50,170 --> 00:09:47,000
they're really doing and will do

212
00:09:53,170 --> 00:09:50,180
anything to make it happen witness the

213
00:09:55,270 --> 00:09:53,180

birth of reality television is they are

214

00:09:57,070 --> 00:09:55,280

selling you as an audience as an

215

00:10:00,550 --> 00:09:57,080

aggregate as a demographic to

216

00:10:02,770 --> 00:10:00,560

advertisers that in today's world of the

217

00:10:04,960 --> 00:10:02,780

internet and complete interconnectivity

218

00:10:06,940 --> 00:10:04,970

between human beings it's kind of

219

00:10:08,590 --> 00:10:06,950

annoying and people can't really put

220

00:10:11,260 --> 00:10:08,600

their finger on it they don't always

221

00:10:13,540 --> 00:10:11,270

feel what it is but they know there's a

222

00:10:16,630 --> 00:10:13,550

lot of bull crap being passed around and

223

00:10:18,910 --> 00:10:16,640

when you tune into no agenda invariably

224

00:10:21,580 --> 00:10:18,920

and we do it twice a week you're going

225

00:10:23,770 --> 00:10:21,590

to hear us discussing a topic and from

226

00:10:26,350 --> 00:10:23,780

our media backgrounds our experiential

227

00:10:28,680 --> 00:10:26,360

backgrounds are John's background as a

228

00:10:31,540 --> 00:10:28,690

journalist my background as a

229

00:10:33,760 --> 00:10:31,550

entertainment person we're going to lift

230

00:10:35,860 --> 00:10:33,770

the veil and say well here's really how

231

00:10:38,440 --> 00:10:35,870

it works the biggest barrier to people

232

00:10:40,570 --> 00:10:38,450

absorbing shows like no agenda is that

233

00:10:42,160 --> 00:10:40,580

they've got 0 instead of switching on

234

00:10:43,720 --> 00:10:42,170

the dial getting the show straight away

235

00:10:45,910 --> 00:10:43,730

they've actually got to make a bit of an

236

00:10:48,190 --> 00:10:45,920

effort to find it and do a bit of work

237

00:10:49,600 --> 00:10:48,200

and downloading a podcast or getting

238

00:10:50,860 --> 00:10:49,610

onto the stream and I think that's your

239

00:10:52,690 --> 00:10:50,870

biggest barrier how do you hope to

240

00:10:54,640 --> 00:10:52,700

overcome that I don't know if that's our

241

00:10:56,710 --> 00:10:54,650

biggest barrier what's so great about

242

00:10:59,800 --> 00:10:56,720

our audiences and again they are

243

00:11:01,870 --> 00:10:59,810

producers they are very current with how

244

00:11:03,610 --> 00:11:01,880

people are consuming media I have a 20

245

00:11:05,230 --> 00:11:03,620

year old daughter she doesn't have a

246

00:11:07,420 --> 00:11:05,240

television she doesn't listen to radio

247

00:11:09,490 --> 00:11:07,430

oh she watches and listens to everything

248

00:11:11,770 --> 00:11:09,500

on her computer thank God she also reads

249

00:11:14,170 --> 00:11:11,780

regular books which it gives me hope

250

00:11:16,480 --> 00:11:14,180

what's nice is people have created apps

251
00:11:18,460 --> 00:11:16,490
very simple for the masses you know you

252
00:11:20,140 --> 00:11:18,470
go get a nap and you just click on it

253
00:11:22,330 --> 00:11:20,150
and it just kind of works so all of that

254
00:11:24,850 --> 00:11:22,340
is is getting quite easy to consume I

255
00:11:27,700 --> 00:11:24,860
would say the hardest part for people to

256
00:11:29,980 --> 00:11:27,710
become a part of the community and

257
00:11:31,840 --> 00:11:29,990
listening is when you first hear the

258
00:11:33,310 --> 00:11:31,850
show it's like someone saying you see

259
00:11:35,410 --> 00:11:33,320
that color there that you think is black

260
00:11:37,630 --> 00:11:35,420
I'm sorry that's white that's very hard

261
00:11:39,490 --> 00:11:37,640
for people and it takes it takes some

262
00:11:41,890 --> 00:11:39,500
effort and it takes a while to get over

263
00:11:46,330 --> 00:11:41,900

it but once you wake up to the reality

264

00:11:49,240 --> 00:11:46,340
of the matrix like world that we

265

00:11:52,330 --> 00:11:49,250
actually live in the world of you know

266

00:11:55,660 --> 00:11:52,340
each of sg's go to school do your

267

00:11:58,630 --> 00:11:55,670
homework go to the University get a

268

00:12:01,150 --> 00:11:58,640
degree get a job pay your taxes go home

269

00:12:03,280 --> 00:12:01,160
watch television make sure you shop you

270

00:12:05,020 --> 00:12:03,290
are free once you see that that's not

271

00:12:07,750 --> 00:12:05,030
true that you're actually a slave of the

272

00:12:10,870 --> 00:12:07,760
system then you really get into the show

273

00:12:13,000 --> 00:12:10,880
because we don't sit there and [h__\h] and

274

00:12:14,740 --> 00:12:13,010
moan about it we turn it into humor

275

00:12:17,320 --> 00:12:14,750
because I think we've always been

276

00:12:19,390 --> 00:12:17,330

screwed throughout hundreds of years is

277

00:12:21,100 --> 00:12:19,400

just now we actually have the

278

00:12:23,140 --> 00:12:21,110

information at our fingertips to say

279

00:12:25,210 --> 00:12:23,150

well here you go this is the truth and

280

00:12:26,079 --> 00:12:25,220

this is what you're being told and once

281

00:12:28,239 --> 00:12:26,089

that veil

282

00:12:29,860 --> 00:12:28,249

if it's kind of like the guy behind the

283

00:12:32,860 --> 00:12:29,870

curtain in The Wizard of Oz it's like

284

00:12:35,619 --> 00:12:32,870

wow really that's pretty amazing and you

285

00:12:38,679 --> 00:12:35,629

feel better about yourself because you

286

00:12:40,480 --> 00:12:38,689

can then watch news or television or

287

00:12:44,650 --> 00:12:40,490

whatever messages are being propagated

288

00:12:46,689 --> 00:12:44,660

around you and you can kind of laugh and

289

00:12:48,189 --> 00:12:46,699

say I know what the truth is as long as

290

00:12:49,449 --> 00:12:48,199

you know it you may not be able to

291

00:12:51,610 --> 00:12:49,459

change it and I don't think we're

292

00:12:54,009 --> 00:12:51,620

changing the world necessarily or we are

293

00:12:55,929 --> 00:12:54,019

changing people's reality and your

294

00:12:57,850 --> 00:12:55,939

reality is yours and it's your truth

295

00:13:00,129 --> 00:12:57,860

you're listening to adam carry co-host

296

00:13:03,340 --> 00:13:00,139

of the no agenda show at no agenda show

297

00:13:05,230 --> 00:13:03,350

calm Adam with that heavy weight on your

298

00:13:07,179 --> 00:13:05,240

shoulders you say you deal with the

299

00:13:08,980 --> 00:13:07,189

humor how do you feel on daily basis

300

00:13:11,290 --> 00:13:08,990

when you know most people are accepting

301
00:13:12,939 --> 00:13:11,300
what they call consensus reality and

302
00:13:15,280 --> 00:13:12,949
you're seeing another way that people

303
00:13:18,009 --> 00:13:15,290
just never see I feel very happy that

304
00:13:20,739 --> 00:13:18,019
for every person who we turn on to react

305
00:13:22,989 --> 00:13:20,749
to our reality let me put it that way it

306
00:13:27,939 --> 00:13:22,999
delights me that that is happening I

307
00:13:29,590 --> 00:13:27,949
feel bad for people who don't see it or

308
00:13:31,780 --> 00:13:29,600
don't see ya does he also see it as a

309
00:13:33,369 --> 00:13:31,790
challenge and your listeners might be

310
00:13:34,809 --> 00:13:33,379
interested to know that of course we

311
00:13:37,150 --> 00:13:34,819
don't have any commercials on our

312
00:13:38,919 --> 00:13:37,160
program we do it twice a week it's two

313
00:13:40,569 --> 00:13:38,929

two and a half hours kind of when we run

314

00:13:44,019 --> 00:13:40,579

out then we're done it's Thursday

315

00:13:46,269 --> 00:13:44,029

morning in the United States and Sunday

316

00:13:48,639 --> 00:13:46,279

morning in order to do this work we

317

00:13:50,769 --> 00:13:48,649

can't my co-host John and I can't really

318

00:13:53,019 --> 00:13:50,779

do anything else so we started a while

319

00:13:54,249 --> 00:13:53,029

back and we said well this is value for

320

00:13:56,290 --> 00:13:54,259

value if you like what we're doing

321

00:13:58,119 --> 00:13:56,300

you're gonna have to support us and just

322

00:14:01,480 --> 00:13:58,129

like Hollywood will give you a credit if

323

00:14:03,280 --> 00:14:01,490

you fund our program so if you watch any

324

00:14:05,769 --> 00:14:03,290

television program you'll see credits

325

00:14:07,869 --> 00:14:05,779

you'll see executive producer and

326

00:14:10,299 --> 00:14:07,879

producer and co-executive producer and

327

00:14:12,489 --> 00:14:10,309

created by and co-creators and all that

328

00:14:14,199 --> 00:14:12,499

sometimes it's the first five minutes is

329

00:14:16,210 --> 00:14:14,209

just titles these are the people who

330

00:14:18,999 --> 00:14:16,220

have either done something for that

331

00:14:20,829 --> 00:14:19,009

program but typically have financed it

332

00:14:23,499 --> 00:14:20,839

credit is an important thing to people

333

00:14:25,269 --> 00:14:23,509

they it means a lot to them and it means

334

00:14:28,389 --> 00:14:25,279

a lot to us we've taken it a step

335

00:14:31,360 --> 00:14:28,399

further since the United States we can

336

00:14:33,699 --> 00:14:31,370

do this we also offer knighthoods so if

337

00:14:35,230 --> 00:14:33,709

you've supported the show because it's

338

00:14:37,119 --> 00:14:35,240

almost impossible to become a knight

339

00:14:38,870 --> 00:14:37,129

assertive anything in the u.s. because

340

00:14:41,480 --> 00:14:38,880

you're not in the subject so why

341

00:14:43,550 --> 00:14:41,490

create your own yes and who says we

342

00:14:45,260 --> 00:14:43,560

can't right I mean you can you can start

343

00:14:46,730 --> 00:14:45,270

a church you can start you can become a

344

00:14:49,100 --> 00:14:46,740

minister of your own church that's

345

00:14:52,100 --> 00:14:49,110

perfectly legal so we have knighthoods

346

00:14:54,170 --> 00:14:52,110

and we measure that by support of the

347

00:14:58,300 --> 00:14:54,180

show in excess of one thousand dollars

348

00:15:00,170 --> 00:14:58,310

and you join the the No Agenda

349

00:15:02,600 --> 00:15:00,180

roundtable of the nights we also have

350

00:15:04,310 --> 00:15:02,610

Dame's in a way it's a status symbol but

351

00:15:07,010 --> 00:15:04,320

there are certain responsibilities and

352

00:15:09,380 --> 00:15:07,020

the Knights do look out for each other

353

00:15:12,640 --> 00:15:09,390

and they do have and they're all around

354

00:15:16,910 --> 00:15:12,650

the world we hereby Knight thee sir

355

00:15:19,490 --> 00:15:16,920

Michael Knight of the knowledge and

356

00:15:21,950 --> 00:15:19,500

around tables please join us here with

357

00:15:29,720 --> 00:15:21,960

other knights and dames protect your

358

00:15:34,290 --> 00:15:32,910

is that music different yeah if someone

359

00:15:35,520 --> 00:15:34,300

sent today like electromatic kind of

360

00:15:38,070 --> 00:15:35,530

like it I kind of like it was kind of

361

00:15:40,830 --> 00:15:38,080

nice so every morning when I wake up I

362

00:15:42,840 --> 00:15:40,840

am thankful and I think my rent was paid

363

00:15:44,910 --> 00:15:42,850

by the people who value the work that

364

00:15:48,000 --> 00:15:44,920

I'm doing it's a very old-fashioned

365

00:15:50,190 --> 00:15:48,010

medium hot hole yet very futuristic and

366

00:15:52,710 --> 00:15:50,200

it's working and that can only be

367

00:15:55,290 --> 00:15:52,720

because the audience is not the product

368

00:15:57,420 --> 00:15:55,300

the actual product we are bringing them

369

00:16:00,840 --> 00:15:57,430

is the product and they like it why do

370

00:16:02,940 --> 00:16:00,850

you think people are so suspicious of

371

00:16:06,150 --> 00:16:02,950

the official Osama bin Laden

372

00:16:07,530 --> 00:16:06,160

assassination story well almost

373

00:16:08,790 --> 00:16:07,540

immediately people are going now that's

374

00:16:10,770 --> 00:16:08,800

not right but they don't believe it's

375

00:16:13,110 --> 00:16:10,780

straight up well they really fumbled a

376

00:16:16,110 --> 00:16:13,120

lot on this one already this is not

377

00:16:18,870 --> 00:16:16,120

being discussed first it was though we

378

00:16:21,330 --> 00:16:18,880

went in and he used a woman as a human

379

00:16:23,430 --> 00:16:21,340

shield and then all of a sudden now well

380

00:16:25,500 --> 00:16:23,440

actually someone jumped in front and he

381

00:16:27,720 --> 00:16:25,510

was unarmed so they had to retract all

382

00:16:29,910 --> 00:16:27,730

of that so when you come out with your

383

00:16:32,250 --> 00:16:29,920

with your initial statement and you have

384

00:16:36,690 --> 00:16:32,260

to retract it that's not necessarily a

385

00:16:39,330 --> 00:16:36,700

very good thing also you know we we

386

00:16:44,040 --> 00:16:39,340

threw the body in the sea the part of a

387

00:16:47,730 --> 00:16:44,050

the Muslim burial ceremony yeah yeah I

388

00:16:50,190 --> 00:16:47,740

know a lot of people who practice Islam

389

00:16:52,050 --> 00:16:50,200

who live in the sea usually they're

390

00:16:55,500 --> 00:16:52,060

buried in the desert where their head

391

00:16:57,060 --> 00:16:55,510

towards Mecca so we don't have a body we

392

00:16:59,130 --> 00:16:57,070

don't have the evidence we're not going

393

00:17:01,140 --> 00:16:59,140

to release the pictures although I think

394

00:17:03,240 --> 00:17:01,150

in general though in the United States I

395

00:17:07,380 --> 00:17:03,250

think people do believe that he was

396

00:17:09,900 --> 00:17:07,390

killed the way how and why is that's

397

00:17:11,910 --> 00:17:09,910

questionable you know what what's more

398

00:17:14,910 --> 00:17:11,920

important is you know there's a new

399

00:17:17,280 --> 00:17:14,920

episode of the Kardashians coming up you

400

00:17:19,980 --> 00:17:17,290

know people are just so anesthetized

401
00:17:21,720 --> 00:17:19,990
that they don't even care I think

402
00:17:24,030 --> 00:17:21,730
anymore it's like okay ding dong the

403
00:17:25,260 --> 00:17:24,040
witch is dead whatever move on next oh

404
00:17:27,270 --> 00:17:25,270
they're probably going to start

405
00:17:29,640 --> 00:17:27,280
attacking us here in the homeland as we

406
00:17:33,030 --> 00:17:29,650
call it so yeah now I guess we should

407
00:17:35,190 --> 00:17:33,040
yeah we need naked body scanners when we

408
00:17:37,610 --> 00:17:35,200
go shopping or go to a sporting event or

409
00:17:40,530 --> 00:17:37,620
get on the train now being proposed

410
00:17:42,580 --> 00:17:40,540
they've been beaten into submission now

411
00:17:46,330 --> 00:17:42,590
there's a lot of people who are skeptic

412
00:17:47,980 --> 00:17:46,340
in general about Osama bin Laden and

413
00:17:50,140 --> 00:17:47,990

that's been going on for years and years

414

00:17:52,720 --> 00:17:50,150

and years the timing of this was very

415

00:17:56,350 --> 00:17:52,730

interesting unfortunately most people

416

00:17:58,539 --> 00:17:56,360

shrug and go whatever okay maybe maybe

417

00:18:02,529 --> 00:17:58,549

not don't care i have to say by the way

418

00:18:05,500 --> 00:18:02,539

I love Australia I was there for two

419

00:18:09,370 --> 00:18:05,510

weeks doing a documentary in the early

420

00:18:12,850 --> 00:18:09,380

90s to me it was the perfect mix of kind

421

00:18:15,389 --> 00:18:12,860

of old-world British tradition which is

422

00:18:18,399 --> 00:18:15,399

logical why some of us that's in there

423

00:18:22,029 --> 00:18:18,409

American commercialism I love your malls

424

00:18:24,039 --> 00:18:22,039

but also a Dutch something very Dutch

425

00:18:25,899 --> 00:18:24,049

there as well having grown up in the

426

00:18:27,639 --> 00:18:25,909

Netherlands something we call hose Ella

427

00:18:28,870 --> 00:18:27,649

height which is kind of that doesn't

428

00:18:32,019 --> 00:18:28,880

really translate but it's kind of

429

00:18:35,200 --> 00:18:32,029

coziness and my fiance and i discussed

430

00:18:37,480 --> 00:18:35,210

many times not only paying another visit

431

00:18:39,220 --> 00:18:37,490

but we actually would consider a move

432

00:18:42,310 --> 00:18:39,230

look I've got a sense of humor about

433

00:18:44,590 --> 00:18:42,320

even the most serious things this is so

434

00:18:47,380 --> 00:18:44,600

incredibly important the sense of humor

435

00:18:49,330 --> 00:18:47,390

is really what it is we're losing that

436

00:18:51,190 --> 00:18:49,340

in America I think that we're trying to

437

00:18:53,260 --> 00:18:51,200

bring some of that back it's not

438

00:18:55,779 --> 00:18:53,270

cynicism though in the United Kingdom

439

00:18:58,240 --> 00:18:55,789

it's cynicism and it's just like

440

00:19:00,399 --> 00:18:58,250

whatever you know bohica as they say

441

00:19:02,289 --> 00:19:00,409

bend over here it comes again they can't

442

00:19:05,860 --> 00:19:02,299

they can't get there just they've given

443

00:19:08,740 --> 00:19:05,870

up you need to have a fair or a healthy

444

00:19:10,779 --> 00:19:08,750

dose of humor but also the willingness

445

00:19:12,669 --> 00:19:10,789

to stand up and say I don't think so

446

00:19:14,740 --> 00:19:12,679

adam curry thank you for propagating

447

00:19:18,010 --> 00:19:14,750

your formula coming here and hitting me

448

00:19:32,149 --> 00:19:18,020

in the mouth it's quite a pleasure to do

449

00:19:37,049 --> 00:19:34,620

now on Belfast FM we turn to the

450

00:19:39,120 --> 00:19:37,059

personal ads easygoing and confident

451

00:19:41,789 --> 00:19:39,130

skeptic seeks other critical thinkers

452

00:19:43,799 --> 00:19:41,799

for fun laughter and good times must be

453

00:19:45,899 --> 00:19:43,809

willing to apply logic liberally and a

454

00:19:47,970 --> 00:19:45,909

good listener expect something new and

455

00:19:49,950 --> 00:19:47,980

interesting every month come and meet me

456

00:19:51,840 --> 00:19:49,960

in Belfast in Northern Ireland if this

457

00:19:55,440 --> 00:19:51,850

sounds like you check out my profile on

458

00:20:01,799 --> 00:19:55,450

Belfast skeptics calm music by Kevin

459

00:20:04,440 --> 00:20:01,809

MacLeod you're listening to choice radio

460

00:20:08,730 --> 00:20:04,450

a regular audio podcast from the team

461

00:20:12,840 --> 00:20:11,160

hello and welcome to choice radio I'm

462

00:20:15,330 --> 00:20:12,850

Elise Davidson and today I'll be having

463

00:20:17,400 --> 00:20:15,340

a chat with Richard Saunders from the

464

00:20:19,440 --> 00:20:17,410

Australian skeptics the Australian

465

00:20:21,630 --> 00:20:19,450

skeptics is a nonprofit organization

466

00:20:24,060 --> 00:20:21,640

based in Australia which investigates

467

00:20:26,910 --> 00:20:24,070

paranormal and pseudo scientific claims

468

00:20:28,260 --> 00:20:26,920

using scientific methodologies welcome

469

00:20:30,570 --> 00:20:28,270

to the program Richard thank you very

470

00:20:32,100 --> 00:20:30,580

much first of all can you tell our

471

00:20:34,290 --> 00:20:32,110

listeners a little bit about the history

472

00:20:37,650 --> 00:20:34,300

of Australian skeptics yeah Australian

473

00:20:39,630 --> 00:20:37,660

skeptics kicked off in the and about

474

00:20:41,490 --> 00:20:39,640

nineteen eighty and the original

475

00:20:43,590 --> 00:20:41,500

inspiration was all the funny stuff

476
00:20:45,930 --> 00:20:43,600
going on in the 70s with spoon bending

477
00:20:48,450 --> 00:20:45,940
in UFOs and ghosts and Bigfoot it was

478
00:20:50,310 --> 00:20:48,460
all really popular back then and a man

479
00:20:52,350 --> 00:20:50,320
by the name of James Randi came out at

480
00:20:54,390 --> 00:20:52,360
the invitation of Dick Smith the famous

481
00:20:56,640 --> 00:20:54,400
dick smith and conducted a very

482
00:20:59,190 --> 00:20:56,650
comprehensive set of water divining

483
00:21:00,690 --> 00:20:59,200
tests because one of the claims that has

484
00:21:03,870 --> 00:21:00,700
never gone away as those of water

485
00:21:05,580 --> 00:21:03,880
diviners water douses and much to the

486
00:21:07,950 --> 00:21:05,590
surprise of the water diviners they all

487
00:21:10,380 --> 00:21:07,960
failed the test miserably but anyway

488
00:21:12,990 --> 00:21:10,390

after that the organization was sort of

489

00:21:15,630 --> 00:21:13,000

kicked off with Philip Adams Dick Smith

490

00:21:18,240 --> 00:21:15,640

Richard Carlton was involved way back

491

00:21:20,850 --> 00:21:18,250

then originally and the founders yeah so

492

00:21:22,799 --> 00:21:20,860

you recently went to the mind body and

493

00:21:25,169 --> 00:21:22,809

spirit festival in Sydney I believe now

494

00:21:26,970 --> 00:21:25,179

these that's a festival that towards the

495

00:21:28,650 --> 00:21:26,980

country pretty regularly yeah can you

496

00:21:30,900 --> 00:21:28,660

tell me a bit about that yeah we've been

497

00:21:32,640 --> 00:21:30,910

going to that for well I've been going

498

00:21:35,010 --> 00:21:32,650

personally for over ten years every six

499

00:21:36,570 --> 00:21:35,020

months it's like a continuing torture

500

00:21:38,640 --> 00:21:36,580

pin last week I enjoy it I want to do I

501
00:21:40,590 --> 00:21:38,650
love it I love it now this is all under

502
00:21:42,930 --> 00:21:40,600
the banner of new age and what we've

503
00:21:44,640 --> 00:21:42,940
discovered in the skeptics is under the

504
00:21:46,620 --> 00:21:44,650
banner of new age you can just about say

505
00:21:49,250 --> 00:21:46,630
anything make any outrageous claim and

506
00:21:51,660 --> 00:21:49,260
most of the people who go along are

507
00:21:53,580 --> 00:21:51,670
believers and they'll often believe

508
00:21:56,010 --> 00:21:53,590
everything they've been taught or shown

509
00:21:59,790 --> 00:21:56,020
at these these things and not only that

510
00:22:01,680 --> 00:21:59,800
is that they will instantly defend these

511
00:22:03,150 --> 00:22:01,690
claims even if they're completely

512
00:22:05,280 --> 00:22:03,160
outrageous and flying the laws of

513
00:22:07,350 --> 00:22:05,290

physics it almost reminds me of a

514

00:22:09,780 --> 00:22:07,360

religious outlook that's fascinating so

515

00:22:12,140 --> 00:22:09,790

what sort of items or stalls would you

516

00:22:15,570 --> 00:22:12,150

find at a mind body and spirit festival

517

00:22:19,350 --> 00:22:15,580

largely things dealing with health which

518

00:22:21,930 --> 00:22:19,360

is probably why we're so interested now

519

00:22:22,390 --> 00:22:21,940

I have in front of me something called a

520

00:22:24,160 --> 00:22:22,400

code

521

00:22:26,230 --> 00:22:24,170

conduct this is by the New South Wales

522

00:22:28,030 --> 00:22:26,240

health and the Australian cares

523

00:22:31,000 --> 00:22:28,040

Complaints Commission which was put out

524

00:22:33,100 --> 00:22:31,010

for unregistered health care providers

525

00:22:34,360 --> 00:22:33,110

now this is largely the people who go

526

00:22:36,220 --> 00:22:34,370

along and set up their stalls at mind

527

00:22:38,200 --> 00:22:36,230

body spirit or mind-body wallet as we

528

00:22:40,540 --> 00:22:38,210

call it and we're talking from

529

00:22:42,670 --> 00:22:40,550

everything of everyone from iridology to

530

00:22:44,670 --> 00:22:42,680

naturopaths to people with bizarre

531

00:22:47,890 --> 00:22:44,680

machines that can test your allergies

532

00:22:49,480 --> 00:22:47,900

using magic basically and what they say

533

00:22:51,190 --> 00:22:49,490

is quantum physics this is just

534

00:22:54,250 --> 00:22:51,200

gobbledygook of course but it's

535

00:22:56,890 --> 00:22:54,260

interesting this code of conduct one of

536

00:22:59,890 --> 00:22:56,900

the stipulations here is number 17 is

537

00:23:02,470 --> 00:22:59,900

that this code itself must be displayed

538

00:23:04,810 --> 00:23:02,480

wherever these people are practicing so

539

00:23:06,970 --> 00:23:04,820

we play code of conduct bingo when we go

540

00:23:10,480 --> 00:23:06,980

to the mind-body wallet and we always

541

00:23:13,690 --> 00:23:10,490

score a big fat zero ah and also went

542

00:23:16,450 --> 00:23:13,700

number 5 says they cannot make claims to

543

00:23:19,450 --> 00:23:16,460

cure serious illness right cancer for

544

00:23:20,800 --> 00:23:19,460

example or AIDS but everywhere you go if

545

00:23:22,510 --> 00:23:20,810

you have a word to these people they

546

00:23:24,190 --> 00:23:22,520

will tell you that their herb they grew

547

00:23:25,870 --> 00:23:24,200

in their backyard or this berry from the

548

00:23:29,230 --> 00:23:25,880

Amazon which science doesn't know about

549

00:23:33,070 --> 00:23:29,240

yet we'll cure cancer we'll cure AIDS

550

00:23:35,010 --> 00:23:33,080

it's outrageous and it really is time

551
00:23:38,110 --> 00:23:35,020
that the government raided this

552
00:23:40,870 --> 00:23:38,120
mind-body-spirit sham because people

553
00:23:44,260 --> 00:23:40,880
have been told very very dangerous and

554
00:23:46,630 --> 00:23:44,270
bad advice another instance was some

555
00:23:48,790 --> 00:23:46,640
people we came across selling a little

556
00:23:51,580 --> 00:23:48,800
amulet you wear around your neck which

557
00:23:54,250 --> 00:23:51,590
despite all the other magical powers can

558
00:23:56,110 --> 00:23:54,260
turn drinking water into sunblock this

559
00:23:59,050 --> 00:23:56,120
is outrageous this is bordering on

560
00:24:02,380 --> 00:23:59,060
criminal surely how is it supposed to it

561
00:24:04,630 --> 00:24:02,390
it energizes the water with magic scalar

562
00:24:06,730 --> 00:24:04,640
energy which tyler yeah it looks it

563
00:24:09,280 --> 00:24:06,740

doesn't is that someone's just made this

564

00:24:10,600 --> 00:24:09,290

up it's just to sell the product did the

565

00:24:12,580 --> 00:24:10,610

people selling the products believe in

566

00:24:13,870 --> 00:24:12,590

them then largely yes he's very

567

00:24:15,640 --> 00:24:13,880

concerning when you're talking about

568

00:24:17,620 --> 00:24:15,650

things like cancer and and sunblock

569

00:24:18,850 --> 00:24:17,630

giving is your skin health it's now

570

00:24:20,560 --> 00:24:18,860

there's a lot of things at the mind body

571

00:24:22,180 --> 00:24:20,570

spirit which are good fun you can buy

572

00:24:24,790 --> 00:24:22,190

lots a nice food there you can meditate

573

00:24:27,790 --> 00:24:24,800

and that's fine great feel happy and

574

00:24:29,620 --> 00:24:27,800

enjoy that side of life but when there

575

00:24:32,080 --> 00:24:29,630

are people there endangering your health

576
00:24:34,120 --> 00:24:32,090
directly endangering your health that's

577
00:24:35,010 --> 00:24:34,130
very serious and year after year we

578
00:24:36,540 --> 00:24:35,020
wonder

579
00:24:37,950 --> 00:24:36,550
the government this code of conduct that

580
00:24:40,470 --> 00:24:37,960
you were talking about before is that a

581
00:24:42,720 --> 00:24:40,480
voluntary code that people can sign up

582
00:24:45,810 --> 00:24:42,730
to these sort of none health position as

583
00:24:48,060 --> 00:24:45,820
as far as i know this code is you don't

584
00:24:49,530 --> 00:24:48,070
sign up to it this is law if you're not

585
00:24:51,630 --> 00:24:49,540
involved in the body which has

586
00:24:53,550 --> 00:24:51,640
regulations like doctors for example

587
00:24:55,860 --> 00:24:53,560
have our body there to take care of that

588
00:24:57,420 --> 00:24:55,870

well this this is for all the people

589

00:25:00,120 --> 00:24:57,430

that fall through the gap that aren't

590

00:25:01,950 --> 00:25:00,130

registered in a body which has the codes

591

00:25:03,750 --> 00:25:01,960

of conduct this covers those people I

592

00:25:06,690 --> 00:25:03,760

say so what other protections are in

593

00:25:08,070 --> 00:25:06,700

place Richard for consumers against you

594

00:25:10,860 --> 00:25:08,080

know not only wasting their money but

595

00:25:12,600 --> 00:25:10,870

endangering their health I wish there

596

00:25:14,400 --> 00:25:12,610

were more i just don't think there are

597

00:25:16,950 --> 00:25:14,410

enough in fact what can you do you can

598

00:25:18,600 --> 00:25:16,960

sue the people talk to a lawyer ring up

599

00:25:20,010 --> 00:25:18,610

your local member and say why aren't

600

00:25:21,600 --> 00:25:20,020

these people being stopped when they're

601
00:25:23,040 --> 00:25:21,610
making outrageous health claims come to

602
00:25:25,200 --> 00:25:23,050
the australian skeptics and we'll try to

603
00:25:27,510 --> 00:25:25,210
make a fuss for you there's not enough

604
00:25:30,120 --> 00:25:27,520
protection and what about the trade

605
00:25:32,400 --> 00:25:30,130
practices act in terms of section 74

606
00:25:34,590 --> 00:25:32,410
false and misleading advertising is it

607
00:25:36,180 --> 00:25:34,600
is the a triple c this trailing

608
00:25:38,490 --> 00:25:36,190
Competition and Consumer Commission not

609
00:25:40,710 --> 00:25:38,500
going after these people because it's

610
00:25:43,020 --> 00:25:40,720
sort of small small fish I would expect

611
00:25:44,940 --> 00:25:43,030
that's right and probably because not

612
00:25:47,490 --> 00:25:44,950
many direct complaints are made about

613
00:25:49,860 --> 00:25:47,500

them because as a great expression by

614

00:25:51,660 --> 00:25:49,870

saying from Benjamin Franklin there are

615

00:25:53,670 --> 00:25:51,670

no greater lies in the world than quacks

616

00:25:55,200 --> 00:25:53,680

apart from their patients in other words

617

00:25:56,700 --> 00:25:55,210

people won't go to complain because

618

00:25:59,070 --> 00:25:56,710

they'll probably think it's their fault

619

00:26:00,570 --> 00:25:59,080

the cure failed right it can't be the

620

00:26:02,340 --> 00:26:00,580

magic amulet because they have a

621

00:26:04,020 --> 00:26:02,350

complete trust and belief in it it's

622

00:26:06,090 --> 00:26:04,030

these sort of people that are leaving

623

00:26:07,980 --> 00:26:06,100

themselves wide open to being ripped off

624

00:26:09,720 --> 00:26:07,990

financially and having their health

625

00:26:11,730 --> 00:26:09,730

endangered have you got any idea how big

626
00:26:13,170 --> 00:26:11,740
this industries and how many millions of

627
00:26:15,990 --> 00:26:13,180
dollars a year is spent on these kind of

628
00:26:17,670 --> 00:26:16,000
products let's try for billions the

629
00:26:20,280 --> 00:26:17,680
alternative health industry the wellness

630
00:26:21,810 --> 00:26:20,290
industry the new age and everything that

631
00:26:24,300 --> 00:26:21,820
falls under that umbrella is a

632
00:26:27,210 --> 00:26:24,310
multinational multi-billion dollar

633
00:26:29,190 --> 00:26:27,220
juggernaut and as I said before it's got

634
00:26:32,100 --> 00:26:29,200
this wonderful protection mechanism of

635
00:26:34,480 --> 00:26:32,110
believers it's quite incredible sure is

636
00:26:35,919 --> 00:26:34,490
this has been a fascinating discussion

637
00:26:41,440 --> 00:26:35,929
thanks so much for coming in to talk to

638
00:26:43,540 --> 00:26:41,450

us today Richard my pleasure this has

639

00:26:45,580 --> 00:26:43,550

been the choice radio podcast for more

640

00:26:48,490 --> 00:26:45,590

information on today's topic and others

641

00:26:58,060 --> 00:26:48,500

visit our website at choice combo vu

642

00:26:59,200 --> 00:26:58,070

thanks for listening hi this is michael

643

00:27:01,030 --> 00:26:59,210

cruz from the committee for the

644

00:27:03,700 --> 00:27:01,040

advancement of scientific skepticism at

645

00:27:04,870 --> 00:27:03,710

the center for inquiry canada Cass is

646

00:27:06,940 --> 00:27:04,880

committed to critically examining

647

00:27:08,830 --> 00:27:06,950

scientific technological and medical

648

00:27:11,470 --> 00:27:08,840

claims in the public forum across Canada

649

00:27:13,450 --> 00:27:11,480

working with our expert advisors local

650

00:27:15,040 --> 00:27:13,460

cfi branches and other skeptical groups

651

00:27:16,510 --> 00:27:15,050

Cass confronts the peddlers of

652

00:27:19,510 --> 00:27:16,520

pseudoscience with evidence-based

653

00:27:20,890 --> 00:27:19,520

scientific inquiry 2010 has been a

654

00:27:23,230 --> 00:27:20,900

watershed here for the sceptical

655

00:27:24,970 --> 00:27:23,240

movement in Canada and in 2011 cast will

656

00:27:27,130 --> 00:27:24,980

continue fighting bad science in the

657

00:27:28,600 --> 00:27:27,140

media and the government if you would

658

00:27:30,160 --> 00:27:28,610

like to become involved in the fight to

659

00:27:31,720 --> 00:27:30,170

promote critical thinking in canada or

660

00:27:33,160 --> 00:27:31,730

if you have a concern about the spread

661

00:27:35,830 --> 00:27:33,170

of pseudoscience in the Canadian media

662

00:27:38,320 --> 00:27:35,840

please contact us at casts at see if I

663

00:27:41,169 --> 00:27:38,330

canada CA you can also follow us on

664

00:27:43,990 --> 00:27:41,179

twitter at cfi casts and on facebook at

665

00:27:55,190 --> 00:27:44,000

cass at center for inquiry canada casts

666

00:28:03,840 --> 00:27:58,590

now it's time for dr. Rachel reports

667

00:28:07,200 --> 00:28:03,850

with dr. Rachel Dunlop hello listeners

668

00:28:08,700 --> 00:28:07,210

and welcome to dr. Reggie reports well

669

00:28:11,040 --> 00:28:08,710

this month I've written the opinion

670

00:28:12,720 --> 00:28:11,050

piece for cosmos magazine which is the

671

00:28:15,960 --> 00:28:12,730

most popular science magazine in

672

00:28:17,670 --> 00:28:15,970

Australia if you're in Australia go out

673

00:28:19,740 --> 00:28:17,680

and buy a copy from your local newsagent

674

00:28:22,410 --> 00:28:19,750

but for the benefit of our overseas

675

00:28:23,960 --> 00:28:22,420

listeners who can't get cosmos I'm going

676

00:28:26,310 --> 00:28:23,970

to read the article out for you today

677

00:28:31,050 --> 00:28:26,320

it's about one of my favourite

678

00:28:33,360 --> 00:28:31,060

pseudo-sciences homeopathy pseudoscience

679

00:28:35,550 --> 00:28:33,370

makes me mad which is why I was so

680

00:28:37,620 --> 00:28:35,560

pleased to read a recent draft statement

681

00:28:39,540 --> 00:28:37,630

from Australia's peak health advisory

682

00:28:41,520 --> 00:28:39,550

body the National Health and Medical

683

00:28:45,090 --> 00:28:41,530

Research Council which said in part

684

00:28:47,100 --> 00:28:45,100

quote the NH and MRC's position is it is

685

00:28:49,740 --> 00:28:47,110

unethical for health practitioners to

686

00:28:51,930 --> 00:28:49,750

treat patients using homeopathy for the

687

00:28:56,220 --> 00:28:51,940

reason that homeopathy has been shown

688

00:28:59,040 --> 00:28:56,230

not to be efficacious so unethical and

689

00:29:01,200 --> 00:28:59,050

not efficacious these are strong words

690

00:29:03,420 --> 00:29:01,210

indeed and this is actually the first

691

00:29:05,820 --> 00:29:03,430

time the Australian Government has made

692

00:29:08,030 --> 00:29:05,830

such an unequivocal statement about the

693

00:29:10,380 --> 00:29:08,040

pseudoscience of homeopathy and

694

00:29:12,450 --> 00:29:10,390

according to this draft statement which

695

00:29:14,340 --> 00:29:12,460

curiously is stamped with not for

696

00:29:16,590 --> 00:29:14,350

distribution the government was

697

00:29:19,260 --> 00:29:16,600

motivated after a similar move in the

698

00:29:22,350 --> 00:29:19,270

United Kingdom now many listeners would

699

00:29:24,690 --> 00:29:22,360

remember that in 2010 the UK national

700

00:29:26,640 --> 00:29:24,700

health service conducted a review of the

701
00:29:29,550 --> 00:29:26,650
evidence to support continued public

702
00:29:31,230 --> 00:29:29,560
funding of homeopathy in Britain this

703
00:29:35,400 --> 00:29:31,240
was called an evidence check and was

704
00:29:37,890 --> 00:29:35,410
reported in a 273 page report now in

705
00:29:40,020 --> 00:29:37,900
Britain the NHS spends four million

706
00:29:42,570 --> 00:29:40,030
pounds of taxpayers money a year on

707
00:29:44,340 --> 00:29:42,580
homeopathy so they wanted to check if

708
00:29:47,180 --> 00:29:44,350
there was still evidence to support this

709
00:29:49,920 --> 00:29:47,190
spending and following an exhaustive

710
00:29:52,500 --> 00:29:49,930
investigation which included submissions

711
00:29:55,110 --> 00:29:52,510
from scientists and homeopaths like the

712
00:29:58,710 --> 00:29:55,120
UK government concluded that the NHS

713
00:30:00,810 --> 00:29:58,720

should cease funding homeopathy that no

714

00:30:03,360 --> 00:30:00,820

further trials should be conducted of

715

00:30:03,900 --> 00:30:03,370

homeopathy that explanations for why

716

00:30:05,940 --> 00:30:03,910

homie

717

00:30:08,280 --> 00:30:05,950

the works are scientifically implausible

718

00:30:11,640 --> 00:30:08,290

and that all evidence pointed to the

719

00:30:14,310 --> 00:30:11,650

fact that homeopathy doesn't work they

720

00:30:16,920 --> 00:30:14,320

weren't mincing their words so

721

00:30:18,900 --> 00:30:16,930

homeopathy was invented 200 years ago by

722

00:30:21,360 --> 00:30:18,910

German physician Samuel Hahnemann and

723

00:30:23,880 --> 00:30:21,370

it's based on the concept of like treats

724

00:30:25,620 --> 00:30:23,890

like that is that the symptoms of an

725

00:30:27,870 --> 00:30:25,630

illness can be treated by minut

726

00:30:31,350 --> 00:30:27,880

quantities of a substance that caused it

727

00:30:33,780 --> 00:30:31,360

so for example a homeopathic preparation

728

00:30:37,170 --> 00:30:33,790

for insomnia might include miniscule

729

00:30:39,900 --> 00:30:37,180

amounts of coffee or 14 hay fever might

730

00:30:43,160 --> 00:30:39,910

contain tiny traces of pollens or animal

731

00:30:45,720 --> 00:30:43,170

fur and to make it even more bizarre

732

00:30:48,150 --> 00:30:45,730

homeopathic preparations are extremely

733

00:30:50,370 --> 00:30:48,160

diluted often beyond the point where

734

00:30:53,700 --> 00:30:50,380

science predicts even one molecule of

735

00:30:55,800 --> 00:30:53,710

the original substance remains so for

736

00:30:59,010 --> 00:30:55,810

example if you go into a pharmacy here

737

00:31:00,570 --> 00:30:59,020

in Australia and pick up a 30 C dilution

738

00:31:02,520 --> 00:31:00,580

which is a common delusion for

739

00:31:04,770 --> 00:31:02,530

homeopathic products in this country

740

00:31:08,760 --> 00:31:04,780

this is the equivalent of diluting

741

00:31:10,980 --> 00:31:08,770

something 10 to the power of 60 times so

742

00:31:13,380 --> 00:31:10,990

something like and I think this is even

743

00:31:15,600 --> 00:31:13,390

an underestimation putting a drop of

744

00:31:18,410 --> 00:31:15,610

vodka in a pool the size of the solar

745

00:31:21,180 --> 00:31:18,420

system and expecting to still get drunk

746

00:31:23,430 --> 00:31:21,190

yet this is precisely what homeopaths

747

00:31:26,160 --> 00:31:23,440

believe they believe that the more

748

00:31:29,100 --> 00:31:26,170

dilute a substance is the more potent it

749

00:31:31,560 --> 00:31:29,110

is and to explain this they claim that

750

00:31:34,200 --> 00:31:31,570

the water retains a memory of the

751

00:31:36,870 --> 00:31:34,210

original substance this is of course

752

00:31:39,120 --> 00:31:36,880

complete gibberish and conveniently

753

00:31:42,150 --> 00:31:39,130

ignores the fact that the water also

754

00:31:43,980 --> 00:31:42,160

somehow forgets all the sewage mercury

755

00:31:46,140 --> 00:31:43,990

and other bad stuff it's been in contact

756

00:31:49,860 --> 00:31:46,150

with before it ended up in your little

757

00:31:51,600 --> 00:31:49,870

homeopathic flask now unlike the UK the

758

00:31:54,060 --> 00:31:51,610

australian government does not directly

759

00:31:56,430 --> 00:31:54,070

fund homeopathy in this country but they

760

00:31:58,830 --> 00:31:56,440

do put in 3 billion dollars a year of

761

00:32:02,730 --> 00:31:58,840

taxpayers money towards public health

762

00:32:04,710 --> 00:32:02,740

fund rebates so if your health fund is

763

00:32:07,320 --> 00:32:04,720

somehow covering homeopathy through its

764

00:32:09,570 --> 00:32:07,330

rebates then taxpayers in Australia are

765

00:32:12,450 --> 00:32:09,580

paying for it too now the draft

766

00:32:14,130 --> 00:32:12,460

statement from the NHMRC indicates that

767

00:32:15,930 --> 00:32:14,140

they will be consulting with several

768

00:32:17,710 --> 00:32:15,940

health bodies before they make a

769

00:32:20,530 --> 00:32:17,720

decision on whether to make this a

770

00:32:23,800 --> 00:32:20,540

shall and this includes the NHS in the

771

00:32:26,170 --> 00:32:23,810

UK it also includes the TGA in Australia

772

00:32:28,180 --> 00:32:26,180

and consumers will be consulted and

773

00:32:31,180 --> 00:32:28,190

patients through the consumer health

774

00:32:33,340 --> 00:32:31,190

forum it's also important to remember

775

00:32:35,950 --> 00:32:33,350

that this does not mean homeopathy will

776

00:32:37,780 --> 00:32:35,960

be banned in australia but if it is

777

00:32:40,150 --> 00:32:37,790

officially declared unethical and

778

00:32:43,290 --> 00:32:40,160

useless there will be pressure on health

779

00:32:46,330 --> 00:32:43,300

funds to cease covering it and also

780

00:32:48,970 --> 00:32:46,340

potentially we could see a move to have

781

00:32:50,290 --> 00:32:48,980

it disappear from pharmacy shelves where

782

00:32:52,690 --> 00:32:50,300

it currently sits alongside

783

00:32:55,300 --> 00:32:52,700

science-based rigorously tested

784

00:32:57,520 --> 00:32:55,310

evidence-based medicines also

785

00:32:59,980 --> 00:32:57,530

importantly this statement sends a clear

786

00:33:02,590 --> 00:32:59,990

message to the public that homeopathy is

787

00:33:05,310 --> 00:33:02,600

not medicine and should not be used

788

00:33:08,620 --> 00:33:05,320

instead of conventional treatment

789

00:33:10,690 --> 00:33:08,630

perhaps the NHMRC also considered two

790

00:33:14,260 --> 00:33:10,700

recent tragic deaths in Australia where

791

00:33:16,210 --> 00:33:14,270

homeopathy was implicated one was 45

792

00:33:17,950 --> 00:33:16,220

year old penelope dingle who died from

793

00:33:20,520 --> 00:33:17,960

bowel cancer treated with homeopathy

794

00:33:23,770 --> 00:33:20,530

instead of conventional medicine and

795

00:33:26,290 --> 00:33:23,780

also nine-month-old Gloria Sam who died

796

00:33:28,750 --> 00:33:26,300

from septicemia contracted from severe

797

00:33:30,430 --> 00:33:28,760

eczema since her parents treated her

798

00:33:33,700 --> 00:33:30,440

with homeopathy instead of conventional

799

00:33:35,410 --> 00:33:33,710

medicine and as an aside her parents are

800

00:33:37,990 --> 00:33:35,420

now spending time in jail for

801
00:33:40,960 --> 00:33:38,000
manslaughter so homeopathy is a

802
00:33:43,030 --> 00:33:40,970
pseudoscience and that is a claim belief

803
00:33:45,040 --> 00:33:43,040
or practice that is presented as

804
00:33:47,620 --> 00:33:45,050
scientific but actually doesn't adhere

805
00:33:49,660 --> 00:33:47,630
to any valid scientific method like

806
00:33:53,320 --> 00:33:49,670
supporting evidence or plausibility and

807
00:33:55,510 --> 00:33:53,330
cannot be reliably tested it certainly

808
00:33:57,700 --> 00:33:55,520
has no place in our pharmacies here in

809
00:34:01,540 --> 00:33:57,710
Australia and should not be funded by

810
00:34:04,290 --> 00:34:01,550
taxpayers so if the NHMRC draft position

811
00:34:06,640 --> 00:34:04,300
becomes official it not only makes

812
00:34:09,730 --> 00:34:06,650
scientific sense but it will also

813
00:34:12,250 --> 00:34:09,740

protect consumers and this can only be a

814

00:34:14,050 --> 00:34:12,260

good thing if you're in Australia you

815

00:34:16,930 --> 00:34:14,060

can pick up a copy of the June July

816

00:34:19,540 --> 00:34:16,940

issue of Cosmos magazine at your local

817

00:34:22,210 --> 00:34:19,550

newsagent on the cover it's got a story

818

00:34:23,980 --> 00:34:22,220

about Saturn's rings and if you're not

819

00:34:25,810 --> 00:34:23,990

in Australia the article won't be

820

00:34:28,930 --> 00:34:25,820

available online until the next issue

821

00:34:31,090 --> 00:34:28,940

comes out which will be August so until

822

00:34:34,930 --> 00:34:31,100

next time this has been Dr. Richie

823

00:34:40,520 --> 00:34:37,730

Dr. Rachel Dunlop is one of Australia's

824

00:34:41,920 --> 00:34:40,530

foremost media commentators in matters

825

00:34:44,480 --> 00:34:41,930

concerning so-called alternative

826
00:34:48,260 --> 00:34:44,490
medicine she has appeared on national

827
00:34:50,570 --> 00:34:48,270
radio and national television dr. H E is

828
00:34:54,530 --> 00:34:50,580
available for interviews and you can

829
00:35:02,330 --> 00:34:54,540
contact her at Rachel at skeptic zone

830
00:35:04,760 --> 00:35:02,340
dot TV yeah aight guys i was talking to

831
00:35:06,980 --> 00:35:04,770
Richard Saleh see today alright he said

832
00:35:09,080 --> 00:35:06,990
if we record a trailer for our podcast

833
00:35:10,730 --> 00:35:09,090
skeptics with a que he'd play it on

834
00:35:12,080 --> 00:35:10,740
their on their show that's nice of him

835
00:35:13,310 --> 00:35:12,090
that's very generous it's pretty good

836
00:35:15,440 --> 00:35:13,320
i'm not sure what we could do though I

837
00:35:17,750 --> 00:35:15,450
mean well suppose you tell people shows

838
00:35:20,060 --> 00:35:17,760

about but it's basically this yeah like

839

00:35:21,710 --> 00:35:20,070

yeah but you know we talk about science

840

00:35:23,270 --> 00:35:21,720

and skepticism and things that's that's

841

00:35:25,550 --> 00:35:23,280

true as fuzzy you mention the website

842

00:35:27,380 --> 00:35:25,560

address what merseyside skeptics dodo UK

843

00:35:29,000 --> 00:35:27,390

yeah yeah just like searches night UN's

844

00:35:32,480 --> 00:35:29,010

oh and then we could end with like a big

845

00:35:40,820 --> 00:35:32,490

song like the skeptics with okay god no

846

00:35:42,850 --> 00:35:40,830

no no no don't don't do that this

847

00:35:45,170 --> 00:35:42,860

morning we're talking about astrology

848

00:35:47,270 --> 00:35:45,180

essentially astrology is the belief that

849

00:35:49,220 --> 00:35:47,280

the Stars and the planets influence our

850

00:35:52,670 --> 00:35:49,230

daily lives and that a person

851
00:35:55,310 --> 00:35:52,680
knowledgeable enough inverted comma C

852
00:35:57,770 --> 00:35:55,320
knowledgeable enough can on the basis of

853
00:36:01,250 --> 00:35:57,780
the stars and planets positions tell us

854
00:36:03,290 --> 00:36:01,260
about our future now I wish to know what

855
00:36:06,140 --> 00:36:03,300
the future holds in store is as old as

856
00:36:08,270 --> 00:36:06,150
man himself and that wish to know the

857
00:36:10,430 --> 00:36:08,280
future becomes a hope and bag belief

858
00:36:12,830 --> 00:36:10,440
that the future can indeed be known if

859
00:36:15,050 --> 00:36:12,840
we only had the right formula the

860
00:36:17,240 --> 00:36:15,060
astrologers product is hope and he sells

861
00:36:19,220 --> 00:36:17,250
it telling his clients that indeed

862
00:36:21,500 --> 00:36:19,230
everything will be all right if they can

863
00:36:24,470 --> 00:36:21,510

avoid certain dangers at certain times

864

00:36:25,790 --> 00:36:24,480

and there's a catch or the comforting

865

00:36:27,980 --> 00:36:25,800

pat on the back depending on how you

866

00:36:29,660 --> 00:36:27,990

regard astrology well one person who

867

00:36:32,030 --> 00:36:29,670

doesn't regard it they're highly and

868

00:36:34,250 --> 00:36:32,040

claims he does have evidence to prove it

869

00:36:36,320 --> 00:36:34,260

is Tim mendham from the Australian

870

00:36:38,390 --> 00:36:36,330

skeptics Association good morning Tim on

871

00:36:42,110 --> 00:36:38,400

and really nice to have you in thank you

872

00:36:44,570 --> 00:36:42,120

very much Tim astrology today in terms

873

00:36:47,000 --> 00:36:44,580

of popularity as that a new high the

874

00:36:51,080 --> 00:36:47,010

question is why very difficult question

875

00:36:52,730 --> 00:36:51,090

to answer actually probably many surveys

876

00:36:54,410 --> 00:36:52,740

have been done to find out how popular

877

00:36:56,270 --> 00:36:54,420

astrology is and it's certainly maintain

878

00:36:58,430 --> 00:36:56,280

its popularity over the last three

879

00:37:00,710 --> 00:36:58,440

thousand years yeah although it goes up

880

00:37:02,000 --> 00:37:00,720

and down in various centuries but right

881

00:37:04,310 --> 00:37:02,010

now we're going through a high for

882

00:37:05,750 --> 00:37:04,320

astrology will be because of what you

883

00:37:07,280 --> 00:37:05,760

just said about the uncertainty about

884

00:37:09,019 --> 00:37:07,290

the future when people like to be

885

00:37:10,159 --> 00:37:09,029

comforted that

886

00:37:12,199 --> 00:37:10,169

everything that happens to them he's got

887

00:37:13,999 --> 00:37:12,209

is unknown and not everything that

888

00:37:15,859 --> 00:37:14,009

happened to them is their own fault as

889

00:37:18,199 --> 00:37:15,869

well that's a major criterion in

890

00:37:19,819 --> 00:37:18,209

astrology as well hmm well we're going

891

00:37:22,099 --> 00:37:19,829

to be looking at two aspects of the

892

00:37:24,199 --> 00:37:22,109

astrological argument this morning one

893

00:37:26,989 --> 00:37:24,209

is there any physical mechanism by which

894

00:37:29,029 --> 00:37:26,999

astrology can be measured and number two

895

00:37:31,699 --> 00:37:29,039

can astrologers do what they say they

896

00:37:34,159 --> 00:37:31,709

can do now let's talk about the first

897

00:37:35,809 --> 00:37:34,169

one astrologers regard the planets in

898

00:37:38,419 --> 00:37:35,819

our solar system as being the basic

899

00:37:42,199 --> 00:37:38,429

force if you like that influence our

900

00:37:46,809 --> 00:37:42,209

character and they look on the stars or

901
00:37:49,909 --> 00:37:46,819
the signs rather as forces that are

902
00:37:51,859 --> 00:37:49,919
reflect the various changes within each

903
00:37:53,569 --> 00:37:51,869
planet the forces of each planet now Tim

904
00:37:55,279 --> 00:37:53,579
you say that just can't work we can't

905
00:37:56,689 --> 00:37:55,289
base astrology on the movements of

906
00:37:58,880 --> 00:37:56,699
different planets not really because

907
00:38:01,549 --> 00:37:58,890
some the major problem is with the

908
00:38:05,089 --> 00:38:01,559
planets distance out of astrologers

909
00:38:07,219 --> 00:38:05,099
happy years tried to find out how what

910
00:38:09,949 --> 00:38:07,229
sort of mechanism is involved in the

911
00:38:11,899 --> 00:38:09,959
influence of planets on us and cause

912
00:38:14,179 --> 00:38:11,909
there's various things train forward the

913
00:38:16,880 --> 00:38:14,189

most common one excuse me most common

914

00:38:19,489 --> 00:38:16,890

one that's put up is gravity yeah it's a

915

00:38:21,019 --> 00:38:19,499

nice simple force anyone says it anyone

916

00:38:22,339 --> 00:38:21,029

knows about gravity and you can't sort

917

00:38:23,539 --> 00:38:22,349

of leave the earth eagle as a gravity

918

00:38:25,489 --> 00:38:23,549

and things like that therefore it must

919

00:38:27,559 --> 00:38:25,499

have some influence on us we all know

920

00:38:30,109 --> 00:38:27,569

about the tides being affected by the

921

00:38:31,849 --> 00:38:30,119

moon and the Sun and that's gravity what

922

00:38:33,349 --> 00:38:31,859

unfortunately the astrologers don't

923

00:38:35,719 --> 00:38:33,359

point out is that the planets are a long

924

00:38:37,519 --> 00:38:35,729

way away and the moon and the Sun are a

925

00:38:40,909 --> 00:38:37,529

lot closer a lot larger by comparison

926

00:38:42,349 --> 00:38:40,919

yes gravity is I'm not assigned to say

927

00:38:44,179 --> 00:38:42,359

this scientist in the audience will have

928

00:38:47,870 --> 00:38:44,189

to excuse me if i abused their science

929

00:38:49,939 --> 00:38:47,880

but as I understand a gravity gets less

930

00:38:53,919 --> 00:38:49,949

the further away you go from the source

931

00:38:56,120 --> 00:38:53,929

of gravity gets less moon is our closest

932

00:38:58,429 --> 00:38:56,130

body in space so that's got fairly

933

00:39:01,189 --> 00:38:58,439

strong influence the Sun has got less

934

00:39:02,479 --> 00:39:01,199

strength a planet is millions and

935

00:39:05,179 --> 00:39:02,489

millions of miles away and it's got

936

00:39:08,419 --> 00:39:05,189

infinity infinitely decimal less

937

00:39:12,349 --> 00:39:08,429

strength well is it this is it I was

938

00:39:13,969 --> 00:39:12,359

wondering about say for instance and may

939

00:39:16,489 --> 00:39:13,979

already know there's millions of stars

940

00:39:18,109 --> 00:39:16,499

in the universe but the fact that one

941

00:39:19,729 --> 00:39:18,119

this one is one thing that the

942

00:39:21,560 --> 00:39:19,739

astrologers can't explain as the speed

943

00:39:24,170 --> 00:39:21,570

light effect

944

00:39:26,120 --> 00:39:24,180

meaning that it takes a long time for

945

00:39:27,800 --> 00:39:26,130

stars that's right how their life

946

00:39:29,180 --> 00:39:27,810

finally reflected on earth and of course

947

00:39:30,770 --> 00:39:29,190

that's millions of light-years away so

948

00:39:32,900 --> 00:39:30,780

we're essentially looking at stars in

949

00:39:34,430 --> 00:39:32,910

the past but how can we possibly know

950

00:39:38,020 --> 00:39:34,440

what the constellations wear when we're

951
00:39:40,340 --> 00:39:38,030
born because they weren't what we were

952
00:39:41,660 --> 00:39:40,350
populations are sort of fairly steady

953
00:39:43,280 --> 00:39:41,670
what of course the whole problem with

954
00:39:44,990 --> 00:39:43,290
astrology is that they look at the

955
00:39:47,900 --> 00:39:45,000
constellations as being shapes then

956
00:39:49,610 --> 00:39:47,910
Pisces or leo the lion or the scales or

957
00:39:51,530 --> 00:39:49,620
whatever unfortunately that's only true

958
00:39:53,510 --> 00:39:51,540
from Earth if you move a few light-years

959
00:39:55,640 --> 00:39:53,520
to one side of Earth you suddenly find

960
00:39:57,170 --> 00:39:55,650
that those shapes aren't there at all as

961
00:39:59,570 --> 00:39:57,180
the stars they see in the constellations

962
00:40:01,310 --> 00:39:59,580
ones close up once a long way away you

963
00:40:03,830 --> 00:40:01,320

take a different angle to look at it

964

00:40:05,330 --> 00:40:03,840

completely different shape right now the

965

00:40:07,940 --> 00:40:05,340

consolations aren't really there as

966

00:40:10,040 --> 00:40:07,950

bodies at all all right well so then

967

00:40:12,710 --> 00:40:10,050

what about that argument it was advanced

968

00:40:14,750 --> 00:40:12,720

in a couple of astrologers books about

969

00:40:16,220 --> 00:40:14,760

it well if the moon can affect the tides

970

00:40:17,990 --> 00:40:16,230

and why not the rest of the planet

971

00:40:21,260 --> 00:40:18,000

that's the age-old yes that that's

972

00:40:22,970 --> 00:40:21,270

called a red herring actually okay the

973

00:40:24,250 --> 00:40:22,980

moon's a lot closer as we see it well

974

00:40:26,600 --> 00:40:24,260

that's got the strongest gravitational

975

00:40:28,940 --> 00:40:26,610

influence but the moon only affects the

976

00:40:30,920 --> 00:40:28,950

tide the water over you earth which is

977

00:40:34,220 --> 00:40:30,930

on the surface of the earth the moon

978

00:40:35,510 --> 00:40:34,230

probably has an effect on our sweat but

979

00:40:37,340 --> 00:40:35,520

it's so small that you don't notice it

980

00:40:40,370 --> 00:40:37,350

after all the tide in the sea varies by

981

00:40:42,020 --> 00:40:40,380

six feet to meters say right and it's a

982

00:40:44,240 --> 00:40:42,030

rather large body of water keep it

983

00:40:47,510 --> 00:40:44,250

compared to the layer of sweat on your

984

00:40:49,490 --> 00:40:47,520

skin it have an infinite s1 again tiny

985

00:40:51,650 --> 00:40:49,500

effects at all on anything we do

986

00:40:53,510 --> 00:40:51,660

anything outside the moon and the Sun

987

00:40:55,610 --> 00:40:53,520

gets smaller and smaller and smaller and

988

00:40:58,430 --> 00:40:55,620

smaller and said and as a billion from

989

00:41:00,110 --> 00:40:58,440

trillions of the power of the moon great

990

00:41:01,700 --> 00:41:00,120

so in effect you're saying that the

991

00:41:03,410 --> 00:41:01,710

planets to simply can't have that

992

00:41:04,850 --> 00:41:03,420

there's only two things sort of either

993

00:41:07,280 --> 00:41:04,860

they have a force which sort of gets

994

00:41:09,110 --> 00:41:07,290

less as you go with distance which means

995

00:41:11,920 --> 00:41:09,120

that a planet like Pluto have no effect

996

00:41:13,850 --> 00:41:11,930

at all hmm or you have a power that

997

00:41:15,080 --> 00:41:13,860

doesn't get less with distance which

998

00:41:17,330 --> 00:41:15,090

means you have to take more count every

999

00:41:19,550 --> 00:41:17,340

star in the universe what you can't do

1000

00:41:21,500 --> 00:41:19,560

all right I'm talking with Tim mendham

1001
00:41:23,840 --> 00:41:21,510
from the Australian skeptics Association

1002
00:41:25,910 --> 00:41:23,850
about astrology well look what you just

1003
00:41:27,800 --> 00:41:25,920
said then if an astrology was then to

1004
00:41:29,840 --> 00:41:27,810
say to you well what'd she say is true

1005
00:41:31,610 --> 00:41:29,850
but astrology is not based on a

1006
00:41:33,200 --> 00:41:31,620
cause-and-effect relationship between

1007
00:41:34,980 --> 00:41:33,210
man and the planets therefore to

1008
00:41:36,990 --> 00:41:34,990
disprove such a cause

1009
00:41:39,859 --> 00:41:37,000
and effect relationship is not to

1010
00:41:41,910 --> 00:41:39,869
disprove astrology because in fact

1011
00:41:43,680 --> 00:41:41,920
astrology is simply a system of

1012
00:41:46,250 --> 00:41:43,690
symbolism which has been found to

1013
00:41:48,420 --> 00:41:46,260

express profound truths about human me

1014

00:41:50,820 --> 00:41:48,430

then you get onto the other areas well

1015

00:41:53,100 --> 00:41:50,830

okay if you can take the planets and the

1016

00:41:55,560 --> 00:41:53,110

stars out of astrology once you sort of

1017

00:41:57,359 --> 00:41:55,570

wonder why it's called astrology then if

1018

00:41:59,880 --> 00:41:57,369

if it's only a symbolic representation

1019

00:42:01,890 --> 00:41:59,890

then we have to look at how astrologers

1020

00:42:03,090 --> 00:42:01,900

do their task right well we might take a

1021

00:42:04,920 --> 00:42:03,100

break right now and then we'll come back

1022

00:42:08,760 --> 00:42:04,930

to that part of the argument this is to

1023

00:42:10,590 --> 00:42:08,770

ue news radio 954 to you in Israeli 095

1024

00:42:12,540 --> 00:42:10,600

forwards Julie Brodsky my special guest

1025

00:42:14,400 --> 00:42:12,550

this morning is Tim mendham from the

1026

00:42:16,560 --> 00:42:14,410

Australian skeptics Association we're

1027

00:42:19,650 --> 00:42:16,570

talking about astrology and essentially

1028

00:42:21,359 --> 00:42:19,660

what can't work now to I've been

1029

00:42:23,520 --> 00:42:21,369

interested in astrology for a number of

1030

00:42:26,670 --> 00:42:23,530

years now I don't know either classify

1031

00:42:28,350 --> 00:42:26,680

myself as a true believer may because in

1032

00:42:30,030 --> 00:42:28,360

many ways I do object to it i don't

1033

00:42:32,190 --> 00:42:30,040

really like the idea of classifying

1034

00:42:34,770 --> 00:42:32,200

people according to 12 different signs

1035

00:42:37,230 --> 00:42:34,780

but we're moving to the second half of

1036

00:42:39,060 --> 00:42:37,240

our argument now can astrologers do what

1037

00:42:43,109 --> 00:42:39,070

they say they can do and your answer

1038

00:42:45,150 --> 00:42:43,119

would have to be no well you see this is

1039

00:42:46,980 --> 00:42:45,160

it the straight astrologers say this is

1040

00:42:49,590 --> 00:42:46,990

an exact science which is based on

1041

00:42:51,480 --> 00:42:49,600

mathematical calculation so while the

1042

00:42:55,109 --> 00:42:51,490

stuff in newspapers may be a bit general

1043

00:42:56,609 --> 00:42:55,119

a professional astrologer would say a

1044

00:42:59,070 --> 00:42:56,619

horoscope is something very different

1045

00:43:00,750 --> 00:42:59,080

yes that's right they do claim that some

1046

00:43:03,840 --> 00:43:00,760

sort of most serious in quotes

1047

00:43:05,790 --> 00:43:03,850

astrologers regard the afternoon paper

1048

00:43:07,530 --> 00:43:05,800

horoscopes as being total rubbish and

1049

00:43:09,599 --> 00:43:07,540

it's just there for fun that's fine if

1050

00:43:11,250 --> 00:43:09,609

it's fun no one's got any objection to

1051

00:43:13,020 --> 00:43:11,260

it at all it's just fun it's a it's on

1052

00:43:15,390 --> 00:43:13,030

the comic page anyway so it's it's

1053

00:43:18,450 --> 00:43:15,400

perfect when they get to say it so

1054

00:43:20,970 --> 00:43:18,460

precise mathematical subject that is

1055

00:43:22,560 --> 00:43:20,980

when that can be tested see anything as

1056

00:43:24,210 --> 00:43:22,570

vague as a vague predictions saying that

1057

00:43:25,859 --> 00:43:24,220

you will have a good day you will have a

1058

00:43:28,530 --> 00:43:25,869

bad day you will come into money on

1059

00:43:30,570 --> 00:43:28,540

Thursday or Friday is so vague it's not

1060

00:43:32,849 --> 00:43:30,580

worth worrying about when they say these

1061

00:43:35,010 --> 00:43:32,859

has these planets line up and give you

1062

00:43:37,980 --> 00:43:35,020

this character and because of these

1063

00:43:39,720 --> 00:43:37,990

reasons then we can test it and what has

1064

00:43:41,490 --> 00:43:39,730

happened over the last 10 years or so a

1065

00:43:44,180 --> 00:43:41,500

number of people have actually tested

1066

00:43:46,650 --> 00:43:44,190

how well astrologists do at their sure

1067

00:43:49,740 --> 00:43:46,660

there was a very good one done in

1068

00:43:51,630 --> 00:43:49,750

I think California by what immune

1069

00:43:54,090 --> 00:43:51,640

abilities in California at Berkeley yeah

1070

00:43:55,890 --> 00:43:54,100

in which he had some character

1071

00:43:57,720 --> 00:43:55,900

assessments done on the Californian

1072

00:43:59,760 --> 00:43:57,730

personality inventory which is regarded

1073

00:44:01,170 --> 00:43:59,770

as a fairly successful character

1074

00:44:04,860 --> 00:44:01,180

assessment it's not an astrological

1075

00:44:06,390 --> 00:44:04,870

assessment it in gave astrologers with

1076
00:44:08,640 --> 00:44:06,400
the agreement of the astrological body

1077
00:44:12,810 --> 00:44:08,650
who helped organize his test three of

1078
00:44:14,910 --> 00:44:12,820
these character assessments and one star

1079
00:44:16,920 --> 00:44:14,920
chart other person's birds really asked

1080
00:44:19,410 --> 00:44:16,930
the astrologers pick which character

1081
00:44:21,420 --> 00:44:19,420
assessment fits the star chart and so if

1082
00:44:22,740 --> 00:44:21,430
a precise science and the astrologers

1083
00:44:25,320 --> 00:44:22,750
were predicting are at least fifty

1084
00:44:26,940 --> 00:44:25,330
percent success rate so they did it

1085
00:44:28,350 --> 00:44:26,950
split with a wide number of astrologers

1086
00:44:29,910 --> 00:44:28,360
and a wide number of star charts and I

1087
00:44:31,710 --> 00:44:29,920
came back with thirty three percent

1088
00:44:34,170 --> 00:44:31,720

success rate which is exactly what you

1089

00:44:35,550 --> 00:44:34,180

would get from guessing it's absolutely

1090

00:44:37,170 --> 00:44:35,560

no different the astrologers who were

1091

00:44:39,030 --> 00:44:37,180

predicting they're going really well and

1092

00:44:40,920 --> 00:44:39,040

they were doing really hot stuff and

1093

00:44:42,810 --> 00:44:40,930

they just came back anybody in the

1094

00:44:45,930 --> 00:44:42,820

street can do as well as they could and

1095

00:44:47,100 --> 00:44:45,940

there was actually no exactness in what

1096

00:44:48,180 --> 00:44:47,110

they're doing at all that's just one

1097

00:44:50,220 --> 00:44:48,190

test and they've been many which have

1098

00:44:52,350 --> 00:44:50,230

had the same results well another

1099

00:44:54,060 --> 00:44:52,360

argument advanced by astrologers at yes

1100

00:44:55,470 --> 00:44:54,070

okay there's a mathematical side but but

1101

00:44:57,540 --> 00:44:55,480

it takes the test of a really good

1102

00:45:00,330 --> 00:44:57,550

astrology to be able to have some

1103

00:45:02,190 --> 00:45:00,340

feeling for subject well this particular

1104

00:45:03,960 --> 00:45:02,200

test was organized by the President and

1105

00:45:05,730 --> 00:45:03,970

vice-president the astrological society

1106

00:45:07,170 --> 00:45:05,740

the people who did the actual test

1107

00:45:08,760 --> 00:45:07,180

astrologers were recommended highly

1108

00:45:10,530 --> 00:45:08,770

regarded people they were the top voice

1109

00:45:12,150 --> 00:45:10,540

in the field in the US they couldn't do

1110

00:45:13,440 --> 00:45:12,160

it of course once the test the results

1111

00:45:15,330 --> 00:45:13,450

came out and they found these problems

1112

00:45:16,710 --> 00:45:15,340

has failed all the other astrologers

1113

00:45:18,990 --> 00:45:16,720

said are you tested the wrong ones you

1114

00:45:20,760 --> 00:45:19,000

could have texted me yes someone said

1115

00:45:23,010 --> 00:45:20,770

once that arguing with astrologers was

1116

00:45:25,500 --> 00:45:23,020

rather like punching a feather pillow to

1117

00:45:27,180 --> 00:45:25,510

go down one in it goes poof the others

1118

00:45:30,570 --> 00:45:27,190

use of an empty one pillow and you one

1119

00:45:33,570 --> 00:45:30,580

pops up somewhere else the other thing

1120

00:45:35,040 --> 00:45:33,580

is that of course that an astrologer is

1121

00:45:36,930 --> 00:45:35,050

really reading some of the character a

1122

00:45:38,760 --> 00:45:36,940

lot of serious astrologers don't like

1123

00:45:40,410 --> 00:45:38,770

predicting the future they say there's a

1124

00:45:41,730 --> 00:45:40,420

bit bag that they'd like a character

1125

00:45:43,020 --> 00:45:41,740

assessment and that really relies on

1126

00:45:46,710 --> 00:45:43,030

just speaking to someone personally

1127

00:45:49,800 --> 00:45:46,720

anyway how effective is it then in terms

1128

00:45:50,850 --> 00:45:49,810

of character assessment poor people

1129

00:45:52,770 --> 00:45:50,860

unless you are speaking to someone

1130

00:45:54,360 --> 00:45:52,780

personally sure I'm in sort of thumb you

1131

00:45:55,530 --> 00:45:54,370

can go down and talk to a cab driver you

1132

00:45:57,300 --> 00:45:55,540

can go down and talk to the barman at

1133

00:45:58,890 --> 00:45:57,310

the pub and if you sit there long enough

1134

00:45:59,350 --> 00:45:58,900

and pour out your way to them you'll

1135

00:46:01,330 --> 00:45:59,360

give you

1136

00:46:03,070 --> 00:46:01,340

us and he'll tell you what you like your

1137

00:46:04,990 --> 00:46:03,080

friends will do the same thing so what

1138

00:46:09,190 --> 00:46:05,000

you're saying then is astrology's

1139

00:46:11,740 --> 00:46:09,200

essentially advice wrapped up in a

1140

00:46:13,780 --> 00:46:11,750

colorful package it's what we sort of as

1141

00:46:15,100 --> 00:46:13,790

the skeptics so we have no objection for

1142

00:46:16,570 --> 00:46:15,110

people advising people now if

1143

00:46:18,880 --> 00:46:16,580

astrologers put up a little sign saying

1144

00:46:19,930 --> 00:46:18,890

we are amateur psychologists I probably

1145

00:46:21,940 --> 00:46:19,940

wouldn't get the same amount of business

1146

00:46:23,830 --> 00:46:21,950

but that's exactly what they are and

1147

00:46:24,760 --> 00:46:23,840

it's fine sort of elements of everyone

1148

00:46:26,710 --> 00:46:24,770

all your friends are amateur

1149

00:46:29,290 --> 00:46:26,720

psychologists anyone likes to play that

1150

00:46:32,650 --> 00:46:29,300

game but when they wrap it up in those

1151

00:46:34,630 --> 00:46:32,660

other details supposed scientific

1152

00:46:35,890 --> 00:46:34,640

details it just doesn't hold water right

1153

00:46:37,840 --> 00:46:35,900

so what you saying then is that

1154

00:46:40,660 --> 00:46:37,850

different planets may represent

1155

00:46:44,740 --> 00:46:40,670

different rates but in other words while

1156

00:46:47,950 --> 00:46:44,750

a stone oh that's what I say it's just

1157

00:46:49,840 --> 00:46:47,960

Whittle it down with barb it is its ID

1158

00:46:52,720 --> 00:46:49,850

rather different planets represent

1159

00:46:54,340 --> 00:46:52,730

different traits and so while astrology

1160

00:46:55,800 --> 00:46:54,350

may not be able to the future it can at

1161

00:46:58,330 --> 00:46:55,810

least give you a fairly thorough

1162

00:47:00,580 --> 00:46:58,340

personality reading not astrology itself

1163

00:47:02,680 --> 00:47:00,590

the astrologer if he knows anything

1164

00:47:06,250 --> 00:47:02,690

about people and it is speaking to a

1165

00:47:08,200 --> 00:47:06,260

person as we are now face to face he can

1166

00:47:10,690 --> 00:47:08,210

give you as good an assessment of you as

1167

00:47:15,160 --> 00:47:10,700

someone over the fence or someone you

1168

00:47:17,080 --> 00:47:15,170

just met the astrological the sod chart

1169

00:47:18,910 --> 00:47:17,090

might just be regarded as a tool a

1170

00:47:20,920 --> 00:47:18,920

totally useless thing out zone right

1171

00:47:23,050 --> 00:47:20,930

yeah absolutely has no bearing at all on

1172

00:47:24,220 --> 00:47:23,060

the person that they can use that you

1173

00:47:25,420 --> 00:47:24,230

can sort of talk about movies you can

1174

00:47:27,160 --> 00:47:25,430

talk about books so you can talk about

1175

00:47:28,870 --> 00:47:27,170

star chip chance and that just get

1176

00:47:31,060 --> 00:47:28,880

people talking do you think that the

1177

00:47:34,480 --> 00:47:31,070

reason why it's so complicated has been

1178

00:47:36,340 --> 00:47:34,490

partly to confound the line I don't

1179

00:47:38,140 --> 00:47:36,350

think it Z Labor's consciousness and I

1180

00:47:39,760 --> 00:47:38,150

think astrologers really take it very

1181

00:47:42,070 --> 00:47:39,770

seriously and most of them and they do

1182

00:47:44,020 --> 00:47:42,080

regarded as being a science and the way

1183

00:47:45,610 --> 00:47:44,030

they see it the fact that it's not is

1184

00:47:47,710 --> 00:47:45,620

sort of beside the point i think they're

1185

00:47:49,000 --> 00:47:47,720

quite genuine most of them yeah might

1186

00:47:51,040 --> 00:47:49,010

believe it but they're working on other

1187

00:47:53,950 --> 00:47:51,050

things as well although i didn't so

1188

00:47:57,070 --> 00:47:53,960

maybe what you're saying is that by far

1189

00:48:00,250 --> 00:47:57,080

most predictions made by astrologers of

1190

00:48:03,700 --> 00:48:00,260

the don't do this all that now that went

1191

00:48:05,290 --> 00:48:03,710

until later kind of advice that can be

1192

00:48:07,180 --> 00:48:05,300

tested as good or bad but that can

1193

00:48:08,830 --> 00:48:07,190

always be justified by the astrology

1194

00:48:10,870 --> 00:48:08,840

after its happen absolutely that's what

1195

00:48:12,130 --> 00:48:10,880

normally happens actually that when

1196

00:48:13,090 --> 00:48:12,140

something does happen you'll find an

1197

00:48:15,370 --> 00:48:13,100

astrologer somewhere was

1198

00:48:19,480 --> 00:48:15,380

I will I predicted that all right how

1199

00:48:20,770 --> 00:48:19,490

about people's gullibility people it's a

1200

00:48:22,000 --> 00:48:20,780

hard thing to bring up because people

1201

00:48:25,000 --> 00:48:22,010

don't like being called gullible but

1202

00:48:26,710 --> 00:48:25,010

everybody you mean everybody is gullible

1203

00:48:27,970 --> 00:48:26,720

in some way or another yeah we all know

1204

00:48:29,500 --> 00:48:27,980

about used car sales and we all know

1205

00:48:32,710 --> 00:48:29,510

about shonky real estate deal as we all

1206

00:48:33,670 --> 00:48:32,720

know about snake oil merchants no one

1207

00:48:36,460 --> 00:48:33,680

likes to believe that they've been

1208

00:48:37,900 --> 00:48:36,470

ripped off astrology is particularly

1209

00:48:39,970 --> 00:48:37,910

prone to this because it's such a vague

1210

00:48:42,760 --> 00:48:39,980

area you have nice character assessments

1211

00:48:46,390 --> 00:48:42,770

and character assessments are not exact

1212

00:48:49,090 --> 00:48:46,400

things at all most character assessments

1213

00:48:51,480 --> 00:48:49,100

given to you by an astrologer so the

1214

00:48:53,650 --> 00:48:51,490

airy fairy sort you know yours you

1215

00:48:55,510 --> 00:48:53,660

sometimes you're introverted sometimes

1216

00:48:57,400 --> 00:48:55,520

you wrecked to averted you feel you're

1217

00:48:59,470 --> 00:48:57,410

not appreciated to work you know you can

1218

00:49:00,760 --> 00:48:59,480

do better but not trying hard enough not

1219

00:49:02,920 --> 00:49:00,770

a noisy be putting ready number of

1220

00:49:04,330 --> 00:49:02,930

astrology books mm-hm which ones have

1221

00:49:07,320 --> 00:49:04,340

you read just out of interest I read

1222

00:49:10,360 --> 00:49:07,330

some by michelle bachman know how is

1223

00:49:12,850 --> 00:49:10,370

claimed to be a major proponent of

1224

00:49:14,380 --> 00:49:12,860

astrology into goodman i have written a

1225

00:49:16,120 --> 00:49:14,390

good thing so that's third yes there are

1226

00:49:17,560 --> 00:49:16,130

sellers yeah that's right the best

1227

00:49:19,360 --> 00:49:17,570

sellers yes they attended work on the

1228

00:49:21,460 --> 00:49:19,370

sun sign which is a fairly sort of

1229

00:49:23,140 --> 00:49:21,470

simple basic without going into grade

1230

00:49:24,640 --> 00:49:23,150

t's house and she talks about various

1231

00:49:26,620 --> 00:49:24,650

combinations in the love sign book who

1232

00:49:29,020 --> 00:49:26,630

you'd be best off matched with here and

1233

00:49:30,520 --> 00:49:29,030

it's a fairly complicated book i had

1234

00:49:32,350 --> 00:49:30,530

read it when it's a complicated she has

1235

00:49:37,300 --> 00:49:32,360

a nice easy colloquial style of writing

1236

00:49:38,590 --> 00:49:37,310

but as far as what there's a very icy we

1237

00:49:40,300 --> 00:49:38,600

get into terminology astrological

1238

00:49:42,880 --> 00:49:40,310

technology we go to get ourselves sort

1239

00:49:45,160 --> 00:49:42,890

of very clear i mean i'd like to but

1240

00:49:46,360 --> 00:49:45,170

obviously not everyone understands that

1241

00:49:49,410 --> 00:49:46,370

and i'm not sure there's really that

1242

00:49:52,120 --> 00:49:49,420

much to understand anyway in a sense i'm

1243

00:49:54,010 --> 00:49:52,130

by the way speaking of team ended from

1244

00:49:56,440 --> 00:49:54,020

the straining skeptics Association but

1245

00:49:59,590 --> 00:49:56,450

look in any discussion of astrology

1246

00:50:04,500 --> 00:49:59,600

right the question we had to keep coming

1247

00:50:11,350 --> 00:50:08,340

effectiveness right of astrological

1248

00:50:15,370 --> 00:50:11,360

right i'll give you an addictions if I

1249

00:50:17,530 --> 00:50:15,380

may I can michelle bachman who was a

1250

00:50:19,240 --> 00:50:17,540

french researcher it was been constantly

1251
00:50:21,550 --> 00:50:19,250
quoted by astrologers as supporting

1252
00:50:23,170 --> 00:50:21,560
astrology apparently very few

1253
00:50:24,250 --> 00:50:23,180
astrologers had read his books because

1254
00:50:26,920 --> 00:50:24,260
he doesn't he

1255
00:50:28,630 --> 00:50:26,930
so he's French is French and he calls

1256
00:50:30,100 --> 00:50:28,640
himself a student of the new astrology

1257
00:50:32,560 --> 00:50:30,110
is that much he is the fellow report of

1258
00:50:33,940 --> 00:50:32,570
the Mars influence they're saying

1259
00:50:36,880 --> 00:50:33,950
certain people with certain plants in

1260
00:50:38,080 --> 00:50:36,890
certain houses have a certain profession

1261
00:50:42,220 --> 00:50:38,090
but that's it that's as far as he goes

1262
00:50:45,250 --> 00:50:42,230
and that's a bit questionable anyway but

1263
00:50:46,750 --> 00:50:45,260

he did an experiment and it was that he

1264

00:50:49,690 --> 00:50:46,760

put an ad in the paper and french paper

1265

00:50:51,820 --> 00:50:49,700

free horoscopes free star chart which is

1266

00:50:53,950 --> 00:50:51,830

unusual in astrological circles you know

1267

00:50:55,510 --> 00:50:53,960

we have to pay for it anything from two

1268

00:50:58,210 --> 00:50:55,520

dollars to two thousand dollars

1269

00:50:59,380 --> 00:50:58,220

depending on who you seeing right free

1270

00:51:01,510 --> 00:50:59,390

one as long as you answer a

1271

00:51:04,540 --> 00:51:01,520

questionnaire think a lot of responses I

1272

00:51:05,680 --> 00:51:04,550

would say for free and he said I can

1273

00:51:08,590 --> 00:51:05,690

answer the question there I want you to

1274

00:51:10,150 --> 00:51:08,600

give me people of answers 1 how accurate

1275

00:51:12,610 --> 00:51:10,160

is my character assessment of you and

1276

00:51:14,920 --> 00:51:12,620

how accurate do your friends think my

1277

00:51:16,900 --> 00:51:14,930

character says no I avoid the self

1278

00:51:19,000 --> 00:51:16,910

delusion thinking yes who know you

1279

00:51:20,440 --> 00:51:19,010

better right so senator about a hundred

1280

00:51:22,630 --> 00:51:20,450

and fifty people responded to the

1281

00:51:25,030 --> 00:51:22,640

questionnaire ninety percent of them

1282

00:51:26,710 --> 00:51:25,040

said I believe that your cage assessment

1283

00:51:29,620 --> 00:51:26,720

of me is spot-on ninety-five percent

1284

00:51:31,030 --> 00:51:29,630

said us perfect and in that are the what

1285

00:51:32,500 --> 00:51:31,040

are the friends think and the friends

1286

00:51:34,930 --> 00:51:32,510

the answer was ninety percent thought

1287

00:51:36,790 --> 00:51:34,940

it's very very good spot on it n

1288

00:51:39,760 --> 00:51:36,800

revealed that he sent everybody exactly

1289

00:51:41,080 --> 00:51:39,770

the same character assessment really and

1290

00:51:42,640 --> 00:51:41,090

he had actually bay state that was a

1291

00:51:44,620 --> 00:51:42,650

real cater assessment based on a real

1292

00:51:47,440 --> 00:51:44,630

star chart based on a man who had killed

1293

00:51:49,540 --> 00:51:47,450

several dozen people and then dissolved

1294

00:51:51,700 --> 00:51:49,550

their bodies in a line it was a mass

1295

00:51:53,410 --> 00:51:51,710

murderer famous French Matthew yeah they

1296

00:51:55,000 --> 00:51:53,420

wouldn't have picked that up no that's

1297

00:51:56,560 --> 00:51:55,010

what often happens if you so everyone

1298

00:51:58,450 --> 00:51:56,570

knows what York a turistic supposed to

1299

00:52:02,170 --> 00:51:58,460

be for your sign whether you be Leo

1300

00:52:04,750 --> 00:52:02,180

Taurus Virgo or whatever try getting

1301
00:52:06,640 --> 00:52:04,760
another one for a query Azure Pisces or

1302
00:52:07,990 --> 00:52:06,650
some other star sign and reading that

1303
00:52:09,880 --> 00:52:08,000
and honestly see if that applies to you

1304
00:52:12,250 --> 00:52:09,890
as well yeah so in other words it

1305
00:52:14,260 --> 00:52:12,260
wouldn't hurt once in a while to read it

1306
00:52:15,880 --> 00:52:14,270
up and then get someone else to read

1307
00:52:17,910 --> 00:52:15,890
over and see if they can I've done buddy

1308
00:52:20,140 --> 00:52:17,920
where a friend of mine has been given a

1309
00:52:22,720 --> 00:52:20,150
personality assessment by and noted

1310
00:52:25,240 --> 00:52:22,730
Australian astrologer and I've taken his

1311
00:52:26,290 --> 00:52:25,250
name off it and put my name on past the

1312
00:52:29,050 --> 00:52:26,300
people and say what do you think of this

1313
00:52:30,700 --> 00:52:29,060

I said god it's pretty places for you

1314

00:52:32,100 --> 00:52:30,710

that's not me at all is I'm totally

1315

00:52:34,290 --> 00:52:32,110

differently

1316

00:52:35,700 --> 00:52:34,300

and the other thing is you can do is

1317

00:52:37,980 --> 00:52:35,710

sort of someone asked you what your star

1318

00:52:41,250 --> 00:52:37,990

son is tell them something else and I'll

1319

00:52:45,150 --> 00:52:41,260

say I knew it all along try it it's fun

1320

00:52:49,650 --> 00:52:45,160

actually so in essence then do you feel

1321

00:52:52,980 --> 00:52:49,660

that astrology is basically an outmoded

1322

00:52:55,560 --> 00:52:52,990

system based on what the Greeks and the

1323

00:52:56,820 --> 00:52:55,570

early Babylonians used to do in order to

1324

00:52:58,770 --> 00:52:56,830

rationalize the universe that they

1325

00:53:01,020 --> 00:52:58,780

couldn't explain I could not put a bit

1326

00:53:02,850 --> 00:53:01,030

on myself what that's exactly it that's

1327

00:53:04,560 --> 00:53:02,860

right right it's only thing else you

1328

00:53:06,060 --> 00:53:04,570

want to say about it just that there

1329

00:53:07,860 --> 00:53:06,070

have been many sort of tests on base for

1330

00:53:09,540 --> 00:53:07,870

you astrologers do test themselves of

1331

00:53:10,710 --> 00:53:09,550

their own and if a days someone comes

1332

00:53:12,540 --> 00:53:10,720

back to them and said you were correct

1333

00:53:14,190 --> 00:53:12,550

that's me and they said well that proves

1334

00:53:15,810 --> 00:53:14,200

it well it doesn't prove but you have to

1335

00:53:17,850 --> 00:53:15,820

go further than that and a test that

1336

00:53:19,620 --> 00:53:17,860

have been done seriously wit astrologers

1337

00:53:22,980 --> 00:53:19,630

have proved that it doesn't work have

1338

00:53:24,810 --> 00:53:22,990

you done anything recently oh he's

1339

00:53:26,460 --> 00:53:24,820

chatting skeptics extra not misspell

1340

00:53:29,670 --> 00:53:26,470

although they have a long article would

1341

00:53:32,730 --> 00:53:29,680

spin a major survey of astrology done by

1342

00:53:34,650 --> 00:53:32,740

an Australian which researched astrology

1343

00:53:37,020 --> 00:53:34,660

for last 20 years and is noted in

1344

00:53:39,090 --> 00:53:37,030

astrological service circles as being

1345

00:53:42,750 --> 00:53:39,100

very well informed and he came out with

1346

00:53:44,460 --> 00:53:42,760

the ideas spunk oh I didn't amend them

1347

00:53:45,720 --> 00:53:44,470

from the Australian skeptics Association

1348

00:53:47,370 --> 00:53:45,730

thank you very much for coming in thank

1349

00:53:56,779 --> 00:53:47,380

you doing to tell you we will take a

1350

00:54:02,400 --> 00:53:59,730

hi this is brian dunning from sceptile

1351
00:54:04,380 --> 00:54:02,410
com the best way to share the benefits

1352
00:54:06,059 --> 00:54:04,390
of critical thinking and science with

1353
00:54:09,029 --> 00:54:06,069
someone who doesn't listen to podcasts

1354
00:54:11,039 --> 00:54:09,039
is to give them a book I invite you to

1355
00:54:13,380 --> 00:54:11,049
check out my newest book based on

1356
00:54:16,770 --> 00:54:13,390
selected episodes of The sceptile cast

1357
00:54:20,279 --> 00:54:16,780
skep tied three pirates pyramids and

1358
00:54:22,589 --> 00:54:20,289
papyrus 50 chapters contain something

1359
00:54:25,020 --> 00:54:22,599
for everyone questions you've always

1360
00:54:28,200 --> 00:54:25,030
wondered about and subject to intrigue

1361
00:54:30,870 --> 00:54:28,210
and challenge your friends pirates

1362
00:54:33,180 --> 00:54:30,880
pyramids and papyrus by Brian Dunning

1363
00:54:35,309 --> 00:54:33,190

with a foreword by Richard Saunders of

1364

00:54:37,829 --> 00:54:35,319

the Australian skeptics it's available

1365

00:54:41,339 --> 00:54:37,839

now from major online booksellers as a

1366

00:54:44,450 --> 00:54:41,349

paperback and as an e-book or get a

1367

00:54:57,690 --> 00:54:44,460

personalized copy from sceptile com I'm

1368

00:54:59,400 --> 00:54:57,700

Brian Dunning from sceptile com I like

1369

00:55:02,279 --> 00:54:59,410

rexburg like make its main out here how

1370

00:55:04,410 --> 00:55:02,289

are you thanks right now look hello is

1371

00:55:06,750 --> 00:55:04,420

your computer working properly Greg yes

1372

00:55:08,849 --> 00:55:06,760

it is thanks now you called me and

1373

00:55:10,319 --> 00:55:08,859

contacted me because there's a bit of a

1374

00:55:11,910 --> 00:55:10,329

scam that's going around now that I'm

1375

00:55:13,680 --> 00:55:11,920

sure our listeners would like to hear

1376

00:55:15,539 --> 00:55:13,690

about and also you're uniquely

1377

00:55:17,760 --> 00:55:15,549

positioned to know exactly what's going

1378

00:55:18,779 --> 00:55:17,770

on tell us sir what you do is a living

1379

00:55:20,970 --> 00:55:18,789

in how you got involved in this

1380

00:55:23,549 --> 00:55:20,980

particular scam or not or you may busted

1381

00:55:25,380 --> 00:55:23,559

it man I haven't busted it it's out

1382

00:55:27,390 --> 00:55:25,390

there and it's a lot of people are

1383

00:55:29,010 --> 00:55:27,400

getting affected by well what's going on

1384

00:55:32,130 --> 00:55:29,020

and will tell us what happen with you

1385

00:55:34,440 --> 00:55:32,140

well I've got about 30 clients had phone

1386

00:55:37,950 --> 00:55:34,450

calls from people from the subcontinent

1387

00:55:40,200 --> 00:55:37,960

pretending to be computer repairs and

1388

00:55:43,890 --> 00:55:40,210

you work in the ID areas or the news

1389

00:55:45,839 --> 00:55:43,900

you're that's right year so I then it

1390

00:55:48,000 --> 00:55:45,849

looks from people after the event thing

1391

00:55:49,829 --> 00:55:48,010

I took this phone call from this person

1392

00:55:52,680 --> 00:55:49,839

and now worried that my computer's dirty

1393

00:55:54,839 --> 00:55:52,690

and I've had one client least six

1394

00:55:56,430 --> 00:55:54,849

hundred dollars another client two

1395

00:55:58,829 --> 00:55:56,440

hundred dollars editor credit card

1396

00:56:00,150 --> 00:55:58,839

another client attempted to take twelve

1397

00:56:02,370 --> 00:56:00,160

thousand dollars out of the bank account

1398

00:56:04,270 --> 00:56:02,380

now tell us exactly how this scam works

1399

00:56:05,980 --> 00:56:04,280

and how these people expose themselves

1400

00:56:07,780 --> 00:56:05,990

losing money well what happens is the

1401
00:56:09,790 --> 00:56:07,790
kind of people that don't know too much

1402
00:56:11,800 --> 00:56:09,800
about computers and say oh we're from

1403
00:56:13,270 --> 00:56:11,810
such and such a company and your

1404
00:56:16,470 --> 00:56:13,280
computer has been reported to have a

1405
00:56:18,910 --> 00:56:16,480
problem and unless you fix this then

1406
00:56:21,670 --> 00:56:18,920
you're continuing to have problems and

1407
00:56:24,010 --> 00:56:21,680
we can help you fix it and then they'll

1408
00:56:25,720 --> 00:56:24,020
get the person to go through some

1409
00:56:26,770 --> 00:56:25,730
settings in the computer and show them

1410
00:56:28,570 --> 00:56:26,780
all the problems that are in the

1411
00:56:31,540 --> 00:56:28,580
computer and then they'll access their

1412
00:56:32,880 --> 00:56:31,550
computer remotely and well we're not

1413
00:56:35,740 --> 00:56:32,890

sure what happens with that but

1414

00:56:37,570 --> 00:56:35,750

sometimes there may be putting things

1415

00:56:38,890 --> 00:56:37,580

into the computer and sometimes they're

1416

00:56:42,370 --> 00:56:38,900

taking information out of the computer

1417

00:56:43,930 --> 00:56:42,380

without the purse so these are mainly

1418

00:56:45,370 --> 00:56:43,940

Windows computers is there any

1419

00:56:47,050 --> 00:56:45,380

particular version of windows they're

1420

00:56:49,570 --> 00:56:47,060

targeting know they're getting everybody

1421

00:56:51,070 --> 00:56:49,580

and tell me do you think they're getting

1422

00:56:52,480 --> 00:56:51,080

into their bank account details and

1423

00:56:54,220 --> 00:56:52,490

that's how they're getting it well it's

1424

00:56:55,840 --> 00:56:54,230

certainly that indication in certainly

1425

00:56:59,260 --> 00:56:55,850

one case because two weeks after they

1426
00:57:00,910 --> 00:56:59,270
accessed the computer they attempted to

1427
00:57:02,560 --> 00:57:00,920
take as I said twelve thousand dollars

1428
00:57:04,180 --> 00:57:02,570
out of someone's bank account and you've

1429
00:57:06,910 --> 00:57:04,190
gone into a few of these computers are

1430
00:57:08,770 --> 00:57:06,920
they Trojans are they key copy is what

1431
00:57:11,500 --> 00:57:08,780
are they sending off there they're all

1432
00:57:13,150 --> 00:57:11,510
kinds of things more importantly though

1433
00:57:15,430 --> 00:57:13,160
that you know you can't keep your

1434
00:57:16,750 --> 00:57:15,440
computer room in a state of not knowing

1435
00:57:19,240 --> 00:57:16,760
whether it's clean and not so you've got

1436
00:57:20,710 --> 00:57:19,250
to run software through the computer and

1437
00:57:22,600 --> 00:57:20,720
make sure that there's still nothing

1438
00:57:25,300 --> 00:57:22,610

think that there's still no possibility

1439

00:57:27,550 --> 00:57:25,310

someone accessing it remotely so if

1440

00:57:29,590 --> 00:57:27,560

someone has had this happen to them I

1441

00:57:32,140 --> 00:57:29,600

guess it's a clean install that's going

1442

00:57:35,200 --> 00:57:32,150

to be done well that's the risk you take

1443

00:57:36,400 --> 00:57:35,210

if you don't you know can't be confident

1444

00:57:38,110 --> 00:57:36,410

you've got a totally clean you might

1445

00:57:40,810 --> 00:57:38,120

need to do a wreck ring full of windows

1446

00:57:42,700 --> 00:57:40,820

right and if someone was doing backups

1447

00:57:44,140 --> 00:57:42,710

on their computer I imagine that they

1448

00:57:46,510 --> 00:57:44,150

could end up backing up the crappy stuff

1449

00:57:48,340 --> 00:57:46,520

as well that's right yeah so it's very

1450

00:57:50,020 --> 00:57:48,350

be sure the computers clean after

1451
00:57:51,820 --> 00:57:50,030
they've accessed it so what I'm really

1452
00:57:54,730 --> 00:57:51,830
trying to pass on the people is if you

1453
00:57:56,200 --> 00:57:54,740
receive this call hang up on them don't

1454
00:57:58,510 --> 00:57:56,210
do what they tell you to do don't let

1455
00:57:59,800 --> 00:57:58,520
them access your computer and if you

1456
00:58:02,740 --> 00:57:59,810
have someone that does regard to your

1457
00:58:04,720 --> 00:58:02,750
computer contact that person and you

1458
00:58:08,230 --> 00:58:04,730
know deal with the Indian Scalia to do

1459
00:58:10,090 --> 00:58:08,240
now iram and now you actually got their

1460
00:58:11,800 --> 00:58:10,100
number and you rang these people that

1461
00:58:13,420 --> 00:58:11,810
were ringing people and doing this how

1462
00:58:16,900 --> 00:58:13,430
far did you get with them a new ring men

1463
00:58:18,010 --> 00:58:16,910

oh I spoke to the front desk and claimed

1464

00:58:21,190 --> 00:58:18,020

to be a company in

1465

00:58:22,870 --> 00:58:21,200

Sydney and I asked him where were they

1466

00:58:24,520 --> 00:58:22,880

in Sydney and he then picked a very

1467

00:58:27,400 --> 00:58:24,530

offended saying or why do you want to

1468

00:58:29,110 --> 00:58:27,410

know who are you so that's as far as I

1469

00:58:30,910 --> 00:58:29,120

got the front desk we have had a few

1470

00:58:32,170 --> 00:58:30,920

people here that work here as well that

1471

00:58:33,940 --> 00:58:32,180

have said that they've also had calls

1472

00:58:35,650 --> 00:58:33,950

from them I guess the best thing is to

1473

00:58:37,330 --> 00:58:35,660

hang up on them but is there a fun way

1474

00:58:38,800 --> 00:58:37,340

you could play with their brain before

1475

00:58:41,350 --> 00:58:38,810

you hang up well I've heard of people

1476

00:58:43,030 --> 00:58:41,360

using a whistle and blowing a whistle um

1477

00:58:45,100 --> 00:58:43,040

I got the phone call about two weeks ago

1478

00:58:46,840 --> 00:58:45,110

and I played along for a while just to

1479

00:58:48,340 --> 00:58:46,850

see where they take me in wasted 20

1480

00:58:50,890 --> 00:58:48,350

minutes of his time I thought that was

1481

00:58:52,810 --> 00:58:50,900

worth doing yeah so basically they're

1482

00:58:54,430 --> 00:58:52,820

looking for money thereafter youdo

1483

00:58:57,550 --> 00:58:54,440

that's right and a lot of people are

1484

00:58:59,110 --> 00:58:57,560

getting sucked in by them or scared by

1485

00:59:01,090 --> 00:58:59,120

them worried about what's happened to

1486

00:59:02,710 --> 00:59:01,100

their computer and everyone's getting

1487

00:59:03,940 --> 00:59:02,720

very upset and all that's got to happen

1488

00:59:05,620 --> 00:59:03,950

is they've got to know a little bit more

1489

00:59:07,180 --> 00:59:05,630

about computers that you do and you'll

1490

00:59:08,500 --> 00:59:07,190

follow them along and believe that

1491

00:59:10,390 --> 00:59:08,510

they're they're really there to help you

1492

00:59:12,460 --> 00:59:10,400

that's not the case and basically we're

1493

00:59:14,230 --> 00:59:12,470

telling people that strangers just don't

1494

00:59:16,360 --> 00:59:14,240

ring you up and tell you your computer's

1495

00:59:18,490 --> 00:59:16,370

have problems that never happens that's

1496

00:59:20,470 --> 00:59:18,500

exactly right anybody that cold calls

1497

00:59:21,760 --> 00:59:20,480

you that you don't know that phones you

1498

00:59:22,930 --> 00:59:21,770

up and says there's something on with

1499

00:59:25,210 --> 00:59:22,940

the computer you don't want to know

1500

00:59:26,800 --> 00:59:25,220

about them hang up on them and how do

1501
00:59:28,150 --> 00:59:26,810
you know when if you want someone to

1502
00:59:29,650 --> 00:59:28,160
work on your computer is a reputable

1503
00:59:31,570 --> 00:59:29,660
person I mean how do you know that

1504
00:59:33,250 --> 00:59:31,580
someone's on the level that's the

1505
00:59:35,170 --> 00:59:33,260
problem there are people out there that

1506
00:59:38,260 --> 00:59:35,180
don't know too much but still selling

1507
00:59:39,730 --> 00:59:38,270
their services best way to get a person

1508
00:59:41,560 --> 00:59:39,740
is word of mouth from a friend that used

1509
00:59:43,630 --> 00:59:41,570
someone it sounds good enough to me look

1510
00:59:44,770 --> 00:59:43,640
thanks you call Greg and if you do get

1511
00:59:46,180 --> 00:59:44,780
to talk to the guys again maybe you

1512
00:59:48,400 --> 00:59:46,190
should ring them and tell them there's

1513
00:59:58,030 --> 00:59:48,410

something wrong with their computer what

1514

01:00:00,160 --> 00:59:58,040

a good idea thank you for calling

1515

01:00:02,320 --> 01:00:00,170

customer care for individuals oh man

1516

01:00:04,360 --> 01:00:02,330

health care oh yes look a friend of mine

1517

01:00:05,980 --> 01:00:04,370

just said that he had some trouble with

1518

01:00:07,000 --> 01:00:05,990

his computer and I'm very concerned that

1519

01:00:09,520 --> 01:00:07,010

I might have some trouble with my

1520

01:00:12,190 --> 01:00:09,530

computer to and and you guys do that

1521

01:00:14,560 --> 01:00:12,200

sort of thing too you know so this is

1522

01:00:16,480 --> 01:00:14,570

the customer care department the

1523

01:00:19,210 --> 01:00:16,490

customers who have signed us with our

1524

01:00:22,780 --> 01:00:19,220

company they are only provided with this

1525

01:00:25,450 --> 01:00:22,790

number okay so you can't help me really

1526

01:00:27,520 --> 01:00:25,460

problem my computer I'm sorry so it's

1527

01:00:29,980 --> 01:00:27,530

basically it's not a sales department

1528

01:00:31,359 --> 01:00:29,990

okay and where you based you you in

1529

01:00:33,609 --> 01:00:31,369

Melbourne or Sydney

1530

01:00:36,059 --> 01:00:33,619

we are based in Sydney oh okay we're

1531

01:00:38,499 --> 01:00:36,069

about you in North Sydney people or I

1532

01:00:39,999 --> 01:00:38,509

think apart we're about to your based

1533

01:00:42,460 --> 01:00:40,009

are you in North Sydney we're all other

1534

01:00:45,819 --> 01:00:42,470

guys are are you over you know 50 pop a

1535

01:00:47,470 --> 01:00:45,829

way better shipley park chifley park

1536

01:00:48,999 --> 01:00:47,480

okay well thank you very much so by

1537

01:01:13,210 --> 01:00:49,009

having a computer problem you can't help

1538

01:01:19,000 --> 01:01:15,890

thank you for listening to the skeptics

1539

01:01:22,070 --> 01:01:19,010

on a big thank you to me nerd for his

1540

01:01:24,170 --> 01:01:22,080

contribution this week and to a thang

1541

01:01:27,980 --> 01:01:24,180

Maynard you can visit his website

1542

01:01:31,730 --> 01:01:27,990

Maynard com got a huge check out his

1543

01:01:34,010 --> 01:01:31,740

videos his podcast that would be the

1544

01:01:36,440 --> 01:01:34,020

thing to do thank you may not two thumbs

1545

01:01:39,500 --> 01:01:36,450

up and just a reminder that if you

1546

01:01:42,350 --> 01:01:39,510

haven't booked your ticket for the

1547

01:01:46,730 --> 01:01:42,360

amazing meeting tam 9 in las vegas

1548

01:01:48,230 --> 01:01:46,740

coming up in mid-july bout time you are

1549

01:01:52,850 --> 01:01:48,240

worked your fingers to the keyboard

1550

01:01:57,490 --> 01:01:52,860

typed in ww Randy org and make sure you

1551

01:01:59,990 --> 01:01:57,500

secure your ticket I shall see you there

1552

01:02:07,760 --> 01:02:00,000

but for now this is Richard Saunders

1553

01:02:11,150 --> 01:02:07,770

signing off from Sydney Australia you've

1554

01:02:15,740 --> 01:02:11,160

been listening to the skeptic zone visit

1555

01:02:18,200 --> 01:02:15,750

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