

Jessica Adams

28.Jan.2011



1
00:00:06,710 --> 00:00:03,590
now astrologers have said for years that

2
00:00:09,509 --> 00:00:06,720
jupiter influences our lives

3
00:00:11,830 --> 00:00:09,519
but we now have scientific evidence that

4
00:00:14,310 --> 00:00:11,840
this mighty planet does have a

5
00:00:16,710 --> 00:00:14,320
significant connection with our own

6
00:00:19,029 --> 00:00:16,720
small world

7
00:00:20,710 --> 00:00:19,039
and jupiter is so different to our

8
00:00:23,429 --> 00:00:20,720
planet you know a big

9
00:00:24,470 --> 00:00:23,439
ball of gas half a billion kilometers

10
00:00:25,990 --> 00:00:24,480
away

11
00:00:28,470 --> 00:00:26,000
it's difficult to see how it could have

12
00:00:30,790 --> 00:00:28,480
anything to do with us at all

13
00:00:32,870 --> 00:00:30,800

but despite the fact that

14

00:00:35,830 --> 00:00:32,880

astrology is a load of rubbish

15

00:00:38,630 --> 00:00:35,840

jupiter can in fact have a profound

16

00:00:40,389 --> 00:00:38,640

influence on our planet and it's through

17

00:00:43,350 --> 00:00:40,399

a force that

18

00:00:46,150 --> 00:00:43,360

well surrounds us and penetrates us and

19

00:00:52,229 --> 00:00:46,160

binds the galaxy together

20

00:01:01,590 --> 00:00:54,869

welcome to the skeptic zone the podcast

21

00:01:12,230 --> 00:01:04,390

here are your hosts richard saunders and

22

00:01:17,990 --> 00:01:15,429

well richard long time no see hey stefan

23

00:01:19,990 --> 00:01:18,000

hey how are you hey look um thanks for

24

00:01:22,710 --> 00:01:20,000

the new music to the show we're trying

25

00:01:25,190 --> 00:01:22,720

it out oh did you like it did you i like

26

00:01:26,390 --> 00:01:25,200

it a lot i don't know if we will use it

27

00:01:28,070 --> 00:01:26,400

all the time

28

00:01:29,670 --> 00:01:28,080

it's good to have a change well i

29

00:01:32,950 --> 00:01:29,680

thought i'd do a bit of a remix a bit of

30

00:01:34,469 --> 00:01:32,960

a revamp a bit of electronica yeah yeah

31

00:01:35,749 --> 00:01:34,479

it's kind of okay you know there's

32

00:01:37,109 --> 00:01:35,759

thousands of people around the planet

33

00:01:38,789 --> 00:01:37,119

now have started listening to the zone

34

00:01:41,429 --> 00:01:38,799

and gone what what the hell's going on

35

00:01:45,030 --> 00:01:41,439

to their theme song

36

00:01:48,149 --> 00:01:45,040

hey it's all happening it's show 119

37

00:01:49,670 --> 00:01:48,159

no way yes way oh that's crazy it's been

38

00:01:51,590 --> 00:01:49,680

so long since we caught up because of

39

00:01:54,230 --> 00:01:51,600

course after the big the big ten i've

40

00:01:55,109 --> 00:01:54,240

actually got ptd

41

00:01:57,510 --> 00:01:55,119

what

42

00:01:59,510 --> 00:01:57,520

i've got i've got post town depression

43

00:02:02,230 --> 00:01:59,520

that was that was the highlight of my

44

00:02:04,230 --> 00:02:02,240

entire life was it yeah it was and ever

45

00:02:05,990 --> 00:02:04,240

since then i've just been down in the

46

00:02:08,630 --> 00:02:06,000

dumps because this is nothing can match

47

00:02:10,229 --> 00:02:08,640

it no no no that's terrible don't worry

48

00:02:12,470 --> 00:02:10,239

there's another tam coming up in las

49

00:02:13,830 --> 00:02:12,480

vegas oh yeah right as if i'm going to

50

00:02:15,990 --> 00:02:13,840

make that one but

51
00:02:18,550 --> 00:02:16,000
yeah hey i might have to try i'm a

52
00:02:20,070 --> 00:02:18,560
diplomat i'm addicted to tam man it's

53
00:02:23,589 --> 00:02:20,080
it's it's happening you have to go las

54
00:02:25,510 --> 00:02:23,599
vegas tam 9 in uh july oh wow no it

55
00:02:28,470 --> 00:02:25,520
wasn't but it was huge wasn't it it was

56
00:02:29,750 --> 00:02:28,480
here yes i'm still coming down off it

57
00:02:31,190 --> 00:02:29,760
but it's been a while since we caught up

58
00:02:32,949 --> 00:02:31,200
you've been overseas and everything i

59
00:02:34,470 --> 00:02:32,959
know everyone else knows that but i

60
00:02:35,830 --> 00:02:34,480
haven't seen you for years yeah it's

61
00:02:37,750 --> 00:02:35,840
been a while now i had a great time in

62
00:02:39,670 --> 00:02:37,760
san francisco as the zone listeners

63
00:02:41,350 --> 00:02:39,680

would know uh interviewing some good

64

00:02:44,390 --> 00:02:41,360

skeptics over there and having some good

65

00:02:47,190 --> 00:02:44,400

times back now back into it and you know

66

00:02:48,949 --> 00:02:47,200

what we've got a pretty interesting show

67

00:02:51,990 --> 00:02:48,959

coming up one that's going to cause a

68

00:02:54,309 --> 00:02:52,000

lot of controversy ooh is that right

69

00:02:55,750 --> 00:02:54,319

who are we attacking this time well

70

00:02:57,350 --> 00:02:55,760

that's a good question we're going to

71

00:02:58,949 --> 00:02:57,360

look to the stars

72

00:03:01,030 --> 00:02:58,959

and we're going to look at our

73

00:03:03,110 --> 00:03:01,040

horoscopes this week oh no i thought you

74

00:03:05,910 --> 00:03:03,120

had to be into a bit of cosmology

75

00:03:08,390 --> 00:03:05,920

well that too a bit later but we're

76

00:03:11,670 --> 00:03:08,400

going to kick off maynard's interviewing

77

00:03:14,309 --> 00:03:11,680

uh a very famous astrologer and she's

78

00:03:17,110 --> 00:03:14,319

going to put her case for the value and

79

00:03:19,110 --> 00:03:17,120

worth of of astrology and of course it

80

00:03:21,509 --> 00:03:19,120

has got a lot of worth i mean it turns

81

00:03:23,030 --> 00:03:21,519

over billions well that's true

82

00:03:25,350 --> 00:03:23,040

i guess you can put it that way that's

83

00:03:26,949 --> 00:03:25,360

right and now a fascinating interview a

84

00:03:29,589 --> 00:03:26,959

fascinating look into the mind of

85

00:03:31,350 --> 00:03:29,599

someone who believes in astrology and uh

86

00:03:32,869 --> 00:03:31,360

we're gonna discuss it a bit later on in

87

00:03:34,550 --> 00:03:32,879

the think tank but basically i want

88

00:03:36,149 --> 00:03:34,560

everybody to have a listen

89

00:03:37,830 --> 00:03:36,159

and then uh

90

00:03:39,509 --> 00:03:37,840

really write in and let us know what you

91

00:03:41,589 --> 00:03:39,519

think but we'll get to that more a bit

92

00:03:43,270 --> 00:03:41,599

later yeah be nice well

93

00:03:45,030 --> 00:03:43,280

look i guess if she's willing to put it

94

00:03:47,509 --> 00:03:45,040

out there just lay it lay her cards on

95

00:03:49,670 --> 00:03:47,519

the lay her tarot cards on the table

96

00:03:51,110 --> 00:03:49,680

then uh you know i think it's it's all

97

00:03:53,190 --> 00:03:51,120

fair and square for everyone just to

98

00:03:54,309 --> 00:03:53,200

kind of chime back in and let us know

99

00:03:56,630 --> 00:03:54,319

what they think and have a bit of a

100

00:03:58,949 --> 00:03:56,640

comment yeah so what else we got well

101

00:04:00,309 --> 00:03:58,959

following that we're going to look at

102

00:04:02,149 --> 00:04:00,319

maybe we're gonna put our feet a little

103

00:04:04,869 --> 00:04:02,159

bit more on the ground but look to the

104

00:04:08,710 --> 00:04:04,879

stars this time we're uh looking at the

105

00:04:10,789 --> 00:04:08,720

restoration of a very famous telescope

106

00:04:12,789 --> 00:04:10,799

that got completely trashed in those

107

00:04:15,270 --> 00:04:12,799

terrible fires in canberra a few years

108

00:04:17,349 --> 00:04:15,280

ago oh no yeah

109

00:04:19,509 --> 00:04:17,359

it's an historic telescope it was one of

110

00:04:21,749 --> 00:04:19,519

the biggest in the world in its day

111

00:04:23,350 --> 00:04:21,759

um used to be in melbourne got burnt to

112

00:04:26,310 --> 00:04:23,360

the ground but now it's being put back

113

00:04:28,230 --> 00:04:26,320

together completely restored yep wow so

114

00:04:30,150 --> 00:04:28,240

and so what did you go there and check

115

00:04:32,310 --> 00:04:30,160

it out and everything i did i went to a

116

00:04:35,350 --> 00:04:32,320

secret location in melbourne and it

117

00:04:38,230 --> 00:04:35,360

really is a secret location and uh saw

118

00:04:39,670 --> 00:04:38,240

these guys slowly painstakingly putting

119

00:04:42,150 --> 00:04:39,680

back the telescope what's with the

120

00:04:43,749 --> 00:04:42,160

secrecy is is it really delicate work or

121

00:04:45,430 --> 00:04:43,759

something it's delicate work and it's

122

00:04:47,670 --> 00:04:45,440

housed in a place with a lot of national

123

00:04:50,310 --> 00:04:47,680

treasures oh

124

00:04:51,749 --> 00:04:50,320

bit like indiana jones it was

125

00:04:53,189 --> 00:04:51,759

all right and what else we got we got

126
00:04:54,950 --> 00:04:53,199
the old think tank coming up we got we

127
00:04:56,950 --> 00:04:54,960
got the think tank after that with a bit

128
00:04:59,270 --> 00:04:56,960
of a chat around some of the skeptical

129
00:05:00,790 --> 00:04:59,280
issues of the day and uh somewhere in

130
00:05:03,030 --> 00:05:00,800
the show there's a brief interview i was

131
00:05:05,350 --> 00:05:03,040
on sydney radio 2gb with our good friend

132
00:05:07,749 --> 00:05:05,360
glenn wheeler at a brief discussions

133
00:05:10,310 --> 00:05:07,759
about psychic predictions ah

134
00:05:12,070 --> 00:05:10,320
you're becoming a real media hound

135
00:05:13,830 --> 00:05:12,080
aren't you you're just you're everywhere

136
00:05:15,670 --> 00:05:13,840
i'm everywhere well i ring them up and

137
00:05:17,350 --> 00:05:15,680
say why aren't i on no they don't they

138
00:05:19,270 --> 00:05:17,360

come to me which is very cool you know

139

00:05:21,029 --> 00:05:19,280

why because they listen to the skeptics

140

00:05:23,029 --> 00:05:21,039

they do they listen to the skeptic zone

141

00:05:38,070 --> 00:05:23,039

i think they must me too so let's get

142

00:05:47,909 --> 00:05:42,230

here's maynard's spooky action

143

00:05:53,110 --> 00:05:50,230

well the big astrologer flapped the big

144

00:05:54,710 --> 00:05:53,120

bbc astrologer flap of 2011 has gone up

145

00:05:55,990 --> 00:05:54,720

i mean you may think that you know ufo

146

00:05:58,390 --> 00:05:56,000

sightings over the white house were big

147

00:06:00,070 --> 00:05:58,400

in the 50s that's nothing jessica adams

148

00:06:02,469 --> 00:06:00,080

is an angry astrologer and you don't

149

00:06:04,390 --> 00:06:02,479

want them angry jessica adams welcome

150

00:06:06,550 --> 00:06:04,400

thank you so much before we get into the

151

00:06:08,790 --> 00:06:06,560

big flap what is your qualifications as

152

00:06:10,629 --> 00:06:08,800

an astrologer i did a degree you know an

153

00:06:13,029 --> 00:06:10,639

arts degree as we all did you know in

154

00:06:15,029 --> 00:06:13,039

tasmania and i did one in in religious

155

00:06:17,110 --> 00:06:15,039

studies and ancient civilizations which

156

00:06:18,629 --> 00:06:17,120

was a brilliant grounding for for what i

157

00:06:21,029 --> 00:06:18,639

was to do later and then i picked up

158

00:06:22,710 --> 00:06:21,039

philosophy i did a bunch of courses on

159

00:06:25,189 --> 00:06:22,720

astrology later on but i think that

160

00:06:26,950 --> 00:06:25,199

grounding somewhere between philosophy

161

00:06:28,790 --> 00:06:26,960

and religious studies you've got

162

00:06:30,710 --> 00:06:28,800

astrology but you don't just completely

163

00:06:32,150 --> 00:06:30,720

rely on what you see in the stars and

164

00:06:34,230 --> 00:06:32,160

the charts or the signs you've got a bit

165

00:06:36,309 --> 00:06:34,240

of a psychic action going on sometimes

166

00:06:38,230 --> 00:06:36,319

yeah i'm also psychic so i use that when

167

00:06:39,909 --> 00:06:38,240

i look at the charts too

168

00:06:41,430 --> 00:06:39,919

and you have spirit guides and i've

169

00:06:44,070 --> 00:06:41,440

always found this unusual whenever i

170

00:06:46,150 --> 00:06:44,080

interview you it always seems to me a

171

00:06:48,629 --> 00:06:46,160

spirit guide to the normal person is

172

00:06:50,710 --> 00:06:48,639

indistinguishable from a an actual

173

00:06:52,309 --> 00:06:50,720

talking delusion

174

00:06:54,070 --> 00:06:52,319

would be very insulted for you to say

175

00:06:56,070 --> 00:06:54,080

that i know i'm not saying well i will

176

00:06:57,270 --> 00:06:56,080

suddenly like a turns up and

177

00:06:58,710 --> 00:06:57,280

starts talking to you that would be

178

00:07:00,390 --> 00:06:58,720

really alarming if that happened while i

179

00:07:02,230 --> 00:07:00,400

was watching tv well if you were

180

00:07:04,469 --> 00:07:02,240

watching tv i can understand it i don't

181

00:07:06,390 --> 00:07:04,479

even have a tv it's so negative i love

182

00:07:08,150 --> 00:07:06,400

it when my guide speaks to me which one

183

00:07:10,309 --> 00:07:08,160

works best which guy do you normally

184

00:07:13,110 --> 00:07:10,319

find works best there's an older

185

00:07:15,110 --> 00:07:13,120

that you talk to sometimes

186

00:07:17,189 --> 00:07:15,120

yeah my gatekeeper is huangli and he

187

00:07:20,550 --> 00:07:17,199

keeps out all the random traffic but i

188

00:07:22,629 --> 00:07:20,560

work with uh lee and also other guys who

189

00:07:24,390 --> 00:07:22,639

you know come in from time to time for

190

00:07:25,589 --> 00:07:24,400

um the more scientifically grounded

191

00:07:27,110 --> 00:07:25,599

members of our listeners they are going

192

00:07:28,550 --> 00:07:27,120

to find that kind of strange because

193

00:07:30,150 --> 00:07:28,560

that's like wow

194

00:07:31,670 --> 00:07:30,160

it will completely trip them out unless

195

00:07:33,990 --> 00:07:31,680

they're familiar with quantum physics

196

00:07:35,830 --> 00:07:34,000

and the strangeness of quark i mean

197

00:07:38,070 --> 00:07:35,840

really in quantum

198

00:07:39,909 --> 00:07:38,080

you've got very tiny objects popping up

199

00:07:41,350 --> 00:07:39,919

and disappearing all over the place and

200

00:07:43,110 --> 00:07:41,360

you move in a world where there are

201
00:07:45,270 --> 00:07:43,120
infinite realities and parallel

202
00:07:47,029 --> 00:07:45,280
universes so why they think that what we

203
00:07:49,749 --> 00:07:47,039
do is strange compared to that i have no

204
00:07:52,790 --> 00:07:49,759
idea and what has made you so angry with

205
00:07:55,589 --> 00:07:52,800
the bbc bbc television has recently put

206
00:07:57,430 --> 00:07:55,599
out well more than one program really on

207
00:07:59,270 --> 00:07:57,440
the national broadcaster here in england

208
00:08:01,990 --> 00:07:59,280
where i'm speaking to you which

209
00:08:04,070 --> 00:08:02,000
basically just with no objective

210
00:08:06,469 --> 00:08:04,080
reasoning or backup or support

211
00:08:09,270 --> 00:08:06,479
scientifically labels astrology as

212
00:08:11,909 --> 00:08:09,280
rubbish as boulder dash you know as

213
00:08:13,670 --> 00:08:11,919

fairy floss and if you've been studying

214

00:08:15,830 --> 00:08:13,680

it for as long as we have and if there

215

00:08:18,469 --> 00:08:15,840

are as many millions of people who love

216

00:08:19,909 --> 00:08:18,479

it as we do we find that quite offensive

217

00:08:21,830 --> 00:08:19,919

very rare for this kind of thing to

218

00:08:23,909 --> 00:08:21,840

happen it is because all of them have a

219

00:08:25,909 --> 00:08:23,919

different different orbital length this

220

00:08:27,270 --> 00:08:25,919

is you know only only the earth goes

221

00:08:30,070 --> 00:08:27,280

around in one year and comes back to the

222

00:08:31,749 --> 00:08:30,080

same spot horoscopes that's all nonsense

223

00:08:33,829 --> 00:08:31,759

we're happy to say this now once and for

224

00:08:34,709 --> 00:08:33,839

all that's all rubbish right astrology

225

00:08:36,630 --> 00:08:34,719

because the planets are in different

226

00:08:38,550 --> 00:08:36,640

places are different in the interests of

227

00:08:40,469 --> 00:08:38,560

balance because we're on the bbc i

228

00:08:42,469 --> 00:08:40,479

should say that indeed dara is right

229

00:08:44,710 --> 00:08:42,479

astrology is it's not absolutely nothing

230

00:08:47,350 --> 00:08:44,720

sorry isn't the burden of proof on

231

00:08:49,829 --> 00:08:47,360

astrology to prove that it does work no

232

00:08:52,310 --> 00:08:49,839

the burden of proof is on skeptics and

233

00:08:54,710 --> 00:08:52,320

cynics to give us evidence that would

234

00:08:57,190 --> 00:08:54,720

dissuade the millions of people who

235

00:08:59,430 --> 00:08:57,200

believe in it to go the other way the

236

00:09:01,910 --> 00:08:59,440

usual one that is used is that if people

237

00:09:03,350 --> 00:09:01,920

believe that a reading is for them you

238

00:09:04,949 --> 00:09:03,360

could give that reading to anyone and

239

00:09:06,310 --> 00:09:04,959

they can suit it to themselves that's

240

00:09:07,910 --> 00:09:06,320

i've heard that mentioned a number of

241

00:09:09,750 --> 00:09:07,920

times phil played even mentioned that

242

00:09:11,430 --> 00:09:09,760

last week what do you think of that

243

00:09:13,350 --> 00:09:11,440

there is some astrology which is that

244

00:09:15,829 --> 00:09:13,360

what they call the barnum's effect the

245

00:09:17,990 --> 00:09:15,839

old sort of victorian circus roll up

246

00:09:19,509 --> 00:09:18,000

roll up come one come all there is some

247

00:09:21,670 --> 00:09:19,519

astrology which you see which i would

248

00:09:23,350 --> 00:09:21,680

classify as bad astrology which is so

249

00:09:25,110 --> 00:09:23,360

vague and generalized that it could be

250

00:09:26,550 --> 00:09:25,120

anything to anyone but uh there are

251
00:09:28,310 --> 00:09:26,560
plenty of good astrologers out there who

252
00:09:29,750 --> 00:09:28,320
are quite specific now i'm just gonna

253
00:09:31,750 --> 00:09:29,760
play a grab now from the atheist

254
00:09:33,350 --> 00:09:31,760
experience and they don't normally deal

255
00:09:35,030 --> 00:09:33,360
with astrology at all but they are

256
00:09:36,070 --> 00:09:35,040
skeptics and even they waited on this

257
00:09:38,310 --> 00:09:36,080
we'll just have a listen to what they

258
00:09:40,310 --> 00:09:38,320
had to say just last week on the atheist

259
00:09:42,949 --> 00:09:40,320
experience podcast

260
00:09:45,509 --> 00:09:42,959
this isn't news most astrologers use the

261
00:09:48,070 --> 00:09:45,519
tropical zodiac instead of the societal

262
00:09:50,949 --> 00:09:48,080
zodiac and it's the sidereal one that's

263
00:09:52,710 --> 00:09:50,959

been affected by this so it's it doesn't

264

00:09:54,550 --> 00:09:52,720

affect it not to mention the fact that

265

00:09:55,590 --> 00:09:54,560

of course this is all nonsense in the

266

00:09:58,230 --> 00:09:55,600

first place i was going to ask if you

267

00:09:59,030 --> 00:09:58,240

were defending uh no no i'm just saying

268

00:10:00,710 --> 00:09:59,040

that

269

00:10:02,470 --> 00:10:00,720

this is a prime example of the news

270

00:10:03,829 --> 00:10:02,480

reporting something that isn't news and

271

00:10:05,190 --> 00:10:03,839

a bunch of people who have no idea what

272

00:10:06,949 --> 00:10:05,200

they're talking about spinning it up

273

00:10:09,110 --> 00:10:06,959

into even more than it is and it's

274

00:10:11,670 --> 00:10:09,120

particularly ironic because even if it

275

00:10:14,310 --> 00:10:11,680

did impact something if it did impact

276

00:10:16,630 --> 00:10:14,320

astrology astrology is such a load of

277

00:10:17,750 --> 00:10:16,640

horse manure how and why people buy into

278

00:10:19,350 --> 00:10:17,760

this it's the same reason that they're

279

00:10:21,030 --> 00:10:19,360

gonna buy into anything else something

280

00:10:22,949 --> 00:10:21,040

happens oh that couldn't be a

281

00:10:25,190 --> 00:10:22,959

coincidence and they we are pattern

282

00:10:26,790 --> 00:10:25,200

seekers as long as as long as they're

283

00:10:29,750 --> 00:10:26,800

initially convinced that this was

284

00:10:31,590 --> 00:10:29,760

specifically prepared for them

285

00:10:33,030 --> 00:10:31,600

even they are confused that this is an

286

00:10:34,550 --> 00:10:33,040

issue because they're not a fan of

287

00:10:36,310 --> 00:10:34,560

astrology but they don't know why it's

288

00:10:37,910 --> 00:10:36,320

suddenly become a flap it's all about

289

00:10:40,069 --> 00:10:37,920

procession is that correct yeah the

290

00:10:42,870 --> 00:10:40,079

procession of the equinox explain that

291

00:10:45,030 --> 00:10:42,880

to us non-astronomer or astrology people

292

00:10:47,190 --> 00:10:45,040

it's what you would expect that over the

293

00:10:49,269 --> 00:10:47,200

the millennia since astrology was a

294

00:10:51,590 --> 00:10:49,279

belief system that the earth has

295

00:10:53,269 --> 00:10:51,600

slightly tilted each time so that the

296

00:10:55,750 --> 00:10:53,279

constellations are now in different

297

00:10:58,949 --> 00:10:55,760

places in position to the sun where they

298

00:11:00,949 --> 00:10:58,959

were about 2 000 years ago so in old

299

00:11:03,030 --> 00:11:00,959

school thinking if you were an aquarian

300

00:11:05,430 --> 00:11:03,040

you are now the sign next along is that

301
00:11:07,590 --> 00:11:05,440
the case or do you not use that version

302
00:11:10,230 --> 00:11:07,600
of the zodiac we don't use that version

303
00:11:13,829 --> 00:11:10,240
we don't use an astronomer's sky we use

304
00:11:15,670 --> 00:11:13,839
a symbolic system of divination which is

305
00:11:17,590 --> 00:11:15,680
a symbolic way of thinking which bears

306
00:11:19,430 --> 00:11:17,600
no relationship to what they see through

307
00:11:20,949 --> 00:11:19,440
their telescope that's what phil said

308
00:11:22,949 --> 00:11:20,959
last week he was saying how could

309
00:11:24,710 --> 00:11:22,959
distant suns and stars have any effect

310
00:11:26,630 --> 00:11:24,720
on you when you're born and that's what

311
00:11:28,790 --> 00:11:26,640
you're saying it doesn't actually do

312
00:11:31,509 --> 00:11:28,800
there is no effect i mean there's a very

313
00:11:34,550 --> 00:11:31,519

famous criticism of astrology which is

314

00:11:36,389 --> 00:11:34,560

how could pluto have any greater effect

315

00:11:38,790 --> 00:11:36,399

on you than the midwife in terms of

316

00:11:41,030 --> 00:11:38,800

physical contact or closeness to you

317

00:11:43,110 --> 00:11:41,040

when you're a tiny baby being born the

318

00:11:45,430 --> 00:11:43,120

midwife has a greater gravitational pull

319

00:11:48,069 --> 00:11:45,440

on you than pluto but astrologers don't

320

00:11:50,150 --> 00:11:48,079

even argue that point our argument is

321

00:11:52,389 --> 00:11:50,160

that it's synchronicity there is a kind

322

00:11:55,509 --> 00:11:52,399

of weird cosmic conflagration or

323

00:11:57,990 --> 00:11:55,519

coincidence a kind of poetry and magic

324

00:11:59,829 --> 00:11:58,000

that connects heaven with earth us with

325

00:12:02,069 --> 00:11:59,839

that which has nothing to do with

326

00:12:04,230 --> 00:12:02,079

causation but everything to do

327

00:12:07,030 --> 00:12:04,240

with the coming together of similar

328

00:12:09,110 --> 00:12:07,040

events and circumstances because it is

329

00:12:10,790 --> 00:12:09,120

pretty indistinguishable for magic that

330

00:12:12,710 --> 00:12:10,800

means it's very difficult to test

331

00:12:14,790 --> 00:12:12,720

jessica it kind of is and it kind of

332

00:12:16,870 --> 00:12:14,800

isn't if you subject it to math

333

00:12:18,949 --> 00:12:16,880

statistical testing it tends to fall

334

00:12:20,230 --> 00:12:18,959

down but if you're prepared to accept

335

00:12:23,030 --> 00:12:20,240

that the one

336

00:12:25,190 --> 00:12:23,040

white sworn argument you know or the one

337

00:12:27,910 --> 00:12:25,200

blue peacock or the one red peacock

338

00:12:30,790 --> 00:12:27,920

argument holds court then we have enough

339

00:12:33,030 --> 00:12:30,800

individual arguments of accuracy

340

00:12:34,389 --> 00:12:33,040

and quite striking accuracy

341

00:12:36,389 --> 00:12:34,399

to make you would have you would have

342

00:12:39,269 --> 00:12:36,399

hoped the average thinking cynic or

343

00:12:42,629 --> 00:12:39,279

skeptic think so what do you want the

344

00:12:44,629 --> 00:12:42,639

bbc to do i think they should just give

345

00:12:47,190 --> 00:12:44,639

open slabber to the other side and to

346

00:12:49,110 --> 00:12:47,200

stop allowing people to broadcast on

347

00:12:50,710 --> 00:12:49,120

prime time it's a taxpayer-funded

348

00:12:53,269 --> 00:12:50,720

television station

349

00:12:55,190 --> 00:12:53,279

total kind of ignorance abuse of

350

00:12:57,030 --> 00:12:55,200

something that you really shouldn't be

351

00:12:59,190 --> 00:12:57,040

abusing unless you're okay with it

352

00:13:01,030 --> 00:12:59,200

that's my main issue with it you'll

353

00:13:03,110 --> 00:13:01,040

become a bit of an activist astrologer

354

00:13:04,790 --> 00:13:03,120

of recent haven't you just like all of

355

00:13:06,949 --> 00:13:04,800

us i guess i've been doing this since i

356

00:13:09,509 --> 00:13:06,959

was 20 20 something years old i've been

357

00:13:11,910 --> 00:13:09,519

drinking 20 years and it's my profession

358

00:13:14,870 --> 00:13:11,920

i know that people get so much from it

359

00:13:17,269 --> 00:13:14,880

and i just get slightly annoyed when we

360

00:13:19,030 --> 00:13:17,279

become kind of target of the month for

361

00:13:21,910 --> 00:13:19,040

people who don't even really understand

362

00:13:23,430 --> 00:13:21,920

what we do that's the opposite complete

363

00:13:25,269 --> 00:13:23,440

argument to what phil plate was saying

364

00:13:26,470 --> 00:13:25,279

last week he was saying look get the

365

00:13:28,230 --> 00:13:26,480

astrology out of it because the

366

00:13:30,230 --> 00:13:28,240

astronomer is what's going on we know

367

00:13:32,150 --> 00:13:30,240

what's going up there in the heavens the

368

00:13:34,629 --> 00:13:32,160

astrologers are just making stuff up so

369

00:13:36,470 --> 00:13:34,639

it's a direct opposite argument yeah i

370

00:13:38,790 --> 00:13:36,480

think it's the extreme point of

371

00:13:40,949 --> 00:13:38,800

arrogance to presume that you should be

372

00:13:42,949 --> 00:13:40,959

able to control a television station or

373

00:13:45,829 --> 00:13:42,959

any other kind of national broadcast

374

00:13:47,910 --> 00:13:45,839

program like education in favor of a

375

00:13:49,990 --> 00:13:47,920

point of view that hasn't really been

376

00:13:52,150 --> 00:13:50,000

proven i always have an issue with

377

00:13:54,230 --> 00:13:52,160

criticism of astrology because it's not

378

00:13:56,550 --> 00:13:54,240

informed they don't actually understand

379

00:13:58,550 --> 00:13:56,560

what we do they don't know how it works

380

00:14:00,550 --> 00:13:58,560

they haven't spoken to many of us before

381

00:14:03,030 --> 00:14:00,560

they come out with his assertions and

382

00:14:04,710 --> 00:14:03,040

the level of build and bile is just

383

00:14:07,030 --> 00:14:04,720

extraordinary i think part of the

384

00:14:09,350 --> 00:14:07,040

problem with the world of astrology is

385

00:14:11,829 --> 00:14:09,360

that every astrologer is very different

386

00:14:13,829 --> 00:14:11,839

and has their own way of finding out

387

00:14:15,670 --> 00:14:13,839

what is going to go on is it right to

388

00:14:17,990 --> 00:14:15,680

say that completely right to say it and

389

00:14:19,750 --> 00:14:18,000

it's completely healthy you know we were

390

00:14:22,310 --> 00:14:19,760

never meant to be compressed into a

391

00:14:24,629 --> 00:14:22,320

great sausage machine of statistics

392

00:14:26,230 --> 00:14:24,639

the mystery and the magic miraculous

393

00:14:28,870 --> 00:14:26,240

quality of astrology is that it's the

394

00:14:30,949 --> 00:14:28,880

one-off incident the one case just that

395

00:14:33,189 --> 00:14:30,959

lots of us do plenty of them in the in

396

00:14:35,350 --> 00:14:33,199

the course of a month's work phil was uh

397

00:14:36,790 --> 00:14:35,360

so also saying last week

398

00:14:38,069 --> 00:14:36,800

people make stuff up about the universe

399

00:14:39,910 --> 00:14:38,079

all the time because i think they want

400

00:14:41,670 --> 00:14:39,920

to make it more exciting but you don't

401
00:14:43,110 --> 00:14:41,680
need to once you learn about what's

402
00:14:46,069 --> 00:14:43,120
really out there and what's really going

403
00:14:49,030 --> 00:14:46,079
on there is enough wonder and awe and

404
00:14:50,629 --> 00:14:49,040
majesty out there for anyone

405
00:14:53,110 --> 00:14:50,639
what do you say to him if i'm making

406
00:14:54,790 --> 00:14:53,120
stuff up i'd really like to know how

407
00:14:56,550 --> 00:14:54,800
just taking the last four weeks i

408
00:14:59,030 --> 00:14:56,560
managed to make predictions about news

409
00:15:01,189 --> 00:14:59,040
headlines a month before they happened i

410
00:15:03,430 --> 00:15:01,199
mean i have written novels in my time

411
00:15:05,750 --> 00:15:03,440
but i wasn't making it up i was using

412
00:15:07,750 --> 00:15:05,760
astrology how did it happen can he give

413
00:15:10,310 --> 00:15:07,760

me an explanation for that i mean he

414

00:15:12,310 --> 00:15:10,320

would say coincidence but coincidence

415

00:15:14,470 --> 00:15:12,320

synchronicity is the principle on which

416

00:15:15,910 --> 00:15:14,480

astrology is founded and jessica you've

417

00:15:17,430 --> 00:15:15,920

got your own podcast too you've got the

418

00:15:19,670 --> 00:15:17,440

astrology podcast and you've got a

419

00:15:21,590 --> 00:15:19,680

pretty interesting guy you work with who

420

00:15:24,710 --> 00:15:21,600

a lot of people who are fans of the

421

00:15:26,790 --> 00:15:24,720

music industry in the 70s in england

422

00:15:30,230 --> 00:15:26,800

would know yeah neil spencer was the

423

00:15:32,470 --> 00:15:30,240

editor of nme in 1977 the year that punk

424

00:15:33,990 --> 00:15:32,480

broke in england and he was pretty much

425

00:15:35,750 --> 00:15:34,000

one of the first people to review the

426

00:15:37,910 --> 00:15:35,760

sex pistols and he's still a music

427

00:15:40,150 --> 00:15:37,920

writer today but he chose to become an

428

00:15:42,230 --> 00:15:40,160

astrologer too is it a bit like becoming

429

00:15:44,710 --> 00:15:42,240

a minister of religion do you actually

430

00:15:48,310 --> 00:15:44,720

choose choose to be an astrologer or do

431

00:15:51,509 --> 00:15:50,150

i think everyone gets a calling because

432

00:15:53,269 --> 00:15:51,519

one day they're looking for an answer

433

00:15:55,269 --> 00:15:53,279

and they turn to an astrology book or an

434

00:15:57,350 --> 00:15:55,279

epemeros which is our list of planetary

435

00:15:59,269 --> 00:15:57,360

positions and they find this answer and

436

00:16:01,749 --> 00:15:59,279

they you know as all normal human beings

437

00:16:03,509 --> 00:16:01,759

do they go oh well maybe i don't know

438

00:16:05,670 --> 00:16:03,519

and then they sign to their amazement

439

00:16:07,590 --> 00:16:05,680

it's absolutely bang on and that's when

440

00:16:10,310 --> 00:16:07,600

you become you've got one foot over the

441

00:16:12,069 --> 00:16:10,320

divide well jessica if people are for

442

00:16:13,269 --> 00:16:12,079

you or against you where can they find

443

00:16:15,590 --> 00:16:13,279

you and you can engage them in

444

00:16:17,990 --> 00:16:15,600

conversation as long as they're polite

445

00:16:20,870 --> 00:16:18,000

yeah politeness is key good manners

446

00:16:22,790 --> 00:16:20,880

rules if anybody wants to drop by and

447

00:16:25,110 --> 00:16:22,800

have a discussion they can go first of

448

00:16:26,949 --> 00:16:25,120

all to the astrology show on itunes and

449

00:16:29,030 --> 00:16:26,959

tune in and then we have a blog and a

450

00:16:30,710 --> 00:16:29,040

website that that you'll hear advertised

451
00:16:32,710 --> 00:16:30,720
on that the audience you're working out

452
00:16:34,710 --> 00:16:32,720
here is going man this is just stuff

453
00:16:37,430 --> 00:16:34,720
that just is just made up it's not right

454
00:16:39,509 --> 00:16:37,440
it's just it can't be proven by the way

455
00:16:41,189 --> 00:16:39,519
why can't we prove it why can't we go

456
00:16:42,710 --> 00:16:41,199
okay these are the winning numbers of

457
00:16:44,710 --> 00:16:42,720
the lottery this is what's going to

458
00:16:46,550 --> 00:16:44,720
happen on this day why can't we do that

459
00:16:48,629 --> 00:16:46,560
because the lottery would collapse and

460
00:16:51,030 --> 00:16:48,639
nobody wants that to happen when it

461
00:16:53,749 --> 00:16:51,040
comes to great numbers and math

462
00:16:56,230 --> 00:16:53,759
statistics about anything astrology

463
00:16:57,990 --> 00:16:56,240

tends to fail because it was never meant

464

00:16:59,509 --> 00:16:58,000

to be misused and abused and if it

465

00:17:01,030 --> 00:16:59,519

worked on a mass level like that

466

00:17:02,629 --> 00:17:01,040

particularly financially it just

467

00:17:04,470 --> 00:17:02,639

wouldn't work but when it comes to the

468

00:17:06,230 --> 00:17:04,480

individual case it can be quite

469

00:17:08,549 --> 00:17:06,240

spectacular and what has been your most

470

00:17:10,150 --> 00:17:08,559

spectacular success prediction wise i

471

00:17:12,710 --> 00:17:10,160

suppose the most useful thing that i

472

00:17:15,110 --> 00:17:12,720

ever did was put into a book that came

473

00:17:16,470 --> 00:17:15,120

out a few years ago that anyone who had

474

00:17:19,189 --> 00:17:16,480

a pension

475

00:17:21,270 --> 00:17:19,199

should really around the year 2008 start

476
00:17:23,189 --> 00:17:21,280
looking at where that pension was lodged

477
00:17:26,069 --> 00:17:23,199
because i could see pluto going into

478
00:17:27,990 --> 00:17:26,079
capricorn and a big global financial

479
00:17:30,390 --> 00:17:28,000
problem so i was worried about people's

480
00:17:31,990 --> 00:17:30,400
pensions so if anybody had a closer look

481
00:17:34,070 --> 00:17:32,000
at where the super was going around that

482
00:17:35,669 --> 00:17:34,080
yeah i'm very happy jessica adams thanks

483
00:17:38,070 --> 00:17:35,679
for talking to us we'll be keeping an

484
00:17:40,070 --> 00:17:38,080
eye on the on the big astrologer flap

485
00:17:41,669 --> 00:17:40,080
and i'll give you the last word the last

486
00:17:43,110 --> 00:17:41,679
message for skeptics out there that

487
00:17:45,430 --> 00:17:43,120
still are just not convinced about

488
00:17:47,750 --> 00:17:45,440

astrology at all if you open your mind

489

00:17:49,350 --> 00:17:47,760

and you try believing see what happens

490

00:17:52,310 --> 00:17:49,360

give it give it the suspension of

491

00:17:53,669 --> 00:17:52,320

disbelief for four weeks and report back

492

00:17:55,830 --> 00:17:53,679

and jessica you've actually got some

493

00:17:57,750 --> 00:17:55,840

scientific research people can do after

494

00:17:59,909 --> 00:17:57,760

the show yeah if you're curious about

495

00:18:01,830 --> 00:17:59,919

the quantum world and the strangeness of

496

00:18:04,150 --> 00:18:01,840

it but also the beauty and the charm of

497

00:18:06,549 --> 00:18:04,160

quantum as applied to your life then go

498

00:18:09,270 --> 00:18:06,559

and check out fred allen wolfe who is at

499

00:18:10,789 --> 00:18:09,280

fred allenwolf.com he has fascinating

500

00:18:14,549 --> 00:18:10,799

views on the past the present and the

501
00:18:16,230 --> 00:18:14,559
future and he uses quantum as a gateway

502
00:18:19,590 --> 00:18:16,240
to open your mind and open up your

503
00:18:22,230 --> 00:18:19,600
reality he's taken the logic of that

504
00:18:24,470 --> 00:18:22,240
many universe theory to the brink and

505
00:18:26,070 --> 00:18:24,480
applied it to your life which is very

506
00:18:28,310 --> 00:18:26,080
exciting and i think it's very

507
00:18:30,470 --> 00:18:28,320
liberating too look one thing i want to

508
00:18:33,590 --> 00:18:30,480
know tell me try and get into your

509
00:18:37,029 --> 00:18:33,600
spirit guide right now will will right

510
00:18:40,870 --> 00:18:39,029
the curve you got

511
00:18:44,230 --> 00:18:40,880
deeply hot

512
00:18:46,549 --> 00:18:44,240
hot for the curves you got

513
00:18:49,830 --> 00:18:46,559

the funny thing is since you asked me

514

00:18:51,669 --> 00:18:49,840

maynard one of them is going to do very

515

00:18:53,750 --> 00:18:51,679

well in business nothing to do with

516

00:18:55,909 --> 00:18:53,760

singing or flexing the muscles or any of

517

00:18:57,510 --> 00:18:55,919

that or wearing very tight shorts but

518

00:18:59,510 --> 00:18:57,520

very big in business and it will help

519

00:19:01,669 --> 00:18:59,520

his home country and many other places

520

00:19:03,669 --> 00:19:01,679

through europe that's exciting see

521

00:19:05,350 --> 00:19:03,679

that's why astrology is exciting an

522

00:19:07,909 --> 00:19:05,360

astronomer will never tell you right

523

00:19:10,150 --> 00:19:07,919

said incredibly big again

524

00:19:27,909 --> 00:19:10,160

well in his own way one of them will be

525

00:19:31,669 --> 00:19:29,909

this is eugenie scott national center

526
00:19:37,029 --> 00:19:31,679
for science education

527
00:19:41,029 --> 00:19:38,710
come see us if you want to know anything

528
00:19:43,590 --> 00:19:41,039
about the creationism and evolution

529
00:19:45,430 --> 00:19:43,600
conflict in the united states or

530
00:19:47,430 --> 00:19:45,440
moors the pity internationally these

531
00:19:50,549 --> 00:19:47,440
days we are a clearinghouse for

532
00:19:52,549 --> 00:19:50,559
information on this vexing but certainly

533
00:20:04,630 --> 00:19:52,559
very interesting problem

534
00:20:08,070 --> 00:20:06,230
one of the many things i like about

535
00:20:09,830 --> 00:20:08,080
melbourne is they were wise enough to

536
00:20:11,830 --> 00:20:09,840
keep their tram network

537
00:20:13,750 --> 00:20:11,840
when a lot of the country didn't

538
00:20:15,350 --> 00:20:13,760

including sydney got rid of most of

539

00:20:17,190 --> 00:20:15,360

their trams in fact sydney got rid of

540

00:20:18,710 --> 00:20:17,200

all of its trams

541

00:20:20,710 --> 00:20:18,720

one came back recently but it's not the

542

00:20:23,510 --> 00:20:20,720

same thing i'm on one of melbourne's

543

00:20:25,830 --> 00:20:23,520

trams now with dr steve roberts

544

00:20:28,230 --> 00:20:25,840

dr steve we're heading off to see uh

545

00:20:29,990 --> 00:20:28,240

quite a famous telescope it's a great

546

00:20:36,470 --> 00:20:30,000

melbourne telescope richard and the

547

00:20:39,350 --> 00:20:37,909

i think we have to get off here in fact

548

00:20:41,830 --> 00:20:39,360

you can hear the tram in the background

549

00:20:43,430 --> 00:20:41,840

and it's um reasonably quiet just only

550

00:20:45,590 --> 00:20:43,440

the noise of the rails yeah we do get

551
00:20:48,390 --> 00:20:45,600
off here this is our stuff all right

552
00:20:50,470 --> 00:20:48,400
so we'll hop off but i'm quite keen to

553
00:20:53,990 --> 00:20:50,480
uh to see this telescope because i've

554
00:20:55,669 --> 00:20:54,000
been working uh on the newsletter

555
00:21:00,230 --> 00:20:55,679
as you know i think we get off on the

556
00:21:03,830 --> 00:21:01,909
out into the street i've been working on

557
00:21:05,510 --> 00:21:03,840
the newsletter with you for quite uh

558
00:21:06,470 --> 00:21:05,520
what about a year or so now that's why i

559
00:21:08,630 --> 00:21:06,480
do a little newsletter for the

560
00:21:11,830 --> 00:21:08,640
volunteers who are on the project we've

561
00:21:13,190 --> 00:21:11,840
got about 60 volunteers only about 20

562
00:21:14,950 --> 00:21:13,200
are really active

563
00:21:17,430 --> 00:21:14,960

and we go along every week and try and

564

00:21:19,909 --> 00:21:17,440

um repair and maintain the parts of it

565

00:21:21,350 --> 00:21:19,919

and um this is a labor of love isn't it

566

00:21:22,549 --> 00:21:21,360

yeah well if i could go about the

567

00:21:24,549 --> 00:21:22,559

history of the telescope it was the

568

00:21:33,190 --> 00:21:24,559

biggest telescope in the world

569

00:21:37,190 --> 00:21:35,110

i was a big ego trip for the new city of

570

00:21:38,630 --> 00:21:37,200

melbourne which was newly rich from gold

571

00:21:39,909 --> 00:21:38,640

and um to have a

572

00:21:41,029 --> 00:21:39,919

bigger scope of the world and have it in

573

00:21:43,270 --> 00:21:41,039

the southern hemisphere was

574

00:21:45,669 --> 00:21:43,280

astronomically very important

575

00:21:48,470 --> 00:21:45,679

and it's been used ever since then it

576

00:21:50,230 --> 00:21:48,480
was sent to canberra in 1946

577

00:21:52,789 --> 00:21:50,240
and actually did pioneering work in

578

00:21:55,029 --> 00:21:52,799
canberra until 2003

579

00:21:56,470 --> 00:21:55,039
when the mighty bushfire raged across

580

00:21:58,710 --> 00:21:56,480
the act

581

00:22:00,549 --> 00:21:58,720
and the telescope was entirely destroyed

582

00:22:02,549 --> 00:22:00,559
and um the mirror was all shattered and

583

00:22:03,750 --> 00:22:02,559
all the middle parts were bent and

584

00:22:05,750 --> 00:22:03,760
buckled

585

00:22:07,510 --> 00:22:05,760
and um some amateurs now together with

586

00:22:09,750 --> 00:22:07,520
the museum of victoria

587

00:22:11,350 --> 00:22:09,760
have um salvaged the uh

588

00:22:13,270 --> 00:22:11,360

parts of the telescope and we're

589

00:22:14,549 --> 00:22:13,280

repairing them and straightening them

590

00:22:15,990 --> 00:22:14,559

out and

591

00:22:17,190 --> 00:22:16,000

that's the number nine tram that was the

592

00:22:21,350 --> 00:22:17,200

number nine traveler they're just doing

593

00:22:28,310 --> 00:22:23,510

another number nine track yeah it's very

594

00:22:31,669 --> 00:22:30,070

yeah so we're on our way now we're just

595

00:22:33,990 --> 00:22:31,679

at a bus stop by having gotten off the

596

00:22:36,230 --> 00:22:34,000

tram to look at the um the

597

00:22:37,510 --> 00:22:36,240

reconstruction the renovations the

598

00:22:39,590 --> 00:22:37,520

restoration in progress yeah the

599

00:22:41,990 --> 00:22:39,600

restoration yeah you'll see um amateurs

600

00:22:45,110 --> 00:22:42,000

tony away with wire brushes scrubbing

601
00:22:46,789 --> 00:22:45,120
metal parts clean of a bushfire detritus

602
00:22:48,310 --> 00:22:46,799
and making technical drawings of the

603
00:22:50,549 --> 00:22:48,320
parts and um

604
00:22:52,470 --> 00:22:50,559
worrying about the design of new parts

605
00:22:54,470 --> 00:22:52,480
we have to make to the colony parts are

606
00:22:55,990 --> 00:22:54,480
really destroyed all right well we'll

607
00:22:58,070 --> 00:22:56,000
wait for our bus and then we'll head off

608
00:22:59,430 --> 00:22:58,080
and have a good look at this telescope

609
00:23:03,669 --> 00:22:59,440
yeah hopefully it'll be quieter when we

610
00:23:07,669 --> 00:23:05,750
so we have uh we've found ourselves on

611
00:23:08,870 --> 00:23:07,679
the bus now steve we're on a bus yeah

612
00:23:10,149 --> 00:23:08,880
we're on a bus

613
00:23:11,669 --> 00:23:10,159

and you were just telling me about the

614

00:23:13,350 --> 00:23:11,679

um

615

00:23:15,270 --> 00:23:13,360

uh the notable people who are actually

616

00:23:17,669 --> 00:23:15,280

behind this project yeah that's why we

617

00:23:18,950 --> 00:23:17,679

wrote to some augustan famous people and

618

00:23:19,750 --> 00:23:18,960

asked them to

619

00:23:22,230 --> 00:23:19,760

um

620

00:23:24,070 --> 00:23:22,240

to recognize the project to restore the

621

00:23:26,070 --> 00:23:24,080

telescope uh we didn't ask for money we

622

00:23:27,669 --> 00:23:26,080

just said you want we want to

623

00:23:28,710 --> 00:23:27,679

to agree this is a good thing and should

624

00:23:31,029 --> 00:23:28,720

be done

625

00:23:33,270 --> 00:23:31,039

and we've got lots of uh

626
00:23:34,230 --> 00:23:33,280
notable people in the melbourne uh world

627
00:23:36,470 --> 00:23:34,240
to uh

628
00:23:39,110 --> 00:23:36,480
condone the project and um

629
00:23:40,710 --> 00:23:39,120
support it it's best support for it

630
00:23:43,029 --> 00:23:40,720
but this is a joint initiative between

631
00:23:45,190 --> 00:23:43,039
the botanical gardens the museum of

632
00:23:47,110 --> 00:23:45,200
victoria and just the astronomical

633
00:23:49,029 --> 00:23:47,120
society of victoria

634
00:23:50,950 --> 00:23:49,039
and we each put our own

635
00:23:52,710 --> 00:23:50,960
part into the project the botanical

636
00:23:54,789 --> 00:23:52,720
gardens own the building

637
00:23:56,870 --> 00:23:54,799
where the telescope will go

638
00:23:57,669 --> 00:23:56,880

the museum actually over the telescope

639

00:24:00,070 --> 00:23:57,679

um

640

00:24:01,750 --> 00:24:00,080

on behalf of the people of victoria

641

00:24:03,830 --> 00:24:01,760

then the astronomical society have the

642

00:24:05,909 --> 00:24:03,840

skill to restore it and can command

643

00:24:07,750 --> 00:24:05,919

volunteer labor on a large scale the big

644

00:24:09,990 --> 00:24:07,760

thing is that you're telling me it's

645

00:24:12,230 --> 00:24:10,000

really it's the love of volunteers that

646

00:24:13,669 --> 00:24:12,240

are making this all possible and already

647

00:24:15,750 --> 00:24:13,679

the volunteers have put in something

648

00:24:18,630 --> 00:24:15,760

like 4 000 hours or something like that

649

00:24:20,630 --> 00:24:18,640

of their time and effort that's right we

650

00:24:22,870 --> 00:24:20,640

come once a week and work a bit less

651
00:24:23,909 --> 00:24:22,880
than a full day because 10 or 12 people

652
00:24:25,750 --> 00:24:23,919
typically

653
00:24:29,029 --> 00:24:25,760
will work from

654
00:24:32,870 --> 00:24:30,950
doing odd jobs and doing drawings so the

655
00:24:34,470 --> 00:24:32,880
fair bit of work is done out of hours

656
00:24:36,710 --> 00:24:34,480
too i mean i

657
00:24:39,350 --> 00:24:36,720
i work on the database of parts and

658
00:24:41,350 --> 00:24:39,360
sorting out and tidying up the an excel

659
00:24:43,510 --> 00:24:41,360
file and i do nearly all of that at home

660
00:24:44,710 --> 00:24:43,520
not at the museum yeah

661
00:24:46,549 --> 00:24:44,720
there's a guy who does technical

662
00:24:48,390 --> 00:24:46,559
drawings and comes in and measures up he

663
00:24:50,630 --> 00:24:48,400

actually does the drawings at home

664

00:24:52,070 --> 00:24:50,640

he's a retired engineer and there's

665

00:24:53,269 --> 00:24:52,080

something for people in in the

666

00:24:55,510 --> 00:24:53,279

profession

667

00:24:57,669 --> 00:24:55,520

now retired it's a wonderful project for

668

00:24:59,510 --> 00:24:57,679

them i think it's a real hoot to work

669

00:25:02,390 --> 00:24:59,520

with these guys all over 60 and all

670

00:25:04,549 --> 00:25:02,400

retired but they're all mighty engineers

671

00:25:06,470 --> 00:25:04,559

in their time and it's a real privilege

672

00:25:09,269 --> 00:25:06,480

to associate with these people who've

673

00:25:11,269 --> 00:25:09,279

got vast experience and have done all

674

00:25:12,390 --> 00:25:11,279

sorts of bizarre things in engineering

675

00:25:13,830 --> 00:25:12,400

that's uh

676

00:25:15,830 --> 00:25:13,840

really quite interesting you've really

677

00:25:17,510 --> 00:25:15,840

wetted my appetite and uh we're bumping

678

00:25:19,990 --> 00:25:17,520

along on this bus here we're getting

679

00:25:26,230 --> 00:25:20,000

before the telescope yeah getting close

680

00:25:30,470 --> 00:25:28,390

now we've actually entered the

681

00:25:31,990 --> 00:25:30,480

secret location of this telescope

682

00:25:34,630 --> 00:25:32,000

restoration now we've come through

683

00:25:35,750 --> 00:25:34,640

security walking down this long hall

684

00:25:37,990 --> 00:25:35,760

looks like something ought to get

685

00:25:40,549 --> 00:25:38,000

smarter must they must say through these

686

00:25:46,470 --> 00:25:43,909

into a giant hanger type

687

00:25:47,909 --> 00:25:46,480

room oh i see we have to wear a vest in

688

00:25:50,070 --> 00:25:47,919

case you get mistaken for the exhibit

689

00:25:51,750 --> 00:25:50,080

and put in a glass place so

690

00:25:53,669 --> 00:25:51,760

are these vests belong to anybody or can

691

00:25:57,510 --> 00:25:53,679

i just want to have one large if

692

00:26:00,310 --> 00:25:57,520

possible large if possible

693

00:26:02,230 --> 00:26:00,320

put on a safety vest now yeah

694

00:26:04,230 --> 00:26:02,240

okay

695

00:26:06,630 --> 00:26:04,240

so let's keep walking back

696

00:26:08,710 --> 00:26:06,640

passing all sorts of uh

697

00:26:11,430 --> 00:26:08,720

priceless looking priceless exhibits

698

00:26:13,430 --> 00:26:11,440

here and paintings and things

699

00:26:15,190 --> 00:26:13,440

uh old

700

00:26:16,390 --> 00:26:15,200

dinosaur footprints look at that on the

701
00:26:19,190 --> 00:26:16,400
wall there

702
00:26:21,269 --> 00:26:19,200
fascinating old engines here an old

703
00:26:23,830 --> 00:26:21,279
sewing machine

704
00:26:24,630 --> 00:26:23,840
so some treasures here from victoria's

705
00:26:27,029 --> 00:26:24,640
park

706
00:26:28,710 --> 00:26:27,039
a display of dinosaurs hatching from

707
00:26:32,390 --> 00:26:28,720
eggs steve what place have you brought

708
00:26:34,789 --> 00:26:32,400
me to yeah look at that looks stunning

709
00:26:39,029 --> 00:26:34,799
rufus the duck whatever rufus the duck

710
00:26:40,870 --> 00:26:39,039
is okay we had the original

711
00:26:43,510 --> 00:26:40,880
here oh really

712
00:26:44,870 --> 00:26:43,520
it's gone now um well i it's hard to

713
00:26:46,149 --> 00:26:44,880

describe what i'm looking at here it's

714

00:26:48,870 --> 00:26:46,159

just giant

715

00:26:51,350 --> 00:26:48,880

rows and shelves of

716

00:26:53,269 --> 00:26:51,360

priceless memorabilia here they're all

717

00:26:55,269 --> 00:26:53,279

probably the people of victoria under

718

00:26:57,510 --> 00:26:55,279

the custody of the museum

719

00:26:59,669 --> 00:26:57,520

from the museum fascinating

720

00:27:01,350 --> 00:26:59,679

now we've uh entered the what is this

721

00:27:03,909 --> 00:27:01,360

the sort of the meeting area the working

722

00:27:05,430 --> 00:27:03,919

area working project yeah we've got some

723

00:27:08,230 --> 00:27:05,440

uh gentlemen there's some scientists

724

00:27:10,149 --> 00:27:08,240

busily looking at their um models and

725

00:27:11,590 --> 00:27:10,159

paper and drawings and stuff and steve

726
00:27:14,390 --> 00:27:11,600
you're just showing me this folder here

727
00:27:16,630 --> 00:27:14,400
it's full of um yeah amazing

728
00:27:18,789 --> 00:27:16,640
number of technical drawings over this

729
00:27:21,029 --> 00:27:18,799
telescope every part of the telescope is

730
00:27:23,190 --> 00:27:21,039
about 600 has been uniquely identified

731
00:27:25,110 --> 00:27:23,200
and given a number otherwise we're going

732
00:27:28,310 --> 00:27:25,120
saying with long descriptions in words

733
00:27:29,909 --> 00:27:28,320
so this is item number 216.216.

734
00:27:31,669 --> 00:27:29,919
and what is that this is it's like a

735
00:27:33,590 --> 00:27:31,679
short fat um

736
00:27:36,149 --> 00:27:33,600
metal boss and the

737
00:27:39,029 --> 00:27:36,159
end of the telescope axis is pivoted in

738
00:27:41,110 --> 00:27:39,039

this boss it is attached inside a yeah a

739

00:27:43,110 --> 00:27:41,120

large heavy part called the cube and the

740

00:27:45,590 --> 00:27:43,120

telescope effectively pivots in this

741

00:27:47,990 --> 00:27:45,600

hole here on the boss right it's a it's

742

00:27:49,830 --> 00:27:48,000

a very heavy metal part and we've drawn

743

00:27:51,590 --> 00:27:49,840

it here we have a technical drawing here

744

00:27:53,110 --> 00:27:51,600

it's beautiful with completely accurate

745

00:27:54,710 --> 00:27:53,120

measurements and it's such that i mean

746

00:27:56,710 --> 00:27:54,720

the pot already exists but if it didn't

747

00:27:59,430 --> 00:27:56,720

exist it could be recreated we can

748

00:28:00,470 --> 00:27:59,440

recreate it from that drawing alone yes

749

00:28:02,149 --> 00:28:00,480

and the telescope's already been

750

00:28:03,669 --> 00:28:02,159

destroyed once and the drawings were

751
00:28:05,990 --> 00:28:03,679
destroyed in another bushfire the

752
00:28:07,350 --> 00:28:06,000
original drawing so you have to recreate

753
00:28:09,909 --> 00:28:07,360
all those

754
00:28:11,990 --> 00:28:09,919
so in theory someone someone could be

755
00:28:14,149 --> 00:28:12,000
given all these and said and said build

756
00:28:15,750 --> 00:28:14,159
the telescope oh yeah and many of these

757
00:28:17,190 --> 00:28:15,760
um

758
00:28:19,269 --> 00:28:17,200
some of these parts actually don't exist

759
00:28:21,110 --> 00:28:19,279
for example um

760
00:28:22,149 --> 00:28:21,120
so uh

761
00:28:24,149 --> 00:28:22,159
we've

762
00:28:27,269 --> 00:28:24,159
recovered them from photographs and uh

763
00:28:29,110 --> 00:28:27,279

yeah and from deductions um

764

00:28:31,750 --> 00:28:29,120

all the parts are so badly damaged that

765

00:28:33,190 --> 00:28:31,760

they can't really be

766

00:28:35,269 --> 00:28:33,200

remade

767

00:28:37,430 --> 00:28:35,279

now to give our listeners an idea of the

768

00:28:39,590 --> 00:28:37,440

scale and i'm i'm just looking over your

769

00:28:41,669 --> 00:28:39,600

shoulder now to a beautiful picture of

770

00:28:43,909 --> 00:28:41,679

how the telescope once looked what what

771

00:28:47,029 --> 00:28:43,919

else are we looking at here um this is a

772

00:28:48,389 --> 00:28:47,039

picture taken in april 1880 of the

773

00:28:49,909 --> 00:28:48,399

original telescope in its original

774

00:28:51,510 --> 00:28:49,919

working position in the botanical

775

00:28:53,510 --> 00:28:51,520

gardens and that's part of the roll-off

776

00:28:55,430 --> 00:28:53,520

roof of the shed there yeah there's a

777

00:28:56,549 --> 00:28:55,440

astronomer standing there well there's a

778

00:28:58,789 --> 00:28:56,559

giving me a bit of a scale there's

779

00:29:00,549 --> 00:28:58,799

somebody standing next to it now so

780

00:29:02,389 --> 00:29:00,559

from from the end of the barrel here to

781

00:29:05,510 --> 00:29:02,399

the to this system it's about 30 feet

782

00:29:06,950 --> 00:29:05,520

long and maybe 30 feet up right uh i

783

00:29:08,789 --> 00:29:06,960

didn't think it imperial units when i'm

784

00:29:10,549 --> 00:29:08,799

on there that's okay he was made an

785

00:29:12,070 --> 00:29:10,559

imperial i think our listeners faults

786

00:29:13,510 --> 00:29:12,080

all inches

787

00:29:14,710 --> 00:29:13,520

should be able to grasp an idea though

788

00:29:15,750 --> 00:29:14,720

it's a beautiful looking telescope

789

00:29:17,909 --> 00:29:15,760

because it's got this interesting

790

00:29:19,190 --> 00:29:17,919

crisscross of lattice sort of yeah on

791

00:29:20,789 --> 00:29:19,200

the second part of that that was a

792

00:29:22,470 --> 00:29:20,799

pioneering design to save weight it

793

00:29:24,389 --> 00:29:22,480

hadn't really been done before yeah this

794

00:29:25,350 --> 00:29:24,399

is a boilerplate tube it's very very

795

00:29:27,029 --> 00:29:25,360

heavy

796

00:29:28,630 --> 00:29:27,039

if you go all the way along with human

797

00:29:31,029 --> 00:29:28,640

boilerplate it'll weigh you know five

798

00:29:32,950 --> 00:29:31,039

tons this is a better drawing here and

799

00:29:35,510 --> 00:29:32,960

most of the telescope is in fact is this

800

00:29:37,110 --> 00:29:35,520

very lightweight lattice yeah with uh a

801
00:29:39,269 --> 00:29:37,120
mirror at this end it's right here to

802
00:29:40,870 --> 00:29:39,279
support the mirror at the top and the

803
00:29:42,630 --> 00:29:40,880
the light comes in down the tube hits

804
00:29:44,070 --> 00:29:42,640
the mirror at the back and it's

805
00:29:45,990 --> 00:29:44,080
reflected back up at the top of the tube

806
00:29:47,669 --> 00:29:46,000
it's just smaller at the front and then

807
00:29:48,870 --> 00:29:47,679
how they bounce it back down to the

808
00:29:50,149 --> 00:29:48,880
element of the tube where there's an

809
00:29:51,350 --> 00:29:50,159
eyepiece and there's

810
00:29:52,870 --> 00:29:51,360
the five meters

811
00:29:58,470 --> 00:29:52,880
oh yes there's a little piece there i

812
00:30:02,149 --> 00:29:59,909
has a big hole in the middle is it

813
00:30:04,149 --> 00:30:02,159

inverted for looking through um yes it

814

00:30:05,669 --> 00:30:04,159

is but um you get used to that you get

815

00:30:07,590 --> 00:30:05,679

used to that doesn't really matter and

816

00:30:09,750 --> 00:30:07,600

you see it's all driven by hand crank

817

00:30:12,310 --> 00:30:09,760

wheels and great big gear wheels oh yeah

818

00:30:13,909 --> 00:30:12,320

it's all 1868 technology cast iron

819

00:30:15,990 --> 00:30:13,919

pieces it's good that there's this

820

00:30:17,830 --> 00:30:16,000

photograph exists at all isn't it yeah

821

00:30:19,510 --> 00:30:17,840

well we're desperate and we poured over

822

00:30:21,510 --> 00:30:19,520

this photograph for hours and hours and

823

00:30:23,350 --> 00:30:21,520

hours and

824

00:30:25,909 --> 00:30:23,360

steve over there has identified many

825

00:30:27,909 --> 00:30:25,919

missing parts like this athlete is here

826

00:30:30,310 --> 00:30:27,919

it's entirely missing

827

00:30:31,669 --> 00:30:30,320

so when we say the the

828

00:30:33,190 --> 00:30:31,679

construction of the reconstruction and

829

00:30:35,510 --> 00:30:33,200

telescope we'll not just talk about this

830

00:30:37,990 --> 00:30:35,520

bit but all this bit all these these

831

00:30:40,149 --> 00:30:38,000

counterweights and these gears

832

00:30:42,710 --> 00:30:40,159

stand in the piers mountain on oh here

833

00:30:43,590 --> 00:30:42,720

we go the the the structure surrounding

834

00:30:45,430 --> 00:30:43,600

it

835

00:30:47,110 --> 00:30:45,440

we've got a chains coming down for other

836

00:30:52,789 --> 00:30:47,120

gears and pulleys and lights and things

837

00:30:55,990 --> 00:30:54,230

there's a few missing parts but luckily

838

00:30:57,990 --> 00:30:56,000

they're all the small parts that can

839

00:31:00,470 --> 00:30:58,000

easily be remade or

840

00:31:01,990 --> 00:31:00,480

deduced and and substituted but the the

841

00:31:03,909 --> 00:31:02,000

major parts all with us we've got like

842

00:31:06,070 --> 00:31:03,919

90 percent of

843

00:31:08,549 --> 00:31:06,080

the parts in existence uh here in the

844

00:31:10,149 --> 00:31:08,559

museum

845

00:31:12,870 --> 00:31:10,159

and uh we're making our way through the

846

00:31:14,950 --> 00:31:12,880

storeroom once again this giant room and

847

00:31:16,230 --> 00:31:14,960

the most extraordinary things up there

848

00:31:17,669 --> 00:31:16,240

in the ceiling it's like an

849

00:31:20,070 --> 00:31:17,679

old-fashioned

850

00:31:22,710 --> 00:31:20,080

flying machine made out of silk

851
00:31:24,789 --> 00:31:22,720
i think and cloth or whatever it is does

852
00:31:27,029 --> 00:31:24,799
it fly does it fly do you think it would

853
00:31:29,430 --> 00:31:27,039
fly with the phone once yeah this is all

854
00:31:31,510 --> 00:31:29,440
stuff the museum possesses on behalf of

855
00:31:33,350 --> 00:31:31,520
the people of victoria it's fascinating

856
00:31:34,789 --> 00:31:33,360
old fighter can't exhibit right now for

857
00:31:36,789 --> 00:31:34,799
some reason

858
00:31:39,029 --> 00:31:36,799
that's a genuine fighter isn't it yeah

859
00:31:42,389 --> 00:31:39,039
fighter wow the wind's just taking off

860
00:31:44,830 --> 00:31:42,399
um oh there's the wings over there

861
00:31:47,110 --> 00:31:44,840
yeah okay let's go through

862
00:31:49,190 --> 00:31:47,120
this slamming door

863
00:31:51,110 --> 00:31:49,200

through here

864

00:31:53,590 --> 00:31:51,120

oh now that smells like a

865

00:31:54,789 --> 00:31:53,600

workshop this is the loading

866

00:31:56,710 --> 00:31:54,799

work going on here these are all

867

00:31:58,310 --> 00:31:56,720

volunteers of the project

868

00:31:59,990 --> 00:31:58,320

so this is

869

00:32:01,990 --> 00:32:00,000

this is it this is the telescope around

870

00:32:03,110 --> 00:32:02,000

us um many of the bits here any of the

871

00:32:04,710 --> 00:32:03,120

bits

872

00:32:06,149 --> 00:32:04,720

wow

873

00:32:07,430 --> 00:32:06,159

all of this clutter here yeah this

874

00:32:09,590 --> 00:32:07,440

telescope

875

00:32:11,669 --> 00:32:09,600

and this row along here at the front the

876

00:32:14,310 --> 00:32:11,679

parts all the parts of this telescope

877

00:32:15,750 --> 00:32:14,320

are all laid out here i'm gonna hold

878

00:32:17,750 --> 00:32:15,760

this corner here

879

00:32:19,350 --> 00:32:17,760

all the stuff is telescope oh the there

880

00:32:21,190 --> 00:32:19,360

it is there's the lattice over there i

881

00:32:22,630 --> 00:32:21,200

was describing earlier the actual bit

882

00:32:24,230 --> 00:32:22,640

the actual lattice tune there's the

883

00:32:25,350 --> 00:32:24,240

quadro there these these things all have

884

00:32:30,310 --> 00:32:25,360

names

885

00:32:35,190 --> 00:32:32,710

and there's even a photograph over here

886

00:32:37,190 --> 00:32:35,200

on the leaning against the wall of when

887

00:32:39,029 --> 00:32:37,200

it was being constructed originally yeah

888

00:32:40,350 --> 00:32:39,039

with cranes and all sorts of people

889

00:32:43,669 --> 00:32:40,360

irish

890

00:32:44,950 --> 00:32:43,679

navies um this is a priceless photograph

891

00:32:46,549 --> 00:32:44,960

it must be for you because you can see

892

00:32:48,389 --> 00:32:46,559

the underside here a bit more

893

00:32:49,990 --> 00:32:48,399

you can see the mechanisms in there

894

00:32:51,990 --> 00:32:50,000

let's make something here which is which

895

00:32:54,149 --> 00:32:52,000

is lost we have to replace that i know

896

00:32:56,470 --> 00:32:54,159

sorry we have about half of it in but

897

00:32:57,590 --> 00:32:56,480

it's broken and i've got a giant blow up

898

00:32:59,269 --> 00:32:57,600

here of the picture i was looking at

899

00:33:01,909 --> 00:32:59,279

before the classic picture of the

900

00:33:03,990 --> 00:33:01,919

telescope in operation oh i see this is

901

00:33:05,830 --> 00:33:04,000

actually a window isn't it

902

00:33:07,750 --> 00:33:05,840

showing the roller mechanism that uh

903

00:33:09,750 --> 00:33:07,760

takes the weight of the telescope which

904

00:33:11,430 --> 00:33:09,760

is this thing here right there it is

905

00:33:13,590 --> 00:33:11,440

actually on the floor before us this was

906

00:33:15,269 --> 00:33:13,600

a pioneering invention in its day hasn't

907

00:33:16,389 --> 00:33:15,279

really been copied since but i mean how

908

00:33:17,830 --> 00:33:16,399

do you

909

00:33:20,230 --> 00:33:17,840

the whole telescope weighs about eight

910

00:33:22,710 --> 00:33:20,240

tons when it's assembled so

911

00:33:24,789 --> 00:33:22,720

how do you pivot that on a bearing so

912

00:33:26,470 --> 00:33:24,799

you can slosh it around and point it at

913

00:33:28,950 --> 00:33:26,480

any point of the sky they were quite

914

00:33:30,070 --> 00:33:28,960

clever back then weren't they

915

00:33:31,350 --> 00:33:30,080

yeah

916

00:33:33,350 --> 00:33:31,360

it's a

917

00:33:35,909 --> 00:33:33,360

pioneering day it was 50 years before

918

00:33:37,430 --> 00:33:35,919

the titanic

919

00:33:40,870 --> 00:33:37,440

20 years after the great eastern was

920

00:33:44,710 --> 00:33:43,190

yeah and that is next to it

921

00:33:46,710 --> 00:33:44,720

that's the boilerplate right that part

922

00:33:48,470 --> 00:33:46,720

of the tube well i must say they look

923

00:33:50,310 --> 00:33:48,480

they're wonderful things but they are

924

00:33:52,389 --> 00:33:50,320

looking their age aren't they yeah yeah

925

00:33:54,070 --> 00:33:52,399

well a bit of a bit of a

926

00:33:55,430 --> 00:33:54,080

scrubbing with a wi-fi

927

00:33:57,509 --> 00:33:55,440

a bit of a lick with a wet cloth and

928

00:33:59,269 --> 00:33:57,519

look a lot better now the paint you see

929

00:34:01,190 --> 00:33:59,279

the lattice stream half of it's missing

930

00:34:03,190 --> 00:34:01,200

the bit we have here is much shorter oh

931

00:34:05,350 --> 00:34:03,200

yeah it was supposed to have where is it

932

00:34:06,710 --> 00:34:05,360

well we don't know it's destroyed the

933

00:34:08,629 --> 00:34:06,720

other half so we're going to recreate

934

00:34:10,310 --> 00:34:08,639

we've got to recreate lift somewhere and

935

00:34:11,990 --> 00:34:10,320

i don't know it's gone anyway so we have

936

00:34:14,069 --> 00:34:12,000

to recreate half of that as two but

937

00:34:15,669 --> 00:34:14,079

that's a fairly trivial job which is all

938

00:34:17,750 --> 00:34:15,679

made of metal strips yeah and you just

939

00:34:19,430 --> 00:34:17,760

yes measure up they are tapered but we

940

00:34:21,430 --> 00:34:19,440

measure up we have the photographs and

941

00:34:22,710 --> 00:34:21,440

we just set to and have them all in

942

00:34:25,750 --> 00:34:22,720

place and for

943

00:34:28,069 --> 00:34:25,760

sort of like um 10 grand in cost we can

944

00:34:30,790 --> 00:34:28,079

replace the part of it well i wish you

945

00:34:32,790 --> 00:34:30,800

could see this uh yeah the secret store

946

00:34:34,470 --> 00:34:32,800

room uh listeners

947

00:34:36,790 --> 00:34:34,480

duck around under here

948

00:34:38,629 --> 00:34:36,800

being careful where our step

949

00:34:41,109 --> 00:34:38,639

more telescope parts how many parts did

950

00:34:42,710 --> 00:34:41,119

you say are there anything about 600 but

951

00:34:44,069 --> 00:34:42,720

we've got a slight problem

952

00:34:47,030 --> 00:34:44,079

these parts here are clearly not from

953

00:34:48,629 --> 00:34:47,040

1868 there from about 1950 oh yes and

954

00:34:50,230 --> 00:34:48,639

they were added by engineers at mount

955

00:34:53,030 --> 00:34:50,240

stromlo and the telescope was that mount

956

00:34:54,710 --> 00:34:53,040

stromlo uh it was modified heavily

957

00:34:56,230 --> 00:34:54,720

really and in restoring it we ought to

958

00:34:59,430 --> 00:34:56,240

get rid of the modifications and bring

959

00:35:01,990 --> 00:34:59,440

it back to its original yes a68 form but

960

00:35:03,589 --> 00:35:02,000

but but however having hidden motors and

961

00:35:05,670 --> 00:35:03,599

hidden bearings

962

00:35:07,589 --> 00:35:05,680

which will make it safe in modern terms

963

00:35:09,510 --> 00:35:07,599

for engineering and make it computer

964

00:35:11,030 --> 00:35:09,520

controllable well that's fair enough

965

00:35:12,150 --> 00:35:11,040

yeah so we have to get rid of that motor

966

00:35:13,750 --> 00:35:12,160

but there has to be another motor that's

967

00:35:15,910 --> 00:35:13,760

replacing it somewhere

968

00:35:18,790 --> 00:35:15,920

these are the bearings here yes just on

969

00:35:20,310 --> 00:35:18,800

a pallet on the other side of us yeah

970

00:35:22,390 --> 00:35:20,320

the the bearing on the top there has an

971

00:35:24,390 --> 00:35:22,400

interesting story it's been ruined by

972

00:35:26,069 --> 00:35:24,400

being in the bush fire yeah and we wrote

973

00:35:27,990 --> 00:35:26,079

to the manufacturers and said do you

974

00:35:29,670 --> 00:35:28,000

still make a bearing like this it's 24

975

00:35:31,270 --> 00:35:29,680

inches across and one and three inches

976

00:35:32,550 --> 00:35:31,280

thick or something in inches

977

00:35:35,430 --> 00:35:32,560

they said well we used to make that we

978

00:35:37,589 --> 00:35:35,440

don't anymore and we've got one left

979

00:35:39,829 --> 00:35:37,599

and we'll keep that for you but you know

980

00:35:41,589 --> 00:35:39,839

we've only got one left and you better

981

00:35:43,910 --> 00:35:41,599

buy it soon or we'll send it to somebody

982

00:35:46,630 --> 00:35:43,920

else so in a big flap to get our hands

983

00:35:48,630 --> 00:35:46,640

on this one remaining bearing to

984

00:35:50,630 --> 00:35:48,640

to do without it means redesigning the

985

00:35:53,030 --> 00:35:50,640

huge area of the telescope

986

00:35:56,069 --> 00:35:53,040

well this is uh

987

00:35:57,349 --> 00:35:56,079

i mean i'm sure a lot of our listeners

988

00:35:59,190 --> 00:35:57,359

just

989

00:36:01,109 --> 00:35:59,200

you can't imagine what it's like here

990

00:36:03,589 --> 00:36:01,119

i'm sure a lot of our listeners would

991

00:36:06,150 --> 00:36:03,599

love to be here surrounded by

992

00:36:08,630 --> 00:36:06,160

bits of wonderful victorian

993

00:36:11,589 --> 00:36:08,640

engineering right left and center all

994

00:36:12,630 --> 00:36:11,599

disassembled all on pallets on the floor

995

00:36:15,190 --> 00:36:12,640

numbered

996

00:36:16,950 --> 00:36:15,200

and slowly but surely

997

00:36:19,030 --> 00:36:16,960

being restored

998

00:36:21,510 --> 00:36:19,040

and we look forward to the day when this

999

00:36:23,510 --> 00:36:21,520

beautiful telescope will one day be a

1000

00:36:25,109 --> 00:36:23,520

pride of place yeah thank you very much

1001

00:36:26,630 --> 00:36:25,119

and i'm glad to show this to you

1002

00:36:28,150 --> 00:36:26,640

richards uh

1003

00:36:29,750 --> 00:36:28,160

budget will take some years to finish

1004

00:36:32,310 --> 00:36:29,760

but in the end the telescope should be

1005

00:36:34,790 --> 00:36:32,320

restored to heritage standards and be

1006

00:36:37,190 --> 00:36:34,800

usable by the public and it'll be

1007

00:36:38,630 --> 00:36:37,200

remotely used all by schools and so on

1008

00:36:40,950 --> 00:36:38,640

and uh other people in the northern

1009

00:36:43,270 --> 00:36:40,960

hemisphere and it'll be a we're hoping

1010

00:36:45,750 --> 00:36:43,280

we're hoping it'll again become a major

1011

00:36:53,750 --> 00:36:45,760

tourist attraction of melbourne it was

1012

00:37:00,550 --> 00:36:58,230

to find out more visit [http colon slash](http://)

1013

00:37:01,310 --> 00:37:00,560

great melbourne telescope

1014

00:37:15,589 --> 00:37:01,320

dot

1015

00:37:20,870 --> 00:37:18,550

hi everyone this is andy kaiser

1016

00:37:23,030 --> 00:37:20,880

richard saunders was nice enough to let

1017

00:37:25,510 --> 00:37:23,040

me interrupt the skeptic zone to tell

1018

00:37:28,870 --> 00:37:25,520

you about another gust of wind in the

1019

00:37:31,589 --> 00:37:28,880

maelstrom of worldwide critical thought

1020

00:37:33,829 --> 00:37:31,599

digitalbits skeptic is a podcast

1021

00:37:36,630 --> 00:37:33,839

dedicated to skepticism and critical

1022

00:37:39,510 --> 00:37:36,640

thinking in our world of new age

1023

00:37:42,310 --> 00:37:39,520

religion and credulous pop culture

1024

00:37:44,950 --> 00:37:42,320

i myself write a few articles but most

1025

00:37:46,710 --> 00:37:44,960

are written by everyone else and they're

1026

00:37:49,109 --> 00:37:46,720

paid for that effort

1027

00:37:51,190 --> 00:37:49,119

if you're an expert in your field if you

1028

00:37:53,270 --> 00:37:51,200

need a forum or if you want to make an

1029

00:37:56,150 --> 00:37:53,280

impact on not just the skeptical

1030

00:37:57,829 --> 00:37:56,160

community but the world at large i'd

1031

00:37:59,990 --> 00:37:57,839

like to talk to you

1032

00:38:02,710 --> 00:38:00,000

or if you just like to listen to a

1033

00:38:06,230 --> 00:38:02,720

quality skeptical minded podcast that's

1034

00:38:19,589 --> 00:38:06,240

great too find digitalbit skeptic at

1035

00:38:24,069 --> 00:38:22,550

every year on or around new year's

1036

00:38:25,670 --> 00:38:24,079

day in fact or new year's eve they're

1037

00:38:27,270 --> 00:38:25,680

about to get the fortune tellers or the

1038

00:38:28,550 --> 00:38:27,280

clairvoyants or the psychics or whatever

1039

00:38:30,790 --> 00:38:28,560

they call themselves who come out with

1040

00:38:32,470 --> 00:38:30,800

their list of predictions now my

1041

00:38:35,109 --> 00:38:32,480

question is if you believe in all that

1042

00:38:37,030 --> 00:38:35,119

stuff and these people are not simply

1043

00:38:39,030 --> 00:38:37,040

making massive generalizations year

1044

00:38:40,790 --> 00:38:39,040

after year after year then why is it

1045

00:38:42,310 --> 00:38:40,800

that none of them to my knowledge

1046

00:38:44,230 --> 00:38:42,320

predicted that queensland would be

1047

00:38:46,470 --> 00:38:44,240

devastated by flood waters in the first

1048

00:38:47,910 --> 00:38:46,480

two weeks of the new year

1049

00:38:49,670 --> 00:38:47,920

why is it that they only come out and

1050

00:38:51,750 --> 00:38:49,680

beat their chess when they supposedly

1051

00:38:53,750 --> 00:38:51,760

get a prediction right i mean how could

1052

00:38:55,990 --> 00:38:53,760

all of these people who can supposedly

1053

00:38:57,750 --> 00:38:56,000

see things and predict things how could

1054

00:38:59,190 --> 00:38:57,760

they have not seen the wall of water and

1055

00:39:00,630 --> 00:38:59,200

devastation that was about to swamp and

1056

00:39:01,990 --> 00:39:00,640

all the neighbors up in queensland

1057

00:39:04,550 --> 00:39:02,000

richard saunders from the australian

1058

00:39:06,310 --> 00:39:04,560

skeptics joins us g'day richard good day

1059

00:39:08,550 --> 00:39:06,320

glenn happy new year and to you mate all

1060

00:39:10,710 --> 00:39:08,560

the best to you am i being too harsh

1061

00:39:12,950 --> 00:39:10,720

yeah no i think you're being generous i

1062

00:39:15,030 --> 00:39:12,960

think the amount of air time that people

1063

00:39:17,829 --> 00:39:15,040

who call themselves psychics or fortune

1064

00:39:21,109 --> 00:39:17,839

tellers have received over the years on

1065

00:39:23,990 --> 00:39:21,119

australian television and radio um wow

1066

00:39:25,670 --> 00:39:24,000

if i could have a a hundredth of that

1067

00:39:28,470 --> 00:39:25,680

time i would be doing well for the rest

1068

00:39:30,230 --> 00:39:28,480

of my life i think so you know generally

1069

00:39:32,069 --> 00:39:30,240

speaking and we've discussed this before

1070

00:39:34,470 --> 00:39:32,079

when you've joined me here in the studio

1071

00:39:36,150 --> 00:39:34,480

generally speaking it's it's very much a

1072

00:39:38,069 --> 00:39:36,160

general prediction that they tend to do

1073

00:39:39,510 --> 00:39:38,079

year in and year out yeah well the tree

1074

00:39:41,349 --> 00:39:39,520

here's the trick

1075

00:39:43,349 --> 00:39:41,359

i'll tell all your listeners the huge

1076

00:39:46,310 --> 00:39:43,359

secret behind all this this game is you

1077

00:39:47,670 --> 00:39:46,320

make lots of predictions some specific

1078

00:39:50,470 --> 00:39:47,680

most general

1079

00:39:52,710 --> 00:39:50,480

year after year after year some of those

1080

00:39:54,470 --> 00:39:52,720

are bound to come true

1081

00:39:56,150 --> 00:39:54,480

you can't help yourself some predictions

1082

00:39:58,230 --> 00:39:56,160

you make if you make enough of them will

1083

00:40:00,630 --> 00:39:58,240

come true and those are the ones you

1084

00:40:02,950 --> 00:40:00,640

dine out on for years and say look how

1085

00:40:04,150 --> 00:40:02,960

great the powerful predictor i am now we

1086

00:40:05,750 --> 00:40:04,160

did a

1087

00:40:08,310 --> 00:40:05,760

look at the predictions that they made

1088

00:40:10,630 --> 00:40:08,320

for last year we tracked them carefully

1089

00:40:13,190 --> 00:40:10,640

throughout the year and in the official

1090

00:40:16,310 --> 00:40:13,200

australian psychics directory magazine

1091

00:40:17,829 --> 00:40:16,320

predictions for 2010 they scored and

1092

00:40:19,750 --> 00:40:17,839

we're being generous here they scored a

1093

00:40:22,069 --> 00:40:19,760

grand total of

1094

00:40:25,510 --> 00:40:22,079

seven percent right in other words they

1095

00:40:27,030 --> 00:40:25,520

were wrong 93 of the time but you don't

1096

00:40:28,630 --> 00:40:27,040

hear about those you'll hear about the

1097

00:40:31,990 --> 00:40:28,640

very few ones they

1098

00:40:34,150 --> 00:40:32,000

basically stumbled and got right yeah so

1099

00:40:36,950 --> 00:40:34,160

you know to come back to the devastation

1100

00:40:39,829 --> 00:40:36,960

in queensland for something to happen so

1101

00:40:41,030 --> 00:40:39,839

early in the new year literally just

1102

00:40:42,870 --> 00:40:41,040

around the corner after they've gazed

1103

00:40:44,390 --> 00:40:42,880

into their crystal crystal balls or uh

1104

00:40:45,829 --> 00:40:44,400

throwing the tarot cards on the table or

1105

00:40:47,030 --> 00:40:45,839

however they do it you would have

1106

00:40:48,550 --> 00:40:47,040

thought that somewhere on the line

1107

00:40:49,750 --> 00:40:48,560

somebody would have uh you know if

1108

00:40:51,910 --> 00:40:49,760

they're half decent they would have said

1109

00:40:53,750 --> 00:40:51,920

you know there's this massive wall of

1110

00:40:55,109 --> 00:40:53,760

water that's going to swamp queensland

1111

00:40:56,710 --> 00:40:55,119

and there's going to be devastation

1112

00:40:59,190 --> 00:40:56,720

there's going to be property loss lives

1113

00:41:00,630 --> 00:40:59,200

lost but nothing from anybody well it

1114

00:41:02,790 --> 00:41:00,640

would have been handy if they were that

1115

00:41:04,950 --> 00:41:02,800

specific but somebody

1116

00:41:07,829 --> 00:41:04,960

for this year did predict

1117

00:41:10,230 --> 00:41:07,839

and i quote major flooding will occur

1118

00:41:12,870 --> 00:41:10,240

for the eastern seaboard seaboard of

1119

00:41:14,950 --> 00:41:12,880

australia now you might think oh

1120

00:41:17,190 --> 00:41:14,960

wow they got it they they predicted the

1121

00:41:19,270 --> 00:41:17,200

floods in queensland no no no all they

1122

00:41:21,670 --> 00:41:19,280

said was major flooding will occur for

1123

00:41:23,270 --> 00:41:21,680

the eastern seaboard of australia i

1124

00:41:25,510 --> 00:41:23,280

looked up the uh

1125

00:41:26,790 --> 00:41:25,520

bureau of meteorology and they're there

1126

00:41:29,109 --> 00:41:26,800

they've got a great website and you can

1127

00:41:31,030 --> 00:41:29,119

look at all the floods major flooding

1128

00:41:34,069 --> 00:41:31,040

occurs on the eastern seaboard of

1129

00:41:36,069 --> 00:41:34,079

australia if if not every year certainly

1130

00:41:38,550 --> 00:41:36,079

nine years out of ten so in that

1131

00:41:41,589 --> 00:41:38,560

situation it's like so we would say well

1132

00:41:43,030 --> 00:41:41,599

so what you didn't you didn't say and by

1133

00:41:44,870 --> 00:41:43,040

the way there will be a wall of water

1134

00:41:46,790 --> 00:41:44,880

coming through queensland and brisbane

1135

00:41:48,230 --> 00:41:46,800

will be devastated in the premier now

1136

00:41:50,150 --> 00:41:48,240

that would have been something we could

1137

00:41:52,069 --> 00:41:50,160

latch on to but a vague prediction like

1138

00:41:54,150 --> 00:41:52,079

that which is bound to happen almost

1139

00:41:56,550 --> 00:41:54,160

every year we can just not even take

1140

00:41:58,390 --> 00:41:56,560

seriously yeah otherwise uh i guess we'd

1141

00:42:00,470 --> 00:41:58,400

be turning to these people for some some

1142

00:42:02,390 --> 00:42:00,480

more factual heads up in terms of you

1143

00:42:03,990 --> 00:42:02,400

know what lies around the corner it

1144

00:42:05,910 --> 00:42:04,000

would be nice to know and i know a

1145

00:42:08,309 --> 00:42:05,920

certain ex-prime minister who would have

1146

00:42:09,750 --> 00:42:08,319

just really appreciated knowing that he

1147

00:42:11,430 --> 00:42:09,760

would have been turfed out uh from

1148

00:42:13,030 --> 00:42:11,440

office last year that's a fair point too

1149

00:42:14,470 --> 00:42:13,040

yep he would have been the first in to

1150

00:42:16,630 --> 00:42:14,480

get his palm read or

1151

00:42:18,470 --> 00:42:16,640

read or his

1152

00:42:20,870 --> 00:42:18,480

uh richard taunders from the australian

1153

00:42:22,230 --> 00:42:20,880

skeptics dot com dot ayu thank you for

1154

00:42:23,750 --> 00:42:22,240

your time as always we'll talk some more

1155

00:42:25,270 --> 00:42:23,760

down the track look forward to it glenn

1156

00:42:27,910 --> 00:42:25,280

richard taunt is there joining us with

1157

00:42:30,390 --> 00:42:27,920

uh with his take on uh why it is that

1158

00:42:31,990 --> 00:42:30,400

the the psychics who like to look at the

1159

00:42:33,430 --> 00:42:32,000

year in

1160

00:42:35,589 --> 00:42:33,440

in detail and tell us what's about to

1161

00:42:37,030 --> 00:42:35,599

happen weren't able to predict the fact

1162

00:42:43,109 --> 00:42:37,040

that there was a flood about to

1163

00:42:53,990 --> 00:42:46,150

join us now for drinking skeptically in

1164

00:42:58,309 --> 00:42:56,550

and it's a big welcome once again at our

1165

00:43:00,550 --> 00:42:58,319

favorite club down the end of the street

1166

00:43:02,150 --> 00:43:00,560

and just around the corner a bit and

1167

00:43:04,069 --> 00:43:02,160

i'll stop this maynard's telling me to

1168

00:43:05,190 --> 00:43:04,079

stop it's welcome to the think tank and

1169

00:43:06,309 --> 00:43:05,200

joining me

1170

00:43:09,190 --> 00:43:06,319

as always

1171

00:43:12,309 --> 00:43:09,200

before we get to maynard oh yes is dr he

1172

00:43:15,430 --> 00:43:12,319

hi dr h hi richard how are you today uh

1173

00:43:17,589 --> 00:43:15,440

i'm well i'm on my fourth iphone today

1174

00:43:18,870 --> 00:43:17,599

yes you had a bit of a

1175

00:43:20,790 --> 00:43:18,880

um

1176

00:43:22,870 --> 00:43:20,800

what would you call it a fail an epic

1177

00:43:24,630 --> 00:43:22,880

fail an epic fail because i recorded an

1178

00:43:27,270 --> 00:43:24,640

interview you did

1179

00:43:29,349 --> 00:43:27,280

on radio this morning on my iphone and a

1180

00:43:30,710 --> 00:43:29,359

little app and it failed and i lost it i

1181

00:43:32,470 --> 00:43:30,720

know which is disappointing because i

1182

00:43:33,990 --> 00:43:32,480

wanted to actually hear it um i just

1183

00:43:35,910 --> 00:43:34,000

only had about three or four minutes on

1184

00:43:37,510 --> 00:43:35,920

a community station it was good just

1185

00:43:39,589 --> 00:43:37,520

about what skeptics believe and what we

1186

00:43:41,510 --> 00:43:39,599

do and why we do it and yeah so it was

1187

00:43:43,030 --> 00:43:41,520

good but we don't have the oil

1188

00:43:45,109 --> 00:43:43,040

we'll try it we'll try maybe we can

1189

00:43:47,670 --> 00:43:45,119

resurrect the next week and speaking

1190

00:43:49,190 --> 00:43:47,680

about resurrections it's maynard it's

1191

00:43:51,510 --> 00:43:49,200

great to be back in the major club here

1192

00:43:53,829 --> 00:43:51,520

again this is an exciting venue isn't it

1193

00:43:56,069 --> 00:43:53,839

it is it really is very exciting it's

1194

00:43:58,309 --> 00:43:56,079

happening tonight it is and we've got an

1195

00:44:00,230 --> 00:43:58,319

international guest we have joining us

1196

00:44:02,390 --> 00:44:00,240

all the way from the granite state it's

1197

00:44:04,390 --> 00:44:02,400

our uh steak

1198

00:44:06,870 --> 00:44:04,400

i'm thinking about steaks from the

1199

00:44:08,790 --> 00:44:06,880

granite state it's our good friend and

1200

00:44:11,990 --> 00:44:08,800

north american office manager for the

1201

00:44:15,030 --> 00:44:12,000

skeptic's own travis roy hi travis

1202

00:44:17,349 --> 00:44:15,040

hey richard hey guys glad to be here

1203

00:44:19,109 --> 00:44:17,359

virtually he's virtually here it's good

1204

00:44:20,630 --> 00:44:19,119

to have you in the think tank travis

1205

00:44:23,589 --> 00:44:20,640

you've been on think tank before when it

1206

00:44:25,829 --> 00:44:23,599

was in las vegas i think

1207

00:44:28,550 --> 00:44:25,839

yes yes it was that was a lot of fun and

1208

00:44:30,150 --> 00:44:28,560

i hope this is equally enjoyable so do

1209

00:44:33,190 --> 00:44:30,160

we

1210

00:44:34,870 --> 00:44:33,200

and it's james sheepy hi james g'day

1211

00:44:36,309 --> 00:44:34,880

everyone well of course the bastard

1212

00:44:38,309 --> 00:44:36,319

sheep as he's known on twitter and

1213

00:44:39,510 --> 00:44:38,319

around the world and on the internet

1214

00:44:41,349 --> 00:44:39,520

now

1215

00:44:42,950 --> 00:44:41,359

it's been a an interesting week in

1216

00:44:45,829 --> 00:44:42,960

skepticism it's always an interesting

1217

00:44:49,829 --> 00:44:45,839

week in skepticism i'd like to kick off

1218

00:44:52,550 --> 00:44:49,839

the 1023 is gathering uh momentum the

1219

00:44:53,750 --> 00:44:52,560

big homeopathy protest and campaign and

1220

00:44:55,750 --> 00:44:53,760

things like that coming up where people

1221

00:44:57,270 --> 00:44:55,760

are going to overdose early next month

1222

00:44:59,349 --> 00:44:57,280

and i noticed that the center for

1223

00:45:00,950 --> 00:44:59,359

inquiry or the committee for skeptical

1224

00:45:03,430 --> 00:45:00,960

inquiry

1225

00:45:07,510 --> 00:45:03,440

and as james pulls up the web page

1226

00:45:10,710 --> 00:45:07,520

i've released a huge statement about uh

1227

00:45:12,630 --> 00:45:10,720

railing against walmart

1228

00:45:14,470 --> 00:45:12,640

oh yes cersei the wall might have got

1229

00:45:17,030 --> 00:45:14,480

their own brand of homeopathic medicine

1230

00:45:19,109 --> 00:45:17,040

just like boots over in the uk does yeah

1231

00:45:21,030 --> 00:45:19,119

and so that's the main target of the

1232

00:45:22,470 --> 00:45:21,040

1023 campaign in america that's what

1233

00:45:24,630 --> 00:45:22,480

it's going to be

1234

00:45:27,190 --> 00:45:24,640

walmart that's fascinating

1235

00:45:29,910 --> 00:45:27,200

it's it's this this whole 1023 thing is

1236

00:45:33,190 --> 00:45:29,920

just um growing so much it's going to be

1237

00:45:34,550 --> 00:45:33,200

thousands of people this year you know

1238

00:45:36,470 --> 00:45:34,560

it's huge i mean one of the things

1239

00:45:38,230 --> 00:45:36,480

that's interesting though richard is um

1240

00:45:40,390 --> 00:45:38,240

in america people have been warned to be

1241

00:45:42,230 --> 00:45:40,400

very careful about which homeopathic

1242

00:45:43,190 --> 00:45:42,240

remedy they select for the overdose

1243

00:45:45,270 --> 00:45:43,200

because

1244

00:45:47,510 --> 00:45:45,280

some homeopathic remedies in the us

1245

00:45:49,510 --> 00:45:47,520

actually have active ingredients really

1246

00:45:50,870 --> 00:45:49,520

yes so

1247

00:45:53,109 --> 00:45:50,880

if you are going to be going to an

1248

00:45:54,710 --> 00:45:53,119

overdose in the states make sure you

1249

00:45:55,910 --> 00:45:54,720

check with your organizer as to what is

1250

00:45:58,630 --> 00:45:55,920

a safe

1251
00:46:00,470 --> 00:45:58,640
in other words nothing in it homeopathy

1252
00:46:02,630 --> 00:46:00,480
products because some of them are not

1253
00:46:04,710 --> 00:46:02,640
truly homeopathic wow or you could just

1254
00:46:06,950 --> 00:46:04,720
take a bag of candy

1255
00:46:08,710 --> 00:46:06,960
well that's not really the i mean it

1256
00:46:10,470 --> 00:46:08,720
kind of is the point but you really need

1257
00:46:12,550 --> 00:46:10,480
to use the real

1258
00:46:15,030 --> 00:46:12,560
branded stuff to get your point across

1259
00:46:16,790 --> 00:46:15,040
you do even the off-the-shelf ones most

1260
00:46:19,190 --> 00:46:16,800
of them have got the majority of the um

1261
00:46:20,390 --> 00:46:19,200
products are 3c or 6c which isn't very

1262
00:46:22,710 --> 00:46:20,400
much at all there's still active

1263
00:46:24,390 --> 00:46:22,720

ingredients in those cases well so if

1264

00:46:26,069 --> 00:46:24,400

you're going to overdose there there's

1265

00:46:28,150 --> 00:46:26,079

possible there's a possibility so you

1266

00:46:30,069 --> 00:46:28,160

need to be careful yeah and what about

1267

00:46:31,829 --> 00:46:30,079

your natural herbs like valerium if you

1268

00:46:33,510 --> 00:46:31,839

took a lot of valerian could that be

1269

00:46:34,950 --> 00:46:33,520

dangerous too if you take too much of

1270

00:46:36,230 --> 00:46:34,960

anything it can be dangerous which is

1271

00:46:38,230 --> 00:46:36,240

why you've actually got to look up what

1272

00:46:40,230 --> 00:46:38,240

these products are what the things that

1273

00:46:42,470 --> 00:46:40,240

are in high doses anyway look them up

1274

00:46:44,150 --> 00:46:42,480

and see okay how much can i take it's

1275

00:46:45,670 --> 00:46:44,160

something as simple as coffee huh which

1276

00:46:47,990 --> 00:46:45,680

you can drink and coffee every single

1277

00:46:49,270 --> 00:46:48,000

day no problems take as many pills as

1278

00:46:51,430 --> 00:46:49,280

you like so what's that some of the

1279

00:46:53,349 --> 00:46:51,440

other ingredients they can be dangerous

1280

00:46:55,589 --> 00:46:53,359

the website there is a

1281

00:46:57,030 --> 00:46:55,599

cycop.org

1282

00:47:00,309 --> 00:46:57,040

and you can just do a search on their

1283

00:47:02,150 --> 00:47:00,319

website or if you just google csi and

1284

00:47:03,349 --> 00:47:02,160

1023 that you can find out the

1285

00:47:05,750 --> 00:47:03,359

information about that yes but the

1286

00:47:07,270 --> 00:47:05,760

message is clear

1287

00:47:10,309 --> 00:47:07,280

all around the world if you are taking

1288

00:47:13,030 --> 00:47:10,319

part in the 1023 campaign be damn sure

1289

00:47:17,190 --> 00:47:13,040

what you're taking is indeed

1290

00:47:18,710 --> 00:47:17,200

sugar with no active ingredient um

1291

00:47:20,870 --> 00:47:18,720

we're pretty safe in australia i've i

1292

00:47:23,430 --> 00:47:20,880

i've gathered new too rachel we've

1293

00:47:26,150 --> 00:47:23,440

guzzled thousands of but we've guzzled

1294

00:47:29,190 --> 00:47:26,160

30c so what about you travis are you

1295

00:47:31,349 --> 00:47:29,200

guys participating in 1023

1296

00:47:33,910 --> 00:47:31,359

uh no we're not and it's uh specifically

1297

00:47:35,990 --> 00:47:33,920

because of that concern um we don't

1298

00:47:39,349 --> 00:47:36,000

really have enough time before the event

1299

00:47:41,270 --> 00:47:39,359

in order to uh do proper research and

1300

00:47:43,109 --> 00:47:41,280

get something that we know is safe and

1301

00:47:45,430 --> 00:47:43,119

um i know i've been in contact with a

1302

00:47:47,510 --> 00:47:45,440

couple other uh grassroots groups and

1303

00:47:48,630 --> 00:47:47,520

local groups that have the same concerns

1304

00:47:50,309 --> 00:47:48,640

so we're

1305

00:47:51,910 --> 00:47:50,319

we're still not sure exactly what we're

1306

00:47:54,150 --> 00:47:51,920

going to be doing if anything but it'll

1307

00:47:56,470 --> 00:47:54,160

probably be more on just education and

1308

00:47:58,630 --> 00:47:56,480

doing examples of how they

1309

00:48:00,069 --> 00:47:58,640

mix the homeopathic

1310

00:48:01,109 --> 00:48:00,079

remedies

1311

00:48:03,030 --> 00:48:01,119

so

1312

00:48:05,430 --> 00:48:03,040

travis can i ask a question then is is

1313

00:48:06,470 --> 00:48:05,440

homeopathy really homeopathy in the u.s

1314

00:48:08,710 --> 00:48:06,480

if

1315

00:48:10,630 --> 00:48:08,720

it's got an active ingredient i mean how

1316

00:48:13,109 --> 00:48:10,640

do you define it as homeopathy if

1317

00:48:15,109 --> 00:48:13,119

there's an active ingredient in it

1318

00:48:17,990 --> 00:48:15,119

well that's the problem i mean you can

1319

00:48:19,430 --> 00:48:18,000

find places um that there's a

1320

00:48:21,589 --> 00:48:19,440

local

1321

00:48:23,510 --> 00:48:21,599

like farmer's market kind of

1322

00:48:24,950 --> 00:48:23,520

store that has

1323

00:48:27,270 --> 00:48:24,960

homeopathic

1324

00:48:29,829 --> 00:48:27,280

remedies that seem to be

1325

00:48:31,829 --> 00:48:29,839

legit in actual homeopathic

1326

00:48:34,069 --> 00:48:31,839

remedies but

1327

00:48:35,589 --> 00:48:34,079

the problem is is with the regulation

1328

00:48:37,349 --> 00:48:35,599

because they're kind of classified as

1329

00:48:38,630 --> 00:48:37,359

supplements and supplements are

1330

00:48:41,589 --> 00:48:38,640

unregulated

1331

00:48:43,270 --> 00:48:41,599

so it's it's really hard to just

1332

00:48:45,109 --> 00:48:43,280

to you have to really look because the

1333

00:48:47,270 --> 00:48:45,119

problem is is with uh there was one

1334

00:48:48,710 --> 00:48:47,280

recent in recent history as i came where

1335

00:48:50,710 --> 00:48:48,720

it actually had zinc and it caused

1336

00:48:51,430 --> 00:48:50,720

people to lose their sense of smell

1337

00:48:52,870 --> 00:48:51,440

so

1338

00:48:54,390 --> 00:48:52,880

with the fact that there has been

1339

00:48:57,109 --> 00:48:54,400

something that has had an active

1340

00:48:58,870 --> 00:48:57,119

ingredient so recently and has had a

1341

00:49:00,230 --> 00:48:58,880

lasting effect that that makes us

1342

00:49:01,430 --> 00:49:00,240

worried so

1343

00:49:03,589 --> 00:49:01,440

i think that's really interesting

1344

00:49:04,790 --> 00:49:03,599

because you and i have often richard and

1345

00:49:07,030 --> 00:49:04,800

i have often

1346

00:49:08,950 --> 00:49:07,040

thought about how they make homeopathy

1347

00:49:11,109 --> 00:49:08,960

in australia and i mean i have to admit

1348

00:49:13,430 --> 00:49:11,119

i i have thought of all these rose and

1349

00:49:14,790 --> 00:49:13,440

rose of von paalong who are banging

1350

00:49:17,109 --> 00:49:14,800

something against you know a

1351
00:49:19,109 --> 00:49:17,119
leather-bound something you know it's

1352
00:49:20,710 --> 00:49:19,119
like like um willy wonka and the

1353
00:49:23,270 --> 00:49:20,720
chocolate factory i'm sure it's not like

1354
00:49:25,190 --> 00:49:23,280
that but we have

1355
00:49:26,950 --> 00:49:25,200
we we have sort of uh thought about

1356
00:49:28,950 --> 00:49:26,960
whether they actually add anything or

1357
00:49:30,630 --> 00:49:28,960
whether they do the dilutions and and

1358
00:49:31,910 --> 00:49:30,640
what we thought was they probably just

1359
00:49:34,390 --> 00:49:31,920
make the pills and put them in the

1360
00:49:36,069 --> 00:49:34,400
package to be honest the mass produced

1361
00:49:38,309 --> 00:49:36,079
homeopathy

1362
00:49:40,549 --> 00:49:38,319
homeopathic pills you can buy here in

1363
00:49:43,190 --> 00:49:40,559

the pharmacies which there must be many

1364

00:49:45,910 --> 00:49:43,200

hundreds and upon hundreds of thousands

1365

00:49:47,349 --> 00:49:45,920

all over the country i strongly suspect

1366

00:49:49,510 --> 00:49:47,359

there's a machine

1367

00:49:52,790 --> 00:49:49,520

somewhere which simply makes sugar pills

1368

00:49:54,309 --> 00:49:52,800

and they're packaged and out they go i

1369

00:49:55,750 --> 00:49:54,319

now i'd like to go into the factory and

1370

00:49:57,270 --> 00:49:55,760

see what really goes on but i can't

1371

00:49:59,430 --> 00:49:57,280

believe that they've actually gone

1372

00:50:01,750 --> 00:49:59,440

through any process with any ingredients

1373

00:50:03,349 --> 00:50:01,760

whatsoever why would they bother well

1374

00:50:05,190 --> 00:50:03,359

exactly which makes me

1375

00:50:06,950 --> 00:50:05,200

curious as to what travis is saying that

1376

00:50:09,349 --> 00:50:06,960

in the states some of them do have

1377

00:50:11,349 --> 00:50:09,359

active ingredients you know why bother

1378

00:50:13,349 --> 00:50:11,359

it's i mean i suppose in that instance

1379

00:50:15,109 --> 00:50:13,359

it's just a marketing tool isn't it to

1380

00:50:16,950 --> 00:50:15,119

call it homeopathic rather than i think

1381

00:50:18,470 --> 00:50:16,960

so and you know the company i'm talking

1382

00:50:19,750 --> 00:50:18,480

about uh yes i do know the company are

1383

00:50:21,589 --> 00:50:19,760

they from south australia yeah i'm going

1384

00:50:23,190 --> 00:50:21,599

to mention the brower company now

1385

00:50:25,030 --> 00:50:23,200

australians can walk into just about any

1386

00:50:26,710 --> 00:50:25,040

pharmacy and find boxes of sugar pills

1387

00:50:28,309 --> 00:50:26,720

from the brow company

1388

00:50:30,470 --> 00:50:28,319

and um

1389

00:50:32,549 --> 00:50:30,480

i look i i don't have evidence for this

1390

00:50:34,230 --> 00:50:32,559

but i why would they bother

1391

00:50:36,390 --> 00:50:34,240

doing a process when they can just still

1392

00:50:37,430 --> 00:50:36,400

sell sugar pills put homeopathic on the

1393

00:50:39,910 --> 00:50:37,440

side

1394

00:50:41,990 --> 00:50:39,920

make up whatever they like and sell them

1395

00:50:43,030 --> 00:50:42,000

well because travis similarly to you in

1396

00:50:45,030 --> 00:50:43,040

australia

1397

00:50:46,069 --> 00:50:45,040

homeopathy products are not regulated

1398

00:50:48,630 --> 00:50:46,079

either

1399

00:50:51,589 --> 00:50:48,640

you just have to when you apply for

1400

00:50:55,990 --> 00:50:51,599

a government number to get them into

1401
00:50:58,150 --> 00:50:56,000
pharmacies you just say it's got 30c of

1402
00:50:59,990 --> 00:50:58,160
austillium in it it's got 30c of blood

1403
00:51:02,150 --> 00:51:00,000
but you they don't ever test that and

1404
00:51:04,069 --> 00:51:02,160
they don't ask you for evidence they ask

1405
00:51:05,910 --> 00:51:04,079
you to have that evidence on you in case

1406
00:51:07,910 --> 00:51:05,920
they one day might ask you for it but

1407
00:51:09,589 --> 00:51:07,920
they don't ask that for upfront so you

1408
00:51:11,510 --> 00:51:09,599
don't know what you're taking did you

1409
00:51:13,750 --> 00:51:11,520
see that report from canada travis that

1410
00:51:15,589 --> 00:51:13,760
was recently on

1411
00:51:17,109 --> 00:51:15,599
uh no i didn't

1412
00:51:19,349 --> 00:51:17,119
that was on the market watch the

1413
00:51:21,430 --> 00:51:19,359

canadian program that exposed homeopathy

1414

00:51:24,309 --> 00:51:21,440

in canada that was interesting because

1415

00:51:27,270 --> 00:51:24,319

they took the preparations bought from

1416

00:51:28,710 --> 00:51:27,280

the pharmacy to a a laboratory had them

1417

00:51:31,270 --> 00:51:28,720

analyzed and they said

1418

00:51:37,670 --> 00:51:31,280

there's no nothing in these what what

1419

00:51:41,990 --> 00:51:39,990

can i tell my uh unregulated supplement

1420

00:51:43,430 --> 00:51:42,000

story now if that's okay yes go for it i

1421

00:51:45,109 --> 00:51:43,440

have actually told this before i don't

1422

00:51:47,030 --> 00:51:45,119

know if i have told it here in the early

1423

00:51:49,750 --> 00:51:47,040

90s i was taking a i think it was called

1424

00:51:52,069 --> 00:51:49,760

an l-i-c-n complex supplement i used to

1425

00:51:53,510 --> 00:51:52,079

buy it from a health food shop just near

1426
00:51:56,069 --> 00:51:53,520
king's crosses in william street just

1427
00:51:58,309 --> 00:51:56,079
going up the road at the coke sign and i

1428
00:52:00,150 --> 00:51:58,319
was getting very very ill

1429
00:52:01,670 --> 00:52:00,160
i was sleeping very badly i was getting

1430
00:52:03,829 --> 00:52:01,680
arthritis in every single joint of my

1431
00:52:05,510 --> 00:52:03,839
body except my knees i went to see

1432
00:52:08,230 --> 00:52:05,520
professor penny who at that time was the

1433
00:52:09,990 --> 00:52:08,240
chief immunologist in sydney um who

1434
00:52:11,670 --> 00:52:10,000
tested me for everything under the sun

1435
00:52:13,430 --> 00:52:11,680
immunologically wise could not find

1436
00:52:14,950 --> 00:52:13,440
anything wrong with me this supplement

1437
00:52:16,230 --> 00:52:14,960
was suddenly taken off the market by the

1438
00:52:17,349 --> 00:52:16,240

australian government i was very angry

1439

00:52:18,710 --> 00:52:17,359

couldn't get this to help me sleep

1440

00:52:20,630 --> 00:52:18,720

anymore

1441

00:52:22,549 --> 00:52:20,640

in the story i recovered slowly now and

1442

00:52:24,150 --> 00:52:22,559

knew what it was professor penny didn't

1443

00:52:25,829 --> 00:52:24,160

know what it was either it came and went

1444

00:52:26,549 --> 00:52:25,839

he tested me for every virus possibly

1445

00:52:28,230 --> 00:52:26,559

could

1446

00:52:29,910 --> 00:52:28,240

a couple years later i was watching the

1447

00:52:32,549 --> 00:52:29,920

discovery channel and

1448

00:52:35,910 --> 00:52:32,559

the main supplier of lyceum complex in

1449

00:52:37,430 --> 00:52:35,920

japan had contaminated with stricte

1450

00:52:38,790 --> 00:52:37,440

their uh

1451
00:52:40,069 --> 00:52:38,800
their product and it had been pulled

1452
00:52:41,829 --> 00:52:40,079
from all over the world now i'm pretty

1453
00:52:43,990 --> 00:52:41,839
sure that's what it was and that is what

1454
00:52:45,750 --> 00:52:44,000
i've been giving myself a low dose of

1455
00:52:48,150 --> 00:52:45,760
strychnine poisoning is that right

1456
00:52:51,030 --> 00:52:48,160
that's why your your complexion looks so

1457
00:52:52,390 --> 00:52:51,040
uh well yeah and i i just wonder you

1458
00:52:53,990 --> 00:52:52,400
know if anyone had been taking a higher

1459
00:52:55,589 --> 00:52:54,000
dose than i had what sort of the

1460
00:52:57,349 --> 00:52:55,599
negative effects it could have on you

1461
00:52:58,790 --> 00:52:57,359
but it really was and i i couldn't

1462
00:52:59,990 --> 00:52:58,800
figure out that he was this health food

1463
00:53:00,870 --> 00:53:00,000

supplement i would never have thought

1464

00:53:03,030 --> 00:53:00,880

that something i was taking from the

1465

00:53:05,190 --> 00:53:03,040

health it's used for

1466

00:53:06,950 --> 00:53:05,200

killing animals um yeah and i'm sure it

1467

00:53:08,549 --> 00:53:06,960

kills people in the right amount too

1468

00:53:10,549 --> 00:53:08,559

it's also been known to add to certain

1469

00:53:12,230 --> 00:53:10,559

uh recreational drugs to increase the

1470

00:53:13,589 --> 00:53:12,240

kick of them in small amounts as well

1471

00:53:15,270 --> 00:53:13,599

over the years but still it's not

1472

00:53:16,470 --> 00:53:15,280

something you want

1473

00:53:20,069 --> 00:53:16,480

no

1474

00:53:21,910 --> 00:53:20,079

that the government took my supplement

1475

00:53:24,630 --> 00:53:21,920

off the shelf how dare they take your

1476

00:53:27,510 --> 00:53:24,640

stricken away from you exactly

1477

00:53:28,950 --> 00:53:27,520

all right now maynard why why you're

1478

00:53:31,910 --> 00:53:28,960

sitting across from me and having a

1479

00:53:33,430 --> 00:53:31,920

conversation let's let's now talk and as

1480

00:53:35,750 --> 00:53:33,440

i promised at the top of the show let's

1481

00:53:36,950 --> 00:53:35,760

talk briefly about uh the interview you

1482

00:53:39,990 --> 00:53:36,960

conducted

1483

00:53:41,750 --> 00:53:40,000

look um i've known jessica for um

1484

00:53:42,950 --> 00:53:41,760

almost as long as she has been an

1485

00:53:45,750 --> 00:53:42,960

astrologer

1486

00:53:47,670 --> 00:53:45,760

i'd find her to be completely genuine um

1487

00:53:50,069 --> 00:53:47,680

um and that interview is one of the few

1488

00:53:51,510 --> 00:53:50,079

examples you'll get of uh the skeptics

1489

00:53:53,109 --> 00:53:51,520

you guys were happy with the interview

1490

00:53:54,390 --> 00:53:53,119

jessica was happy with the interview i

1491

00:53:56,069 --> 00:53:54,400

was happy with the interview i think she

1492

00:53:58,230 --> 00:53:56,079

wrapped it and represented herself well

1493

00:53:59,829 --> 00:53:58,240

let's just uh define

1494

00:54:02,470 --> 00:53:59,839

a word here at the moment because i i

1495

00:54:05,349 --> 00:54:02,480

was interested in your word genuine

1496

00:54:08,069 --> 00:54:05,359

now when you say genuine you mean

1497

00:54:10,790 --> 00:54:08,079

sincere yes all right and consistent

1498

00:54:12,710 --> 00:54:10,800

within her own reality right so just to

1499

00:54:13,910 --> 00:54:12,720

be clear you're not

1500

00:54:16,230 --> 00:54:13,920

you're not

1501
00:54:18,549 --> 00:54:16,240
suggesting or putting yourself over

1502
00:54:20,710 --> 00:54:18,559
saying that genuine meaning what she

1503
00:54:23,829 --> 00:54:20,720
says was correct you're saying she's a

1504
00:54:26,390 --> 00:54:23,839
genuine person in that she is sincere

1505
00:54:27,910 --> 00:54:26,400
that is correct and the the um all the

1506
00:54:30,470 --> 00:54:27,920
interactions i've had with her over the

1507
00:54:33,030 --> 00:54:30,480
years um have been genuine ones and like

1508
00:54:35,670 --> 00:54:33,040
i said um uh she's certainly consistent

1509
00:54:39,109 --> 00:54:35,680
within her own reality and and uh and i

1510
00:54:41,349 --> 00:54:39,119
can't even say that about myself

1511
00:54:42,790 --> 00:54:41,359
all right now here's what we want you to

1512
00:54:44,309 --> 00:54:42,800
do dear listeners

1513
00:54:46,390 --> 00:54:44,319

you heard the interview that maynard

1514

00:54:47,589 --> 00:54:46,400

conducted with jessica adams earlier in

1515

00:54:49,670 --> 00:54:47,599

the show

1516

00:54:52,870 --> 00:54:49,680

and i'm sure you all have your

1517

00:54:55,349 --> 00:54:52,880

opinions about it we're not going to sit

1518

00:54:57,430 --> 00:54:55,359

here on the skeptic zone and

1519

00:54:59,349 --> 00:54:57,440

look at her interview line by line and

1520

00:55:00,150 --> 00:54:59,359

point this out and point that out i'd

1521

00:55:02,630 --> 00:55:00,160

like

1522

00:55:04,710 --> 00:55:02,640

you all to do that now you can imagine i

1523

00:55:06,870 --> 00:55:04,720

personally have very strong opinions on

1524

00:55:08,309 --> 00:55:06,880

what jessica adams said to maynard and

1525

00:55:11,190 --> 00:55:08,319

some of her uh

1526

00:55:15,030 --> 00:55:11,200

her responses and her points of view

1527

00:55:17,030 --> 00:55:15,040

if you want to comment yourself

1528

00:55:18,710 --> 00:55:17,040

and point out what you think she said

1529

00:55:20,790 --> 00:55:18,720

right or wrong

1530

00:55:22,470 --> 00:55:20,800

let's do that go to the skeptic zone

1531

00:55:24,470 --> 00:55:22,480

skepticism.tv

1532

00:55:27,349 --> 00:55:24,480

click the the comments link for this

1533

00:55:28,870 --> 00:55:27,359

episode 119 and let's have a good

1534

00:55:29,910 --> 00:55:28,880

discussion about it i would be

1535

00:55:32,470 --> 00:55:29,920

interested

1536

00:55:34,950 --> 00:55:32,480

for you uh especially people sort of new

1537

00:55:38,069 --> 00:55:34,960

to the skeptical world to see what you

1538

00:55:40,549 --> 00:55:38,079

thought about her uh her point of view

1539

00:55:41,670 --> 00:55:40,559

her answers and where she was going i

1540

00:55:43,510 --> 00:55:41,680

think that's the best thing we can do

1541

00:55:46,150 --> 00:55:43,520

maynard and just to remind you that is

1542

00:55:48,150 --> 00:55:46,160

moderated so if you come on and say oh i

1543

00:55:49,750 --> 00:55:48,160

think she was she was awful and what a

1544

00:55:52,069 --> 00:55:49,760

stupid woman or

1545

00:55:53,910 --> 00:55:52,079

or the reverse if you come on and say

1546

00:55:56,549 --> 00:55:53,920

you skeptics are a bunch of fools it

1547

00:55:58,230 --> 00:55:56,559

won't get through so polite comments

1548

00:55:59,910 --> 00:55:58,240

please and we'll see where that takes us

1549

00:56:01,109 --> 00:55:59,920

but also what we are interested too is

1550

00:56:02,870 --> 00:56:01,119

do you think that's the kind of thing we

1551
00:56:04,549 --> 00:56:02,880
should have on the skeptic zone because

1552
00:56:06,309 --> 00:56:04,559
i mean it would be hard to get someone

1553
00:56:08,390 --> 00:56:06,319
like that on a podcast like this in the

1554
00:56:10,470 --> 00:56:08,400
first place and you know is it it's good

1555
00:56:12,309 --> 00:56:10,480
to know how astrology works well

1556
00:56:13,349 --> 00:56:12,319
personally just from my point of view

1557
00:56:14,950 --> 00:56:13,359
every now and then i don't see any

1558
00:56:17,910 --> 00:56:14,960
harmony

1559
00:56:20,230 --> 00:56:17,920
i i like it's why we go to mind body

1560
00:56:21,589 --> 00:56:20,240
wallet raging exactly it's always good

1561
00:56:23,349 --> 00:56:21,599
to see where other people are coming

1562
00:56:25,349 --> 00:56:23,359
from what is that where's their mindset

1563
00:56:26,950 --> 00:56:25,359

research and education you know so

1564

00:56:29,270 --> 00:56:26,960

listeners i hope you took it in that

1565

00:56:30,390 --> 00:56:29,280

light i mean we're not for one moment

1566

00:56:32,470 --> 00:56:30,400

saying

1567

00:56:35,670 --> 00:56:32,480

we've turned to astrology but i wanted

1568

00:56:37,430 --> 00:56:35,680

you to hear the the thinking the mindset

1569

00:56:38,549 --> 00:56:37,440

of these sort of people and particularly

1570

00:56:41,190 --> 00:56:38,559

when jessica was saying about the

1571

00:56:43,190 --> 00:56:41,200

testing of astrology too and you know

1572

00:56:44,870 --> 00:56:43,200

the two science and astrology will never

1573

00:56:46,230 --> 00:56:44,880

meet because they're not agreeing on the

1574

00:56:47,990 --> 00:56:46,240

same terms and they're not measuring the

1575

00:56:49,750 --> 00:56:48,000

same things so that's why you're never

1576
00:56:51,910 --> 00:56:49,760
going to be able to get anybody going

1577
00:56:53,190 --> 00:56:51,920
for the the randy test and pass it

1578
00:56:55,430 --> 00:56:53,200
because the two of them don't talk the

1579
00:56:57,030 --> 00:56:55,440
same language now travis i know that you

1580
00:56:58,950 --> 00:56:57,040
haven't heard this interview yet because

1581
00:57:00,710 --> 00:56:58,960
we're sort of recording this a little

1582
00:57:03,030 --> 00:57:00,720
bit out of sequence but

1583
00:57:04,870 --> 00:57:03,040
i'd be welcome your input too uh after

1584
00:57:06,630 --> 00:57:04,880
the show goes out

1585
00:57:09,030 --> 00:57:06,640
yeah definitely

1586
00:57:11,349 --> 00:57:09,040
and uh share it around with the granite

1587
00:57:14,069 --> 00:57:11,359
state the granite state skeptics folks

1588
00:57:16,470 --> 00:57:14,079

travis tell us about it

1589

00:57:19,750 --> 00:57:16,480

do you have any astrologers in there

1590

00:57:22,549 --> 00:57:19,760

uh not to my knowledge but the uh but

1591

00:57:24,789 --> 00:57:22,559

grant says skeptics is going well um

1592

00:57:26,710 --> 00:57:24,799

we meet the second monday of every month

1593

00:57:28,309 --> 00:57:26,720

at a place called wings your way in

1594

00:57:31,430 --> 00:57:28,319

manchester new hampshire

1595

00:57:33,750 --> 00:57:31,440

uh richard was kind enough to do a talk

1596

00:57:36,390 --> 00:57:33,760

at one of our meetings via skype which

1597

00:57:37,910 --> 00:57:36,400

went surprisingly well and kind of

1598

00:57:39,589 --> 00:57:37,920

shocked one of the waitresses because i

1599

00:57:40,630 --> 00:57:39,599

don't think at first she realized it was

1600

00:57:41,990 --> 00:57:40,640

live

1601
00:57:47,430 --> 00:57:42,000
um

1602
00:57:49,030 --> 00:57:47,440
my wife and the vice president is

1603
00:57:50,870 --> 00:57:49,040
currently planning a skeptic camp that

1604
00:57:52,710 --> 00:57:50,880
we hope to be doing sometime between

1605
00:57:54,549 --> 00:57:52,720
nexus and tam

1606
00:57:56,630 --> 00:57:54,559
and we're planning on getting ready to

1607
00:57:58,710 --> 00:57:56,640
go down to nexus and uh

1608
00:58:00,309 --> 00:57:58,720
yeah things are going fantastically well

1609
00:58:01,910 --> 00:58:00,319
i'm really um

1610
00:58:04,390 --> 00:58:01,920
i got a kick out of doing that talk for

1611
00:58:06,470 --> 00:58:04,400
your group travis because just to uh

1612
00:58:09,270 --> 00:58:06,480
remind everybody i was doing it by a

1613
00:58:11,349 --> 00:58:09,280

video from australia on skype travis had

1614

00:58:13,109 --> 00:58:11,359

my powerpoint presentation so the

1615

00:58:15,190 --> 00:58:13,119

audience could see me on video they

1616

00:58:17,430 --> 00:58:15,200

could see my powerpoint presentation and

1617

00:58:19,589 --> 00:58:17,440

when i and i could see them

1618

00:58:21,670 --> 00:58:19,599

it and it worked fantastically well it

1619

00:58:23,430 --> 00:58:21,680

was amazing and also you were doing it

1620

00:58:24,789 --> 00:58:23,440

in your pajamas weren't you richard

1621

00:58:28,549 --> 00:58:24,799

probably yes

1622

00:58:31,829 --> 00:58:28,559

no my pajama jeans in fact oh no

1623

00:58:32,630 --> 00:58:31,839

not pajama jeans who you they were on tv

1624

00:58:40,870 --> 00:58:32,640

today

1625

00:58:45,109 --> 00:58:43,990

pajama jeans are right up your alley

1626
00:58:46,870 --> 00:58:45,119
they are the

1627
00:58:49,510 --> 00:58:46,880
main hardware you should you google it

1628
00:58:51,990 --> 00:58:49,520
you will go you bear i love it brilliant

1629
00:58:53,030 --> 00:58:52,000
ad on the in the us for these um jeans

1630
00:58:54,549 --> 00:58:53,040
that are so comfortable they're like

1631
00:58:57,510 --> 00:58:54,559
wearing pajamas but i think they are

1632
00:58:58,870 --> 00:58:57,520
pajamas that look like jeans no they're

1633
00:59:01,349 --> 00:58:58,880
they're jeans that are as comfortable as

1634
00:59:03,430 --> 00:59:01,359
pajamas aren't they travis yeah

1635
00:59:04,950 --> 00:59:03,440
look what kind of patterns are they

1636
00:59:07,990 --> 00:59:04,960
they look like jeans

1637
00:59:09,990 --> 00:59:08,000
pockets and everything they're they're

1638
00:59:11,910 --> 00:59:10,000

great and there's actually um

1639

00:59:14,150 --> 00:59:11,920

just to go off a little bit there's a

1640

00:59:16,549 --> 00:59:14,160

there's a fantastic blog it's called

1641

00:59:18,470 --> 00:59:16,559

ridiculous infomercials and i think i

1642

00:59:20,710 --> 00:59:18,480

saw it there first but they have

1643

00:59:22,710 --> 00:59:20,720

tons and tons of other stuff and a lot

1644

00:59:25,190 --> 00:59:22,720

of it is actually kind of woo related so

1645

00:59:26,789 --> 00:59:25,200

it's it's a it's on my uh google reader

1646

00:59:27,910 --> 00:59:26,799

list but it's a great website are you

1647

00:59:30,309 --> 00:59:27,920

saying that this could be bigger than

1648

00:59:33,349 --> 00:59:30,319

the snuggie or the slanket

1649

00:59:34,630 --> 00:59:33,359

um i don't know about that but uh

1650

00:59:37,190 --> 00:59:34,640

they've definitely been pushing them

1651
00:59:39,430 --> 00:59:37,200
hard over here and i i haven't seen

1652
00:59:41,750 --> 00:59:39,440
anybody actually wearing them but

1653
00:59:43,589 --> 00:59:41,760
they said on the tv today uh pajama

1654
00:59:45,270 --> 00:59:43,599
jeans is what people who wear snuggies

1655
00:59:46,950 --> 00:59:45,280
are too lazy to wear or something like

1656
00:59:48,789 --> 00:59:46,960
that so you saw an ad on australian

1657
00:59:52,950 --> 00:59:48,799
television they were discussing it on

1658
00:59:56,390 --> 00:59:54,789
because i think you i

1659
00:59:58,630 --> 00:59:56,400
oh yeah we're looking at a picture now

1660
01:00:00,710 --> 00:59:58,640
there they are there they are

1661
01:00:02,150 --> 01:00:00,720
now you do travis you do wear them out

1662
01:00:03,750 --> 01:00:02,160
of the house right they are actually

1663
01:00:05,910 --> 01:00:03,760

jeans that are as comfortable as pajamas

1664

01:00:07,109 --> 01:00:05,920

is that right yeah because i you sent me

1665

01:00:08,870 --> 01:00:07,119

but they're not actually jeans they're

1666

01:00:09,829 --> 01:00:08,880

made out of the same fabric as pajamas

1667

01:00:12,309 --> 01:00:09,839

are but they're meant for they're just

1668

01:00:14,390 --> 01:00:12,319

yeah they just look like jeans so

1669

01:00:17,109 --> 01:00:14,400

they're flannel i i've see i've seen

1670

01:00:20,230 --> 01:00:17,119

them in person at the mall and then they

1671

01:00:22,870 --> 01:00:21,750

it's just in the ads but they look like

1672

01:00:24,789 --> 01:00:22,880

jeans

1673

01:00:26,630 --> 01:00:24,799

it's all photoshopped oh no there you

1674

01:00:28,069 --> 01:00:26,640

have maynard let's say you mean entire

1675

01:00:32,069 --> 01:00:28,079

families don't go to sporting games

1676
01:00:32,079 --> 01:00:37,829
no that's it i'm handing in my shamwow

1677
01:00:43,270 --> 01:00:41,030
let's talk about something now

1678
01:00:45,750 --> 01:00:43,280
uh rachel yes now this is very exciting

1679
01:00:48,309 --> 01:00:45,760
and i'd like to wet the appetite of our

1680
01:00:49,750 --> 01:00:48,319
listeners for next week's show

1681
01:00:52,470 --> 01:00:49,760
we're going to have a longer look at

1682
01:00:54,549 --> 01:00:52,480
power balance yes i know that we go on

1683
01:00:56,870 --> 01:00:54,559
about it a little bit we do michael

1684
01:00:59,270 --> 01:00:56,880
marshall i'm sorry that you get annoyed

1685
01:01:00,309 --> 01:00:59,280
that we keep going on about power

1686
01:01:02,150 --> 01:01:00,319
balance

1687
01:01:05,910 --> 01:01:02,160
mike mike marsh

1688
01:01:07,829 --> 01:01:05,920

from um merseyside skeptics skeptics

1689

01:01:09,270 --> 01:01:07,839

says we talk about it too much but that

1690

01:01:10,710 --> 01:01:09,280

he was on the show a few weeks ago

1691

01:01:12,950 --> 01:01:10,720

helping me out talking that's true

1692

01:01:15,190 --> 01:01:12,960

that's true but anyway we've got a lot

1693

01:01:17,829 --> 01:01:15,200

to say a lot to say about power balance

1694

01:01:19,349 --> 01:01:17,839

next week and some related products uh

1695

01:01:20,870 --> 01:01:19,359

but you're going to be interviewing some

1696

01:01:22,309 --> 01:01:20,880

people who've just conducted some

1697

01:01:26,069 --> 01:01:22,319

research into it

1698

01:01:29,349 --> 01:01:26,079

yes um a couple of days ago a scientific

1699

01:01:31,910 --> 01:01:29,359

study was published in australia um by

1700

01:01:34,309 --> 01:01:31,920

interestingly some chiropractors um

1701
01:01:36,069 --> 01:01:34,319
amongst others well chiropractors were

1702
01:01:37,030 --> 01:01:36,079
the two first authors and then a couple

1703
01:01:39,270 --> 01:01:37,040
of guys from the department of

1704
01:01:41,270 --> 01:01:39,280
mathematics at the um royal melbourne

1705
01:01:43,190 --> 01:01:41,280
institute of technology rmit here in

1706
01:01:44,630 --> 01:01:43,200
australia and we knew a few months ago

1707
01:01:46,470 --> 01:01:44,640
that they were doing this study because

1708
01:01:48,789 --> 01:01:46,480
um it was covered on the mainstream

1709
01:01:50,630 --> 01:01:48,799
media and i was a little bit worried at

1710
01:01:53,030 --> 01:01:50,640
the time that it might come out with the

1711
01:01:55,349 --> 01:01:53,040
wrong answer and the reason i can say

1712
01:01:57,030 --> 01:01:55,359
the wrong answer is because we know that

1713
01:01:59,270 --> 01:01:57,040

power balance is an expensive rubber

1714

01:02:00,950 --> 01:01:59,280

band i mean there's no question i mean

1715

01:02:03,190 --> 01:02:00,960

you don't need to do a study on it you

1716

01:02:06,309 --> 01:02:03,200

can just look at it and go you're joking

1717

01:02:08,230 --> 01:02:06,319

you know honestly it's just hilarious um

1718

01:02:11,030 --> 01:02:08,240

oh sorry we've just been devoted to

1719

01:02:13,670 --> 01:02:11,040

pajamas pajama jeans oh my goodness

1720

01:02:17,030 --> 01:02:13,680

look at that wow style meets comfort i

1721

01:02:20,710 --> 01:02:18,309

like while you guys are looking at

1722

01:02:23,030 --> 01:02:20,720

pajama jeez i wanted to add that

1723

01:02:25,510 --> 01:02:23,040

on brian dunning's skept talk list

1724

01:02:27,270 --> 01:02:25,520

somebody brought up uh fightin which is

1725

01:02:29,030 --> 01:02:27,280

a similar type of product

1726

01:02:31,430 --> 01:02:29,040

and i think it's important to to mention

1727

01:02:34,309 --> 01:02:31,440

that i mean i i talk about power balance

1728

01:02:36,549 --> 01:02:34,319

specifically as well but i i think that

1729

01:02:39,349 --> 01:02:36,559

you'd agree that power balance is really

1730

01:02:41,109 --> 01:02:39,359

just an example of a type of product and

1731

01:02:42,390 --> 01:02:41,119

there's a lot of different similar

1732

01:02:43,270 --> 01:02:42,400

products that

1733

01:02:45,349 --> 01:02:43,280

make

1734

01:02:47,990 --> 01:02:45,359

almost exactly the same claim even if

1735

01:02:50,230 --> 01:02:48,000

it's a different mechanism and that

1736

01:02:52,150 --> 01:02:50,240

power balance is is like is just used as

1737

01:02:54,069 --> 01:02:52,160

an example in that we mean all these

1738

01:02:56,710 --> 01:02:54,079

other type of products like i renew and

1739

01:02:58,069 --> 01:02:56,720

fighting and and the other ones yes

1740

01:02:59,910 --> 01:02:58,079

we'll be talking about that more in

1741

01:03:01,510 --> 01:02:59,920

depth next week but sorry rachel yes

1742

01:03:03,270 --> 01:03:01,520

these uh

1743

01:03:05,430 --> 01:03:03,280

chiropractors yeah so this was the first

1744

01:03:08,230 --> 01:03:05,440

scientific study to come out and um it

1745

01:03:09,510 --> 01:03:08,240

was 42 subjects double blind crossover

1746

01:03:12,789 --> 01:03:09,520

control

1747

01:03:15,190 --> 01:03:12,799

where they had three different types of

1748

01:03:17,270 --> 01:03:15,200

bands a placebo one with a

1749

01:03:18,710 --> 01:03:17,280

the normal one so a holographic band

1750

01:03:21,029 --> 01:03:18,720

whatever that might be whether that's an

1751

01:03:22,710 --> 01:03:21,039

akin band or a power balance band

1752

01:03:24,630 --> 01:03:22,720

and then one where the hologram was

1753

01:03:26,069 --> 01:03:24,640

taken out and just a metal thing of the

1754

01:03:27,910 --> 01:03:26,079

same weight put in

1755

01:03:29,589 --> 01:03:27,920

anyway are they i'm going to talk to the

1756

01:03:31,190 --> 01:03:29,599

authors next week

1757

01:03:33,270 --> 01:03:31,200

about the results but basically they

1758

01:03:35,510 --> 01:03:33,280

showed that there was no difference

1759

01:03:37,190 --> 01:03:35,520

in improving balance with

1760

01:03:39,190 --> 01:03:37,200

the expensive

1761

01:03:41,270 --> 01:03:39,200

power balance type holographic band

1762

01:03:43,430 --> 01:03:41,280

versus the placebo but the thing that's

1763

01:03:45,589 --> 01:03:43,440

so sweet about this is when it was

1764

01:03:47,589 --> 01:03:45,599

tested using science it came back and

1765

01:03:49,750 --> 01:03:47,599

bit them on the ass

1766

01:03:52,950 --> 01:03:49,760

and to me that's just like

1767

01:03:55,990 --> 01:03:52,960

oh dear how you liking science now power

1768

01:03:58,150 --> 01:03:56,000

balance not so much speaking about being

1769

01:04:00,230 --> 01:03:58,160

bitten on the ask dr he if you could

1770

01:04:02,870 --> 01:04:00,240

just um

1771

01:04:04,470 --> 01:04:02,880

a brief overview of your uh blog post on

1772

01:04:06,789 --> 01:04:04,480

the skeptics book of poopoo which i've

1773

01:04:09,670 --> 01:04:06,799

linked to in the newsletter about poor

1774

01:04:11,510 --> 01:04:09,680

old andrew wakefield oh poor andy pandy

1775

01:04:13,190 --> 01:04:11,520

i used to when people used to say is not

1776

01:04:14,630 --> 01:04:13,200

a doctor i used to defend him and say no

1777

01:04:17,510 --> 01:04:14,640

he still has a medical degree and you

1778

01:04:18,710 --> 01:04:17,520

can't take that away from him

1779

01:04:21,270 --> 01:04:18,720

i'm not going to bother to do that

1780

01:04:24,150 --> 01:04:21,280

anymore he's a fraudulent

1781

01:04:26,069 --> 01:04:24,160

so-and-so so and so um

1782

01:04:27,990 --> 01:04:26,079

he's it was reported last week on

1783

01:04:30,789 --> 01:04:28,000

twitter and this was sent out by at dr

1784

01:04:32,870 --> 01:04:30,799

blogs and retweeted by seth moonkin who

1785

01:04:35,190 --> 01:04:32,880

wrote the book the panic virus

1786

01:04:37,029 --> 01:04:35,200

uh he's now gone into

1787

01:04:39,349 --> 01:04:37,039

minneapolis

1788

01:04:41,430 --> 01:04:39,359

and he's trying to recruit

1789

01:04:43,430 --> 01:04:41,440

patients who are autistic from the

1790

01:04:44,390 --> 01:04:43,440

somali community in this area because

1791

01:04:46,230 --> 01:04:44,400

it's been

1792

01:04:47,750 --> 01:04:46,240

shown in some sort of population studies

1793

01:04:49,829 --> 01:04:47,760

that they seem to have a higher

1794

01:04:51,430 --> 01:04:49,839

incidence of autism and it's not yet

1795

01:04:53,109 --> 01:04:51,440

known whether that might be related to

1796

01:04:55,430 --> 01:04:53,119

their diet or their genetics or whether

1797

01:04:57,190 --> 01:04:55,440

they just send their kids to

1798

01:04:59,750 --> 01:04:57,200

certain types of schools where they're

1799

01:05:01,589 --> 01:04:59,760

identified so it might be increased

1800

01:05:03,910 --> 01:05:01,599

reporting if you like

1801
01:05:05,430 --> 01:05:03,920
so there is going to be a study done by

1802
01:05:06,870 --> 01:05:05,440
the national institute for health and

1803
01:05:07,829 --> 01:05:06,880
the cdc

1804
01:05:09,349 --> 01:05:07,839
but

1805
01:05:11,430 --> 01:05:09,359
wakefield found out about this and i

1806
01:05:13,589 --> 01:05:11,440
believe this is through jb hanley who's

1807
01:05:15,430 --> 01:05:13,599
the guy that runs age of autism

1808
01:05:17,510 --> 01:05:15,440
he went down there and did a speech at a

1809
01:05:19,109 --> 01:05:17,520
restaurant to a hundred parents and said

1810
01:05:22,069 --> 01:05:19,119
i'm going to offer

1811
01:05:23,670 --> 01:05:22,079
hyperbaric chamber therapy for your kids

1812
01:05:25,430 --> 01:05:23,680
with autism and i want to study them and

1813
01:05:26,789 --> 01:05:25,440

come and sign up here

1814

01:05:29,109 --> 01:05:26,799

i mean they're starting off in the most

1815

01:05:31,109 --> 01:05:29,119

professional manner they possibly can

1816

01:05:33,430 --> 01:05:31,119

and if you don't see any sarcasm in that

1817

01:05:35,029 --> 01:05:33,440

last comment you're completely blind so

1818

01:05:36,950 --> 01:05:35,039

people can read a lot more about that at

1819

01:05:40,230 --> 01:05:36,960

school sorry yeah so i've blogged that

1820

01:05:41,829 --> 01:05:40,240

um under not a dr wakefield on my blog

1821

01:05:44,630 --> 01:05:41,839

which the link is in the newsletter

1822

01:05:45,589 --> 01:05:44,640

because i mean this guy just

1823

01:05:48,309 --> 01:05:45,599

i mean

1824

01:05:50,230 --> 01:05:48,319

seriously like just space bombing i am

1825

01:05:51,670 --> 01:05:50,240

face palming with two hands even the way

1826

01:05:54,150 --> 01:05:51,680

they're starting off this study wouldn't

1827

01:05:55,829 --> 01:05:54,160

get past any medical ethical boards

1828

01:05:57,109 --> 01:05:55,839

but but this is the thing we don't know

1829

01:05:58,710 --> 01:05:57,119

where he's getting the money from we

1830

01:06:00,870 --> 01:05:58,720

don't know who's doing who's going to

1831

01:06:03,270 --> 01:06:00,880

actually do the study because wayfield

1832

01:06:05,270 --> 01:06:03,280

surely isn't allowed to do that the nih

1833

01:06:07,270 --> 01:06:05,280

and cdsc is completely separate

1834

01:06:09,589 --> 01:06:07,280

so wakefield's just taken upon himself

1835

01:06:11,750 --> 01:06:09,599

to go down there and say ho ho ho ho i'm

1836

01:06:13,670 --> 01:06:11,760

andy pandy you know

1837

01:06:15,670 --> 01:06:13,680

and it's just

1838

01:06:17,430 --> 01:06:15,680

i mean that the guy just needs to leave

1839

01:06:19,109 --> 01:06:17,440

kids alone i mean seriously there should

1840

01:06:20,710 --> 01:06:19,119

be a restraining order against him or

1841

01:06:22,549 --> 01:06:20,720

something you know he shouldn't be

1842

01:06:25,029 --> 01:06:22,559

allowed near children that's not a bad

1843

01:06:27,190 --> 01:06:25,039

that's not a bad point dr h anyway folks

1844

01:06:29,430 --> 01:06:27,200

there is a link and a little bit more

1845

01:06:30,710 --> 01:06:29,440

information if you subscribe to the

1846

01:06:33,270 --> 01:06:30,720

skeptic zone newsletter at www

1847

01:06:35,430 --> 01:06:33,280

www.skipxon.tv

1848

01:06:37,990 --> 01:06:35,440

or head straight to the skeptic's book

1849

01:06:39,750 --> 01:06:38,000

blog or just google skepticsbook and

1850

01:06:41,990 --> 01:06:39,760

they'll find your blog

1851

01:06:43,829 --> 01:06:42,000

now oh can i just say quickly yeah it's

1852

01:06:46,549 --> 01:06:43,839

been receiving a lot of ddos attacks

1853

01:06:48,150 --> 01:06:46,559

recently yes it has hasn't it

1854

01:06:49,750 --> 01:06:48,160

you're being interested

1855

01:06:52,549 --> 01:06:49,760

it keeps going down

1856

01:06:54,390 --> 01:06:52,559

and um it was after the whole wakefield

1857

01:06:55,829 --> 01:06:54,400

as a fraud thing came out in the bmj a

1858

01:06:59,750 --> 01:06:55,839

few weeks ago

1859

01:07:02,390 --> 01:06:59,760

it seemed we we found one post on a

1860

01:07:05,349 --> 01:07:02,400

anti-vaxx mailing list from

1861

01:07:07,510 --> 01:07:05,359

a homeopath who we know

1862

01:07:09,750 --> 01:07:07,520

who was saying that um sherry naken

1863

01:07:11,510 --> 01:07:09,760

she's the hanamanian homeopath which was

1864

01:07:13,510 --> 01:07:11,520

directing a lot of people on that list

1865

01:07:15,910 --> 01:07:13,520

to go to specific blogs and just bombard

1866

01:07:18,069 --> 01:07:15,920

them i wasn't on that list but a friend

1867

01:07:19,750 --> 01:07:18,079

of mine has looked at the the hits and

1868

01:07:22,069 --> 01:07:19,760

said that it's a it's a it's a

1869

01:07:23,829 --> 01:07:22,079

half-assed ddos attack and we think it

1870

01:07:25,270 --> 01:07:23,839

might be something to do with the whole

1871

01:07:27,270 --> 01:07:25,280

wakefield as a fraud thing but i don't

1872

01:07:29,190 --> 01:07:27,280

i'm just speculating but the blog has

1873

01:07:30,789 --> 01:07:29,200

been going up and down all right yeah

1874

01:07:32,549 --> 01:07:30,799

it's up at the moment i'm pretty sure it

1875

01:07:36,630 --> 01:07:32,559

is yeah skeptics book folks one of the

1876

01:07:38,230 --> 01:07:36,640

best uh logs on the planet now we better

1877

01:07:40,630 --> 01:07:38,240

wrap it up pretty soon because i noticed

1878

01:07:42,309 --> 01:07:40,640

my battery to travis is running out

1879

01:07:44,630 --> 01:07:42,319

which isn't a good thing but may not i

1880

01:07:46,150 --> 01:07:44,640

know you wanted to mention a few of your

1881

01:07:48,309 --> 01:07:46,160

podcasts there oh look there's just a

1882

01:07:50,309 --> 01:07:48,319

few things that are coming up um in the

1883

01:07:51,910 --> 01:07:50,319

i've uh after the if you were jessica

1884

01:07:54,950 --> 01:07:51,920

i'm thinking wow how am i going to top

1885

01:07:57,109 --> 01:07:54,960

that one but we've got the local uh guys

1886

01:07:58,950 --> 01:07:57,119

the mysterious universe podcast now they

1887

01:08:01,430 --> 01:07:58,960

deal with a lot of unusual stuff and

1888

01:08:02,549 --> 01:08:01,440

they they the aaron and ben that do that

1889

01:08:04,630 --> 01:08:02,559

they they've got their own little

1890

01:08:06,230 --> 01:08:04,640

production studio at mysterious city at

1891

01:08:07,589 --> 01:08:06,240

crow's nest there it's a very

1892

01:08:11,670 --> 01:08:07,599

professional production they haven't got

1893

01:08:15,990 --> 01:08:13,510

although neither has this episode

1894

01:08:17,189 --> 01:08:16,000

actually so no not yet but um i've got

1895

01:08:18,630 --> 01:08:17,199

to say i'm going to pop over have a chat

1896

01:08:20,309 --> 01:08:18,640

to them and so check out mysterious

1897

01:08:21,910 --> 01:08:20,319

universe and the way they work their

1898

01:08:23,749 --> 01:08:21,920

financial model of their podcast is you

1899

01:08:25,110 --> 01:08:23,759

get the first half of the podcast free

1900

01:08:27,269 --> 01:08:25,120

and if you're a subscriber you get the

1901

01:08:28,870 --> 01:08:27,279

second half so i think that's something

1902

01:08:30,470 --> 01:08:28,880

i'm not a bad way of doing it people

1903

01:08:32,390 --> 01:08:30,480

paid more they can get more of more

1904

01:08:33,910 --> 01:08:32,400

maynard's uh madness or something or

1905

01:08:35,349 --> 01:08:33,920

something like that that's madness and

1906

01:08:36,870 --> 01:08:35,359

of course and thank you from with the

1907

01:08:38,550 --> 01:08:36,880

kind comments about the douglas adams

1908

01:08:40,870 --> 01:08:38,560

interview that i've got up at maynard's

1909

01:08:42,709 --> 01:08:40,880

malays that's maynard.com that's worth

1910

01:08:45,030 --> 01:08:42,719

checking out i'd like to thank travis

1911

01:08:46,470 --> 01:08:45,040

for putting me on to professor elemental

1912

01:08:49,590 --> 01:08:46,480

now there's a great uh video for

1913

01:08:51,590 --> 01:08:49,600

professor he does uh uh chap hop which

1914

01:08:52,950 --> 01:08:51,600

is hip-hop done by uh i imagine a

1915

01:08:54,789 --> 01:08:52,960

sherlock holmes type character would

1916

01:08:55,990 --> 01:08:54,799

that be right travis

1917

01:08:58,149 --> 01:08:56,000

yes

1918

01:09:00,229 --> 01:08:58,159

and uh i think the standout track is my

1919

01:09:02,309 --> 01:09:00,239

fighting trousers look for my fighting

1920

01:09:03,510 --> 01:09:02,319

trousers by professor elemental because

1921

01:09:04,950 --> 01:09:03,520

apparently he has a degree and you can't

1922

01:09:08,070 --> 01:09:04,960

take it away from him professor

1923

01:09:09,910 --> 01:09:08,080

elemental at uh on it's fantastic and

1924

01:09:11,829 --> 01:09:09,920

also yeah the other the other really

1925

01:09:13,829 --> 01:09:11,839

good one that he did was um

1926

01:09:16,470 --> 01:09:13,839

a cup of the brown stuff which is about

1927

01:09:18,390 --> 01:09:16,480

tea oh it's all about his tea addiction

1928

01:09:20,550 --> 01:09:18,400

oh tea addiction

1929

01:09:21,829 --> 01:09:20,560

and also um i must say with gary the

1930

01:09:24,149 --> 01:09:21,839

food inspector that we had on a few

1931

01:09:26,149 --> 01:09:24,159

weeks ago wasn't he great that was great

1932

01:09:27,510 --> 01:09:26,159

and and he said he really wants to come

1933

01:09:28,950 --> 01:09:27,520

along to any skeptics in the pub and

1934

01:09:30,950 --> 01:09:28,960

have a chat with you he'd be more than

1935

01:09:32,550 --> 01:09:30,960

happy to come along and talk about food

1936

01:09:33,669 --> 01:09:32,560

safety and take questions because he's

1937

01:09:35,269 --> 01:09:33,679

he's arrived

1938

01:09:36,709 --> 01:09:35,279

any man who knows his salami is that

1939

01:09:39,269 --> 01:09:36,719

well as a friend of mine well look at

1940

01:09:41,829 --> 01:09:39,279

that yeah um i agree

1941

01:09:43,189 --> 01:09:41,839

i concur and that interview got a run on

1942

01:09:45,189 --> 01:09:43,199

three platforms you would not normally

1943

01:09:46,630 --> 01:09:45,199

expect uh we got that on on the abc

1944

01:09:48,550 --> 01:09:46,640

normally uh we've got that on the

1945

01:09:50,070 --> 01:09:48,560

skeptic zone and no agenda around a

1946

01:09:52,229 --> 01:09:50,080

little bit of it as well

1947

01:09:53,829 --> 01:09:52,239

because they are very pr they're get

1948

01:09:56,630 --> 01:09:53,839

that they're they're for salami

1949

01:09:57,669 --> 01:09:56,640

deregulation and you see and uh and they

1950

01:09:59,510 --> 01:09:57,679

also they're interested in they

1951

01:10:01,510 --> 01:09:59,520

corrected me that fluoride is not a mind

1952

01:10:03,350 --> 01:10:01,520

control drug it is in fact uh it just

1953

01:10:04,950 --> 01:10:03,360

makes you docile

1954

01:10:07,030 --> 01:10:04,960

must apologize to everyone for getting

1955

01:10:08,630 --> 01:10:07,040

that incorrect how do you take fluoride

1956

01:10:11,510 --> 01:10:08,640

so it makes your docile you just drink

1957

01:10:13,189 --> 01:10:11,520

the water without filtering it

1958

01:10:18,390 --> 01:10:13,199

i'm gonna be drinking something else i'm

1959

01:10:20,870 --> 01:10:19,910

i'll write that down it's called a soft

1960

01:10:22,950 --> 01:10:20,880

drink

1961

01:10:25,189 --> 01:10:22,960

and uh james and just one more last

1962

01:10:27,590 --> 01:10:25,199

thing um a lot of people know skeptic

1963

01:10:29,110 --> 01:10:27,600

bros the guys behind the placebo bands

1964

01:10:30,870 --> 01:10:29,120

well they've started doing a lot more

1965

01:10:32,470 --> 01:10:30,880

blogging on the website and they've also

1966

01:10:34,149 --> 01:10:32,480

hired a couple more brothers to join

1967

01:10:35,590 --> 01:10:34,159

them as well really so if you check out

1968

01:10:36,950 --> 01:10:35,600

their website there'll be a lot more

1969

01:10:38,229 --> 01:10:36,960

blog posts there while you're waiting

1970

01:10:40,669 --> 01:10:38,239

for some more placebo bands to be

1971

01:10:42,550 --> 01:10:40,679

ordered and sent out

1972

01:10:44,149 --> 01:10:42,560

skepticbros.com ladies and gentlemen

1973

01:10:46,390 --> 01:10:44,159

skepticpros.com

1974

01:10:47,750 --> 01:10:46,400

make it your next site you visit and if

1975

01:10:49,350 --> 01:10:47,760

you and you've got any questions for the

1976

01:10:50,870 --> 01:10:49,360

mysterious universe guys when i talk to

1977

01:10:52,229 --> 01:10:50,880

them just send them in here

1978

01:10:53,830 --> 01:10:52,239

i'd like to thank everybody for coming

1979

01:10:55,669 --> 01:10:53,840

along here tonight to our favorite club

1980

01:10:57,990 --> 01:10:55,679

down the street especially to travis roy

1981

01:11:00,950 --> 01:10:58,000

who's made it all the way here from new

1982

01:11:04,709 --> 01:11:00,960

hampshire yeah yeah

1983

01:11:09,350 --> 01:11:06,790

i'd like to thank james for coming along

1984

01:11:10,870 --> 01:11:09,360

thanks everyone and maynard

1985

01:11:14,390 --> 01:11:10,880

thank you very much i've got my fighting

1986

01:11:16,550 --> 01:11:14,400

trousers on now your pajama jeeps

1987

01:11:18,070 --> 01:11:16,560

i'm going home to put on my snuggie and

1988

01:11:20,709 --> 01:11:18,080

your and your pyjama jeans at the same

1989

01:11:23,910 --> 01:11:20,719

time yes and my those pants things are i

1990

01:11:49,350 --> 01:11:23,920

don't know what they're called whatever

1991

01:11:55,270 --> 01:11:52,870

on friday the 11th of march 2011 joined

1992

01:11:56,229 --> 01:11:55,280

the canberra skeptics as they present a

1993

01:11:59,910 --> 01:11:56,239

lecture

1994

01:12:02,149 --> 01:11:59,920

vaccines in peril by ken mcLeod

1995

01:12:04,070 --> 01:12:02,159

this will be held at the lecture theater

1996

01:12:07,350 --> 01:12:04,080

innovations building

1997

01:12:08,550 --> 01:12:07,360

australian national university for more

1998

01:12:10,470 --> 01:12:08,560

information

1999

01:12:14,070 --> 01:12:10,480

head to meetup.com

2000

01:12:16,310 --> 01:12:14,080

social skeptics canberra

2001

01:12:18,470 --> 01:12:16,320

the melbourne skeptics is an exciting

2002

01:12:21,189 --> 01:12:18,480

new initiative aiming to promote

2003

01:12:24,149 --> 01:12:21,199

critical thinking and skeptical activism

2004

01:12:26,470 --> 01:12:24,159

in melbourne across australia and around

2005

01:12:28,310 --> 01:12:26,480

the globe their official launch party

2006

01:12:31,270 --> 01:12:28,320

will be happening at the inaugural

2007

01:12:34,790 --> 01:12:31,280

skeptics in the pub meeting 6 30 pm on

2008

01:12:38,390 --> 01:12:34,800

monday january 31st at the james squire

2009

01:12:40,229 --> 01:12:38,400

brew house in waterfront city docklands

2010

01:12:42,149 --> 01:12:40,239

following that they'll be coordinating

2011

01:12:45,590 --> 01:12:42,159

the melbourne contingent for the

2012

01:12:46,470 --> 01:12:45,600

worldwide 1023 campaign on february the

2013

01:12:47,990 --> 01:12:46,480

fifth

2014

01:12:48,709 --> 01:12:48,000

you can read more about melbourne

2015

01:12:53,830 --> 01:12:48,719

skeptics at www

2016

01:12:57,830 --> 01:12:56,070

or find them on twitter

2017

01:13:12,310 --> 01:12:57,840

at melb

2018

01:13:16,229 --> 01:13:14,550

you know richie when i was about i don't

2019

01:13:18,390 --> 01:13:16,239

know six i actually believed in

2020

01:13:21,030 --> 01:13:18,400

astrology really yeah someone told me i

2021

01:13:23,270 --> 01:13:21,040

was an aquarius and i i i took the whole

2022

01:13:25,830 --> 01:13:23,280

thing in i i took on the identity and

2023

01:13:27,669 --> 01:13:25,840

everything so you know i was astounded

2024

01:13:29,189 --> 01:13:27,679

wasn't that an interesting interview

2025

01:13:32,870 --> 01:13:29,199

yeah to find that someone still believes

2026

01:13:36,950 --> 01:13:34,790

you're going to write into the comments

2027

01:13:39,189 --> 01:13:36,960

page and then uh well look at her

2028

01:13:42,630 --> 01:13:39,199

arguments and give us uh some opinions

2029

01:13:45,350 --> 01:13:42,640

there i think there's nothing wrong with

2030

01:13:47,110 --> 01:13:45,360

dissecting it and pulling it apart and

2031

01:13:49,030 --> 01:13:47,120

stitching it all back up together back

2032

01:13:50,790 --> 01:13:49,040

up together again in a frankenstein kind

2033

01:13:52,709 --> 01:13:50,800

of way i think i think that's absolutely

2034

01:13:55,750 --> 01:13:52,719

right and as i said in the think tank as

2035

01:13:59,430 --> 01:13:55,760

long as the cons the your comments are

2036

01:14:00,630 --> 01:13:59,440

polite but straight forward then they'll

2037

01:14:02,070 --> 01:14:00,640

get a go yeah

2038

01:14:04,070 --> 01:14:02,080

yeah we want intelligent discourse i

2039

01:14:06,630 --> 01:14:04,080

mean it's it one thing about this it's

2040

01:14:08,709 --> 01:14:06,640

easy for both sides of any debate or any

2041

01:14:11,030 --> 01:14:08,719

sort of uh perspective just to sort of

2042

01:14:12,870 --> 01:14:11,040

bag each other and that but we actually

2043

01:14:15,350 --> 01:14:12,880

want like intelligent debate and

2044

01:14:17,830 --> 01:14:15,360

discussion and and actually part of the

2045

01:14:20,630 --> 01:14:17,840

whole skeptic um philosophy is to is to

2046

01:14:23,910 --> 01:14:20,640

try and actually tease it out and come

2047

01:14:25,910 --> 01:14:23,920

up with really good convincing arguments

2048

01:14:27,669 --> 01:14:25,920

to dispel some of these things so yeah

2049

01:14:29,750 --> 01:14:27,679

if you really if you think oh that's

2050

01:14:30,870 --> 01:14:29,760

just a whole lot of croc well we want to

2051

01:14:33,110 --> 01:14:30,880

say well

2052

01:14:35,510 --> 01:14:33,120

can can you explain it to someone so

2053

01:14:37,270 --> 01:14:35,520

they may actually change their mind as i

2054

01:14:38,870 --> 01:14:37,280

did when i was six years old that's

2055

01:14:41,430 --> 01:14:38,880

right which was just my mum's going

2056

01:14:43,110 --> 01:14:41,440

don't be stupid

2057

01:14:44,630 --> 01:14:43,120

but now another great show richard you

2058

01:14:46,310 --> 01:14:44,640

should be proud of yourself oh thank you

2059

01:14:49,350 --> 01:14:46,320

stefan and thank you to listeners who

2060

01:14:51,990 --> 01:14:49,360

are signing up in droves to our

2061

01:14:53,350 --> 01:14:52,000

newsletter oh yeah that's right we got a

2062

01:14:55,990 --> 01:14:53,360

new newsletter haven't we newsletter

2063

01:14:57,990 --> 01:14:56,000

yeah but via skepticzone.tv extra bits

2064

01:14:59,510 --> 01:14:58,000
of information to do with the show and

2065

01:15:01,750 --> 01:14:59,520
thank you to everybody i'm i'm always

2066

01:15:03,990 --> 01:15:01,760
thanking people for helping to chip in

2067

01:15:05,750 --> 01:15:04,000
for a new microphone for dr raichi we're

2068

01:15:08,630 --> 01:15:05,760
going to be going out to buy one pretty

2069

01:15:10,709 --> 01:15:08,640
soon well uh yeah we look it is a bit of

2070

01:15:13,350 --> 01:15:10,719
a sort of a labor of love around here so

2071

01:15:15,110 --> 01:15:13,360
any help at all helps helps the quality

2072

01:15:16,709 --> 01:15:15,120
helps the whole skeptical thing so yeah

2073

01:15:18,870 --> 01:15:16,719
we're really happy and helps us by

2074

01:15:21,030 --> 01:15:18,880
generate mama wong's where we record the

2075

01:15:23,590 --> 01:15:21,040
skeptic the think tank

2076

01:15:25,990 --> 01:15:23,600

oh yummy yummy all right well richard

2077

01:15:27,590 --> 01:15:26,000

another great one thanks dad i hope to

2078

01:15:30,149 --> 01:15:27,600

come back more often this year i mean

2079

01:15:32,229 --> 01:15:30,159

yeah i'm back working hard again but uh

2080

01:15:33,510 --> 01:15:32,239

but i i've taken the weekends off now so

2081

01:15:35,830 --> 01:15:33,520

i'm going to spend more time being

2082

01:15:39,510 --> 01:15:35,840

skeptical we want more of dr stefan oh

2083

01:15:46,709 --> 01:15:39,520

yeah and more theme songs that's right

2084

01:15:50,390 --> 01:15:48,390

you've been listening to the skeptic

2085

01:15:53,830 --> 01:15:50,400

zone visit our website at www