

1  
00:00:00,469 --> 00:00:07,080  
our stralla gist have said for years

2  
00:00:03,240 --> 00:00:09,719  
that Jupiter influences our lives but we

3  
00:00:07,080 --> 00:00:12,719  
now have scientific evidence that this

4  
00:00:09,718 --> 00:00:16,550  
mighty planet does have a significant

5  
00:00:12,718 --> 00:00:19,350  
connection with our own small world a

6  
00:00:16,550 --> 00:00:22,769  
Jupiter is so different to our planet

7  
00:00:19,350 --> 00:00:25,500  
yeah big ball of gas half a billion

8  
00:00:22,768 --> 00:00:27,059  
kilometers away it's difficult to see

9  
00:00:25,500 --> 00:00:31,589  
how it could have anything to do with us

10  
00:00:27,059 --> 00:00:34,409  
all but despite the fact that astrology

11  
00:00:31,589 --> 00:00:36,929  
is a load of rubbish Jupiter can in fact

12  
00:00:34,409 --> 00:00:40,738  
have a profound influence on our planet

13  
00:00:36,929 --> 00:00:43,679  
and it's through a force that wealth

14  
00:00:40,738 --> 00:00:52,859  
surrounds us and penetrates us and binds

15  
00:00:43,679 --> 00:00:55,140  
the Galaxy together gravity welcome to

16  
00:00:52,859 --> 00:00:59,479  
the skeptic zone the podcast from

17  
00:00:55,140 --> 00:00:59,480  
Australia for science and reason

18  
00:01:01,128 --> 00:01:14,728  
yuria hosts Richard Saunders and Stefan

19  
00:01:04,948 --> 00:01:17,030  
psycho well Richard long time no see hey

20  
00:01:14,728 --> 00:01:19,469  
Stefan hey how are you hey look um

21  
00:01:17,030 --> 00:01:21,359  
thanks for the new music to the show

22  
00:01:19,469 --> 00:01:23,759  
we're trying it out ah did you like it

23  
00:01:21,359 --> 00:01:27,149  
did you I like it a lot I don't know if

24  
00:01:23,759 --> 00:01:28,799  
we will use it it's good to have a

25  
00:01:27,149 --> 00:01:31,409  
change well as I thought I'd do a bit of

26  
00:01:28,799 --> 00:01:34,319  
a remix been revamp bit of electronica

27  
00:01:31,409 --> 00:01:35,399  
there's a yeah yeah it's kind of ok you

28  
00:01:34,319 --> 00:01:36,990  
know there's thousands of people around

29

00:01:35,399 --> 00:01:38,849  
the planet now I've started to see the

30  
00:01:36,989 --> 00:01:41,849  
zone gone what what the hell's going on

31  
00:01:38,849 --> 00:01:46,169  
under there theme song yeah yeah it's

32  
00:01:41,849 --> 00:01:48,509  
all happening it's show 119 no way years

33  
00:01:46,170 --> 00:01:50,009  
way oh that's crazy it's been so long

34  
00:01:48,509 --> 00:01:51,868  
since we caught up because of course

35  
00:01:50,009 --> 00:01:55,978  
after the big the big Tim I've actually

36  
00:01:51,868 --> 00:01:58,079  
got ptd you get up what I've got I've

37  
00:01:55,978 --> 00:01:59,939  
got post town depression ah that was

38  
00:01:58,079 --> 00:02:03,569  
that was the highlight of my entire life

39  
00:01:59,939 --> 00:02:05,280  
was it was and ever since then I've just

40  
00:02:03,569 --> 00:02:07,709  
been down in the dumps cuz this is

41  
00:02:05,280 --> 00:02:09,118  
nothing can match it no no no that's

42  
00:02:07,709 --> 00:02:11,789  
terrible don't worry there's another

43  
00:02:09,118 --> 00:02:14,159

team coming up in Las Vegas oh yeah

44

00:02:11,789 --> 00:02:16,289

right if I gotta make that one yeah I

45

00:02:14,159 --> 00:02:19,139

hate I might have to try I'm a deep

46

00:02:16,289 --> 00:02:21,150

fight i'm addicted to town and it's it's

47

00:02:19,139 --> 00:02:24,869

happening you have to go Las Vegas tam 9

48

00:02:21,150 --> 00:02:27,120

in July Wow now once but it was huge

49

00:02:24,870 --> 00:02:29,519

wasn't it was yes I'm still coming down

50

00:02:27,120 --> 00:02:30,840

off a day hey it's been a while since we

51

00:02:29,519 --> 00:02:32,550

caught up you been overseas and

52

00:02:30,840 --> 00:02:33,719

everything I know everyone else knows

53

00:02:32,550 --> 00:02:35,819

that but I haven't seen you for years

54

00:02:33,719 --> 00:02:37,439

it's been a while now I had a great time

55

00:02:35,818 --> 00:02:39,299

in San Francisco is that the zone

56

00:02:37,439 --> 00:02:41,310

listeners would know interviewing some

57

00:02:39,300 --> 00:02:44,310

good skeptics over there and having some

58  
00:02:41,310 --> 00:02:46,800  
good times back now back into it and you

59  
00:02:44,310 --> 00:02:48,719  
know what we've got a pretty interesting

60  
00:02:46,800 --> 00:02:51,269  
show coming up one that's going to cause

61  
00:02:48,719 --> 00:02:53,759  
a lot of controversy who is that right

62  
00:02:51,269 --> 00:02:55,830  
why are we attacking this time well

63  
00:02:53,759 --> 00:02:58,199  
that's a good question we're going to

64  
00:02:55,830 --> 00:03:00,840  
look to the Stars and we're going to

65  
00:02:58,199 --> 00:03:02,549  
look at our horoscopes this week another

66  
00:03:00,840 --> 00:03:06,330  
you have to be in a bit of cosmology

67  
00:03:02,550 --> 00:03:09,090  
well that too a bit later but we got to

68  
00:03:06,330 --> 00:03:11,300  
kick off Maynard's interviewing a very

69  
00:03:09,090 --> 00:03:13,520  
famous astrologer

70  
00:03:11,300 --> 00:03:16,640  
and she's going to put her case for the

71  
00:03:13,520 --> 00:03:18,860  
value and worth of of astrology and of

72  
00:03:16,639 --> 00:03:20,719  
course it has got a lot of worth I mean

73  
00:03:18,860 --> 00:03:23,390  
it turns over billions well that's true

74  
00:03:20,719 --> 00:03:25,430  
that if you put it that way that's right

75  
00:03:23,389 --> 00:03:27,049  
another fascinating interview a

76  
00:03:25,430 --> 00:03:29,030  
fascinating look into the mind of

77  
00:03:27,050 --> 00:03:31,280  
someone who believes in astrology and

78  
00:03:29,030 --> 00:03:32,930  
we're going to discuss it a bit later on

79  
00:03:31,280 --> 00:03:35,590  
a think tank but basically I want

80  
00:03:32,930 --> 00:03:37,909  
everybody to have a listen and then

81  
00:03:35,590 --> 00:03:39,680  
really right in and let us know what you

82  
00:03:37,909 --> 00:03:42,409  
think but we'll get to that more a bit

83  
00:03:39,680 --> 00:03:44,000  
later yeah be nicer well look I guess if

84  
00:03:42,409 --> 00:03:45,740  
she's willing to put it out there just

85  
00:03:44,000 --> 00:03:48,620  
lay it lay our cards on the delay her

86

00:03:45,740 --> 00:03:50,510  
tarot cards on the table then you know I

87  
00:03:48,620 --> 00:03:52,430  
think it's it's all fair and square for

88  
00:03:50,509 --> 00:03:55,729  
everyone to kind of church i'm back in

89  
00:03:52,430 --> 00:03:57,439  
and have a bit of a comment yeah so what

90  
00:03:55,729 --> 00:03:59,269  
else we got well following that we're

91  
00:03:57,439 --> 00:04:00,530  
going to look at the mirror mode baby

92  
00:03:59,270 --> 00:04:02,600  
we're going to put our feet a little bit

93  
00:04:00,530 --> 00:04:04,969  
more on the ground but look to the Stars

94  
00:04:02,599 --> 00:04:08,719  
this time we're looking at the

95  
00:04:04,969 --> 00:04:10,789  
restoration of a very famous telescope

96  
00:04:08,719 --> 00:04:13,039  
that got completely trashed in those

97  
00:04:10,789 --> 00:04:16,608  
terrible fires in Canberra few years ago

98  
00:04:13,039 --> 00:04:18,108  
on oh yeah oh it's an historic telescope

99  
00:04:16,608 --> 00:04:21,168  
it was one of the biggest in the world

100  
00:04:18,108 --> 00:04:23,060

in its day used to be in Melbourne got

101

00:04:21,168 --> 00:04:24,889

burnt to the ground but now it's being

102

00:04:23,060 --> 00:04:28,069

put back together completely restored

103

00:04:24,889 --> 00:04:29,719

yep Wow so and so what did you go there

104

00:04:28,069 --> 00:04:32,329

and check it out everything I did I went

105

00:04:29,720 --> 00:04:35,390

to a secret location in Melbourne and

106

00:04:32,329 --> 00:04:38,389

really is a secret location and saw

107

00:04:35,389 --> 00:04:39,740

these guys slowly painstakingly putting

108

00:04:38,389 --> 00:04:42,110

back the telescope what's with the

109

00:04:39,740 --> 00:04:43,699

secrecy is it is a really delicate work

110

00:04:42,110 --> 00:04:44,960

or something that's delicate work and

111

00:04:43,699 --> 00:04:48,620

it's housed in a place with a lot of

112

00:04:44,959 --> 00:04:51,589

national treasures mmm but like Indiana

113

00:04:48,620 --> 00:04:52,879

Jones it was alright and what else we

114

00:04:51,589 --> 00:04:54,709

got we got the old think tank coming up

115  
00:04:52,879 --> 00:04:56,449  
we got we got the think tank after that

116  
00:04:54,709 --> 00:04:58,269  
we're a bit of a chat around some of the

117  
00:04:56,449 --> 00:05:00,469  
skeptical issues of the day and

118  
00:04:58,269 --> 00:05:02,959  
somewhere in the shows a brief interview

119  
00:05:00,470 --> 00:05:04,669  
I was on Sydney radio 2 GB with our good

120  
00:05:02,959 --> 00:05:07,029  
friend Glenn wheeler a debrief

121  
00:05:04,668 --> 00:05:10,039  
discussions about psychic predictions ah

122  
00:05:07,029 --> 00:05:11,539  
you're becoming a real media hound

123  
00:05:10,040 --> 00:05:13,819  
aren't you here you're just you're

124  
00:05:11,540 --> 00:05:15,740  
everywhere everywhere well I ring him up

125  
00:05:13,819 --> 00:05:17,629  
and say why I on no they don't know they

126  
00:05:15,740 --> 00:05:19,129  
come to me which is very I you know why

127  
00:05:17,629 --> 00:05:21,079  
because they listen to the skeptic side

128  
00:05:19,129 --> 00:05:21,689  
I do they listen to the skeptic zone I

129  
00:05:21,079 --> 00:05:23,758  
think

130  
00:05:21,689 --> 00:05:27,199  
maybe two so let's get straight into it

131  
00:05:23,759 --> 00:05:27,199  
let's go alrighty

132  
00:05:37,800 --> 00:05:44,689  
here's Maynard spooky action at a

133  
00:05:42,509 --> 00:05:44,689  
distance

134  
00:05:47,180 --> 00:05:53,160  
well the biggest Roger flapped the big

135  
00:05:50,279 --> 00:05:54,750  
BBC astrologer flap of 2011 has gone up

136  
00:05:53,160 --> 00:05:56,130  
I mean you may think that you know UFO

137  
00:05:54,750 --> 00:05:58,019  
sightings over the White House for big

138  
00:05:56,129 --> 00:06:00,209  
in the 50s that's nothing Jessica Adams

139  
00:05:58,019 --> 00:06:02,279  
is an angry astrologer and you don't

140  
00:06:00,209 --> 00:06:04,529  
want them angry Jessica Adams welcome

141  
00:06:02,279 --> 00:06:06,359  
thank you so much before we get into the

142  
00:06:04,529 --> 00:06:08,819  
big flap what is your qualifications as

143

00:06:06,360 --> 00:06:10,740  
an astrologer I did a degree you know

144  
00:06:08,819 --> 00:06:13,110  
arts degree as we all did you know in

145  
00:06:10,740 --> 00:06:15,180  
Tasmania and I did one in in religious

146  
00:06:13,110 --> 00:06:17,220  
studies and ancient civilizations which

147  
00:06:15,180 --> 00:06:18,689  
was a brilliant grounding for for what I

148  
00:06:17,220 --> 00:06:21,120  
was to do later and then I picked up

149  
00:06:18,689 --> 00:06:22,649  
philosophy I did a bunch of courses on

150  
00:06:21,120 --> 00:06:24,689  
astrology later on but i think that

151  
00:06:22,649 --> 00:06:27,089  
grounding somewhere between philosophy

152  
00:06:24,689 --> 00:06:28,918  
and religious studies you've got

153  
00:06:27,089 --> 00:06:30,810  
astrology but you don't just completely

154  
00:06:28,918 --> 00:06:32,279  
rely on what you see in the stars and

155  
00:06:30,810 --> 00:06:33,839  
the charts on the signs you've got a bit

156  
00:06:32,279 --> 00:06:36,779  
of a psychic action going on sometimes

157  
00:06:33,839 --> 00:06:39,359

yeah a psychic so I use that when I look

158

00:06:36,779 --> 00:06:40,619

at the charts p and you have spirit

159

00:06:39,360 --> 00:06:42,509

guides and i've always found this

160

00:06:40,620 --> 00:06:45,418

unusual whenever i interview you it

161

00:06:42,509 --> 00:06:47,129

always seems to me a spirit died to the

162

00:06:45,418 --> 00:06:51,299

normal person is indistinguishable from

163

00:06:47,129 --> 00:06:53,009

a an actual talking delusion very

164

00:06:51,300 --> 00:06:54,960

insulted for you to say that oh no i'm

165

00:06:53,009 --> 00:06:56,939

not so well about suddenly like a

166

00:06:54,959 --> 00:06:58,259

Chinaman turns up and starts talking to

167

00:06:56,939 --> 00:06:59,399

you that would be really alarming if

168

00:06:58,259 --> 00:07:01,529

that happened while I was watching TV

169

00:06:59,399 --> 00:07:03,000

well if you were watching TV I can

170

00:07:01,529 --> 00:07:05,250

understand it I don't even have a TV

171

00:07:03,000 --> 00:07:07,589

it's so negative I love it when my guide

172  
00:07:05,250 --> 00:07:09,360  
speaks to me which one works best which

173  
00:07:07,589 --> 00:07:11,099  
guide you normally find works best

174  
00:07:09,360 --> 00:07:13,680  
there's an older Chinaman that you

175  
00:07:11,100 --> 00:07:15,660  
talked to sometimes fun Lee yeah my

176  
00:07:13,680 --> 00:07:17,790  
gatekeeper is wrongly and he keeps out

177  
00:07:15,660 --> 00:07:20,880  
all the random traffic but I work with

178  
00:07:17,790 --> 00:07:23,220  
Lee and also other guides who you know

179  
00:07:20,879 --> 00:07:24,930  
coming from time to time for armed the

180  
00:07:23,220 --> 00:07:26,100  
more scientifically grounded members of

181  
00:07:24,930 --> 00:07:27,930  
our listeners they're going to find that

182  
00:07:26,100 --> 00:07:29,879  
kind of strange because that's like wow

183  
00:07:27,930 --> 00:07:31,410  
that's it will completely treat them out

184  
00:07:29,879 --> 00:07:33,449  
unless they're familiar with quantum

185  
00:07:31,410 --> 00:07:36,600  
physics and the strangeness of quark I

186  
00:07:33,449 --> 00:07:38,969  
mean really in quantum you've got very

187  
00:07:36,600 --> 00:07:40,620  
tiny objects popping up and disappearing

188  
00:07:38,970 --> 00:07:42,030  
all over the place and you move in a

189  
00:07:40,620 --> 00:07:44,668  
world where there are infinite realities

190  
00:07:42,029 --> 00:07:46,589  
and parallel universes so why they think

191  
00:07:44,668 --> 00:07:48,478  
that what we do is strange compared to

192  
00:07:46,589 --> 00:07:51,989  
that I have no idea and what does may

193  
00:07:48,478 --> 00:07:54,149  
use so angry with the BBC BBC television

194  
00:07:51,990 --> 00:07:56,280  
has recently put out well more than one

195  
00:07:54,149 --> 00:07:57,870  
program really on the national

196  
00:07:56,279 --> 00:07:59,968  
broadcaster here in England where I'm

197  
00:07:57,870 --> 00:08:02,699  
speaking to you which basically

198  
00:07:59,968 --> 00:08:05,699  
I just with no objective reasoning or

199  
00:08:02,699 --> 00:08:08,459  
backup or support scientifically labels

200

00:08:05,699 --> 00:08:11,399  
astrology is rubbish as border dash you

201  
00:08:08,459 --> 00:08:13,499  
know as fairy floss and if you've been

202  
00:08:11,399 --> 00:08:15,569  
studying it for as long as we have and

203  
00:08:13,499 --> 00:08:17,459  
if there are as many millions of people

204  
00:08:15,569 --> 00:08:19,829  
who love it as we do we find that quite

205  
00:08:17,459 --> 00:08:21,809  
offensive very rare for this car thing

206  
00:08:19,829 --> 00:08:23,610  
to happen it is because all of them have

207  
00:08:21,809 --> 00:08:25,829  
a different different orbital length

208  
00:08:23,610 --> 00:08:27,269  
this is you know only only the earth

209  
00:08:25,829 --> 00:08:29,338  
goes around in one year and comes back

210  
00:08:27,269 --> 00:08:31,199  
to the same spot horoscopes that's all

211  
00:08:29,338 --> 00:08:32,879  
nonsense we are happy to say this now

212  
00:08:31,199 --> 00:08:34,649  
once and for all that's all rubbish

213  
00:08:32,879 --> 00:08:35,788  
right astrology it is a planet or in

214  
00:08:34,649 --> 00:08:37,979

different places are different and in

215

00:08:35,788 --> 00:08:40,078

the interests of balance because we're

216

00:08:37,979 --> 00:08:42,209

on the BBC I should say that indeed Dara

217

00:08:40,078 --> 00:08:44,309

is right astrology is it's not that's

218

00:08:42,208 --> 00:08:46,679

enough insight isn't the burden of proof

219

00:08:44,309 --> 00:08:49,619

on astrology to prove that it does work

220

00:08:46,679 --> 00:08:52,109

no the burden of proof is on skeptics

221

00:08:49,620 --> 00:08:54,000

and cynics to give us evidence that

222

00:08:52,110 --> 00:08:56,519

would dissuade the millions of people

223

00:08:54,000 --> 00:08:59,188

who believe in it to go the other way

224

00:08:56,519 --> 00:09:01,350

the usual one that is used is that if

225

00:08:59,188 --> 00:09:02,909

people believe that a reading is for

226

00:09:01,350 --> 00:09:04,680

them you could give that reading to

227

00:09:02,909 --> 00:09:06,659

anyone and they consider to themselves

228

00:09:04,679 --> 00:09:08,250

that's of that mentioned number of times

229  
00:09:06,659 --> 00:09:10,230  
they'll play the invention that last

230  
00:09:08,250 --> 00:09:11,818  
week what do you think of that there is

231  
00:09:10,230 --> 00:09:14,100  
some astrology which is that what they

232  
00:09:11,818 --> 00:09:16,588  
call the Barnum's effects the old sort

233  
00:09:14,100 --> 00:09:18,689  
of Victorian circus roll up roll up come

234  
00:09:16,589 --> 00:09:20,160  
one come all there is some astrology

235  
00:09:18,688 --> 00:09:22,259  
which you see which I would classify as

236  
00:09:20,159 --> 00:09:24,000  
bad astrology which is so vague and

237  
00:09:22,259 --> 00:09:25,680  
generalized but it could be anything to

238  
00:09:24,000 --> 00:09:27,568  
anyone but oh there are plenty of good

239  
00:09:25,679 --> 00:09:29,188  
astrologers out there so quite specific

240  
00:09:27,568 --> 00:09:30,750  
I'm just going to play a grab now from

241  
00:09:29,188 --> 00:09:33,149  
the atheist experience and they don't

242  
00:09:30,750 --> 00:09:34,980  
normally deal with astrology at all but

243  
00:09:33,149 --> 00:09:35,938  
they are skeptics and even they waited

244  
00:09:34,980 --> 00:09:37,889  
on this will just have a listen to what

245  
00:09:35,938 --> 00:09:40,980  
they had to say just last week on the

246  
00:09:37,889 --> 00:09:43,558  
atheist experience podcast this isn't

247  
00:09:40,980 --> 00:09:45,149  
news most astrologers use the tropical

248  
00:09:43,558 --> 00:09:47,789  
zodiac instead of the society real

249  
00:09:45,149 --> 00:09:50,938  
Zodiac and it's the sidereal one that's

250  
00:09:47,789 --> 00:09:52,799  
been affected by this so it's it doesn't

251  
00:09:50,938 --> 00:09:54,659  
affect it not to mention the fact that

252  
00:09:52,799 --> 00:09:55,799  
of course this is all nonsense and the

253  
00:09:54,659 --> 00:09:58,528  
first we're going to ask if you were

254  
00:09:55,799 --> 00:10:00,808  
defending a no no I'm just saying that

255  
00:09:58,528 --> 00:10:02,669  
this is a prime example of the news

256  
00:10:00,808 --> 00:10:03,958  
reporting something that isn't news and

257

00:10:02,669 --> 00:10:05,308  
a bunch of people who have no idea what

258  
00:10:03,958 --> 00:10:07,049  
they're talking about spinning it up

259  
00:10:05,308 --> 00:10:08,818  
into even more than it is and it's

260  
00:10:07,049 --> 00:10:11,698  
particularly ironic because even if it

261  
00:10:08,818 --> 00:10:13,528  
did impact something if it did impact

262  
00:10:11,698 --> 00:10:16,019  
astrology astrology is

263  
00:10:13,528 --> 00:10:17,399  
such a load of horse manure how and why

264  
00:10:16,019 --> 00:10:18,240  
people buy into this it's the same

265  
00:10:17,399 --> 00:10:20,370  
reason that they're going to buy

266  
00:10:18,240 --> 00:10:22,499  
anything else something happens oh that

267  
00:10:20,370 --> 00:10:25,049  
couldn't be a coincidence and they we

268  
00:10:22,499 --> 00:10:26,670  
are pattern seekers as long as long as

269  
00:10:25,049 --> 00:10:29,998  
they're initially convinced that this

270  
00:10:26,669 --> 00:10:31,769  
was specifically prepared for them even

271  
00:10:29,999 --> 00:10:33,659

they are confused that this is an issue

272

00:10:31,769 --> 00:10:34,828  
because they're not a fan of astrology

273

00:10:33,659 --> 00:10:37,019  
but they don't know why it suddenly

274

00:10:34,828 --> 00:10:38,638  
become a flap it's all about procession

275

00:10:37,019 --> 00:10:40,948  
is that correct yeah the precession of

276

00:10:38,639 --> 00:10:43,409  
the equinoxes explain that to us non

277

00:10:40,948 --> 00:10:45,929  
astronomer or astrology people it's what

278

00:10:43,409 --> 00:10:48,208  
you would expect that over the millennia

279

00:10:45,929 --> 00:10:50,789  
since astrology was a belief system that

280

00:10:48,208 --> 00:10:53,068  
the earth has slightly tilted each time

281

00:10:50,789 --> 00:10:54,990  
so that the constellations are now in

282

00:10:53,068 --> 00:10:58,110  
different places in position for the Sun

283

00:10:54,990 --> 00:11:00,299  
where they were about 2,000 years ago so

284

00:10:58,110 --> 00:11:02,579  
in old-school thinking if you were an

285

00:11:00,299 --> 00:11:04,799  
Aquarian you are now the sign next along

286  
00:11:02,578 --> 00:11:07,019  
is that the case or do you not use that

287  
00:11:04,799 --> 00:11:09,659  
version of the zodiac we don't use that

288  
00:11:07,019 --> 00:11:12,269  
very soon we don't use an astronomer sky

289  
00:11:09,659 --> 00:11:15,240  
we use a symbolic system of divination

290  
00:11:12,269 --> 00:11:17,159  
which is a symbolic way of thinking

291  
00:11:15,240 --> 00:11:19,079  
which bears no relationship to what they

292  
00:11:17,159 --> 00:11:20,698  
see through their telescope that's what

293  
00:11:19,078 --> 00:11:22,769  
Phil said last week he was saying how

294  
00:11:20,698 --> 00:11:24,599  
could distant suns and stars have any

295  
00:11:22,769 --> 00:11:26,220  
effect on you and you're born and that's

296  
00:11:24,600 --> 00:11:28,528  
what you're saying it doesn't actually

297  
00:11:26,220 --> 00:11:30,480  
do there is no effect I mean if there's

298  
00:11:28,528 --> 00:11:33,688  
a very famous criticism of astrology

299  
00:11:30,480 --> 00:11:35,938  
which is how could Pluto have any

300  
00:11:33,688 --> 00:11:38,669  
greater effect on using the Midwife in

301  
00:11:35,938 --> 00:11:40,198  
terms of physical contacts or or closest

302  
00:11:38,669 --> 00:11:42,088  
to you when you're a tiny baby being

303  
00:11:40,198 --> 00:11:44,609  
born the Midwife has a greater

304  
00:11:42,089 --> 00:11:46,829  
gravitational pull on you than Pluto but

305  
00:11:44,610 --> 00:11:49,438  
astrologers don't even argue that point

306  
00:11:46,828 --> 00:11:51,349  
our argument is that it's synchronicity

307  
00:11:49,438 --> 00:11:54,179  
there is a kind of weird cosmic

308  
00:11:51,350 --> 00:11:56,639  
conflagration or coincidence a kind of

309  
00:11:54,179 --> 00:11:59,159  
poetry and magic that connects heaven

310  
00:11:56,639 --> 00:12:00,808  
with earth off with that which has

311  
00:11:59,159 --> 00:12:03,240  
nothing to do with causation but

312  
00:12:00,808 --> 00:12:04,980  
everything to do with the coming

313  
00:12:03,240 --> 00:12:07,318  
together of similar events and

314

00:12:04,980 --> 00:12:09,449  
circumstances because it is pretty

315  
00:12:07,318 --> 00:12:11,610  
indistinguishable for magic that means

316  
00:12:09,448 --> 00:12:13,378  
it's very difficult to test Jessica it

317  
00:12:11,610 --> 00:12:16,289  
kind of is an economist and if you

318  
00:12:13,379 --> 00:12:18,028  
subjected to mass statistical testing it

319  
00:12:16,289 --> 00:12:20,549  
tends to fall down but if you're

320  
00:12:18,028 --> 00:12:23,399  
prepared to accept that the one White

321  
00:12:20,549 --> 00:12:25,708  
Swan argument you know or the one blue

322  
00:12:23,399 --> 00:12:27,009  
peacock or the one red peacock argument

323  
00:12:25,708 --> 00:12:29,139  
holds court

324  
00:12:27,009 --> 00:12:32,470  
then we have enough individual arguments

325  
00:12:29,139 --> 00:12:34,449  
of accuracy and quite striking accuracy

326  
00:12:32,470 --> 00:12:36,399  
to make you would have you would have

327  
00:12:34,450 --> 00:12:39,310  
hope the average thinking synacor

328  
00:12:36,399 --> 00:12:42,189

skeptic think so what do you want the

329

00:12:39,309 --> 00:12:44,739

BBC to do I think they should just give

330

00:12:42,190 --> 00:12:47,290

open slather to the other side and to

331

00:12:44,740 --> 00:12:49,090

stop allowing people to broadcast on

332

00:12:47,289 --> 00:12:51,759

prime time and so taxpayer-funded

333

00:12:49,090 --> 00:12:54,399

television station totals kind of

334

00:12:51,759 --> 00:12:56,049

ignorance abuse of something that you

335

00:12:54,399 --> 00:12:57,970

really shouldn't be abusing unless

336

00:12:56,049 --> 00:12:59,859

you're okay with it that's my main issue

337

00:12:57,970 --> 00:13:01,810

with it you'll become a bit of an

338

00:12:59,860 --> 00:13:03,909

activist astrologer a reason to have a

339

00:13:01,809 --> 00:13:06,099

new justice like all of us I guess I've

340

00:13:03,909 --> 00:13:07,389

been doing this since I was 20 20

341

00:13:06,100 --> 00:13:09,639

something years old I've been doing of

342

00:13:07,389 --> 00:13:12,100

20 years and it's my profession I'm I

343  
00:13:09,639 --> 00:13:14,919  
know that people get so much from it and

344  
00:13:12,100 --> 00:13:17,350  
I just get slightly annoyed when we

345  
00:13:14,919 --> 00:13:19,149  
become kind of target of the month to

346  
00:13:17,350 --> 00:13:21,550  
people who don't even really understand

347  
00:13:19,149 --> 00:13:23,379  
what we do that that's the opposite

348  
00:13:21,549 --> 00:13:25,329  
complete argument to what full plate was

349  
00:13:23,379 --> 00:13:26,620  
saying last week he was saying look get

350  
00:13:25,330 --> 00:13:28,389  
the astrology out of it because the

351  
00:13:26,620 --> 00:13:29,830  
astronomer is what's going on we know

352  
00:13:28,389 --> 00:13:31,899  
what's going up there are the heavens

353  
00:13:29,830 --> 00:13:34,240  
the astrologers are just making stuff up

354  
00:13:31,899 --> 00:13:36,549  
so it's a direct opposite argument yeah

355  
00:13:34,240 --> 00:13:38,919  
i think it's the extreme point of

356  
00:13:36,549 --> 00:13:41,109  
arrogance to presume that you should be

357  
00:13:38,919 --> 00:13:42,969  
able to control a television station or

358  
00:13:41,110 --> 00:13:45,909  
any other kind of national broadcast

359  
00:13:42,970 --> 00:13:47,710  
program like education in favor of a

360  
00:13:45,909 --> 00:13:49,779  
point of view there hasn't really been

361  
00:13:47,710 --> 00:13:52,120  
proven i always have an issue with

362  
00:13:49,779 --> 00:13:54,339  
criticism of astrology because it's not

363  
00:13:52,120 --> 00:13:56,169  
informed they don't actually understand

364  
00:13:54,340 --> 00:13:58,750  
what we do they don't know how it works

365  
00:13:56,169 --> 00:14:00,339  
they haven't spoken to many of us before

366  
00:13:58,750 --> 00:14:03,070  
they come out with these applications

367  
00:14:00,340 --> 00:14:04,780  
and the level of build and bile is just

368  
00:14:03,070 --> 00:14:07,150  
extraordinary I think part of the

369  
00:14:04,779 --> 00:14:09,459  
problem with the world of astrology is

370  
00:14:07,149 --> 00:14:11,769  
that every astrologer is very different

371

00:14:09,460 --> 00:14:13,810  
and has their own way of finding out

372  
00:14:11,769 --> 00:14:15,789  
what is going to go on is it right to

373  
00:14:13,809 --> 00:14:18,069  
say that completely right to say it and

374  
00:14:15,789 --> 00:14:19,689  
it's completely healthy you know we were

375  
00:14:18,070 --> 00:14:22,570  
never meant to be compressed into a

376  
00:14:19,690 --> 00:14:25,150  
great sausage machine of statistics the

377  
00:14:22,570 --> 00:14:26,710  
mystery and the magic miraculous quality

378  
00:14:25,149 --> 00:14:29,350  
of astrology is that it's the one of

379  
00:14:26,710 --> 00:14:31,120  
incident the one case just that lots of

380  
00:14:29,350 --> 00:14:33,490  
us do plenty of them in the in the

381  
00:14:31,120 --> 00:14:36,159  
course of a month work phil was uh so

382  
00:14:33,490 --> 00:14:37,330  
also saying last week people make stuff

383  
00:14:36,159 --> 00:14:38,559  
up about the universe all the time

384  
00:14:37,330 --> 00:14:39,850  
because I think they want to make it

385  
00:14:38,559 --> 00:14:41,708

more exciting but you

386

00:14:39,850 --> 00:14:43,180

need to once you learn about what's

387

00:14:41,708 --> 00:14:46,088

really out there and what's really going

388

00:14:43,179 --> 00:14:49,448

on there's enough Wonder and awe and

389

00:14:46,089 --> 00:14:51,130

majesty out there for anyone Shh what do

390

00:14:49,448 --> 00:14:53,828

you say to him I thought making stuff up

391

00:14:51,129 --> 00:14:55,480

I'd really like to know how just taking

392

00:14:53,828 --> 00:14:57,818

the last four weeks I managed to make

393

00:14:55,480 --> 00:14:59,709

predictions about news headlines a month

394

00:14:57,818 --> 00:15:01,990

before they happened i mean i have

395

00:14:59,708 --> 00:15:04,568

written novels in my time but I wasn't

396

00:15:01,990 --> 00:15:06,100

making it up i was using astrology how

397

00:15:04,568 --> 00:15:08,169

did it happen can he give me an

398

00:15:06,100 --> 00:15:09,899

explanation for that I mean he would say

399

00:15:08,169 --> 00:15:12,338

two incidents the coincidence

400  
00:15:09,899 --> 00:15:14,589  
synchronicity is the principle which

401  
00:15:12,339 --> 00:15:16,029  
astrology is founded and Jessica you've

402  
00:15:14,589 --> 00:15:17,470  
got your own podcast to you got the

403  
00:15:16,028 --> 00:15:19,448  
astrology podcast and you've got a

404  
00:15:17,470 --> 00:15:21,339  
pretty interesting guy you work with who

405  
00:15:19,448 --> 00:15:24,758  
a lot of people who are fans of the

406  
00:15:21,339 --> 00:15:26,889  
music industry in the 70s in England

407  
00:15:24,759 --> 00:15:30,068  
would know yeah now Spencer was the

408  
00:15:26,889 --> 00:15:32,379  
editor of enemy in 1977 the year that

409  
00:15:30,068 --> 00:15:34,000  
Punk broke in England and he was pretty

410  
00:15:32,379 --> 00:15:35,860  
much one of the first people to review

411  
00:15:34,000 --> 00:15:38,019  
the Sex Pistols and he's still a music

412  
00:15:35,860 --> 00:15:40,209  
writer today but he chose to become an

413  
00:15:38,019 --> 00:15:42,068  
astrologer too is it a bit like becoming

414  
00:15:40,208 --> 00:15:44,799  
a minister of religion I do actually

415  
00:15:42,068 --> 00:15:49,389  
choose choose to be an astrologer or do

416  
00:15:44,799 --> 00:15:51,008  
you get a calling I think everyone gets

417  
00:15:49,389 --> 00:15:52,360  
a calling because one day we're looking

418  
00:15:51,009 --> 00:15:54,310  
for an answer and they turn to an

419  
00:15:52,360 --> 00:15:56,379  
astrology book or an ephemeris which is

420  
00:15:54,309 --> 00:15:58,328  
our list of planetary positions and they

421  
00:15:56,379 --> 00:16:00,100  
find this answer and they you know it's

422  
00:15:58,328 --> 00:16:02,289  
all normal human beings do they go well

423  
00:16:00,100 --> 00:16:04,389  
well maybe I don't know and then they

424  
00:16:02,289 --> 00:16:06,219  
find to their amazement is absolutely

425  
00:16:04,389 --> 00:16:08,709  
bang-on and that's when you become

426  
00:16:06,220 --> 00:16:11,170  
you've got one foot over the divide well

427  
00:16:08,708 --> 00:16:12,758  
Jessica if people are for you or against

428

00:16:11,169 --> 00:16:14,379  
you where can they find you and you can

429  
00:16:12,759 --> 00:16:17,649  
engage them in conversation as long as

430  
00:16:14,379 --> 00:16:20,559  
they're polite politeness is key good

431  
00:16:17,649 --> 00:16:22,328  
manners rules if anybody wants to drop

432  
00:16:20,559 --> 00:16:24,129  
by and have a discussion they can go

433  
00:16:22,328 --> 00:16:26,859  
first of all to the astrology show on

434  
00:16:24,129 --> 00:16:28,539  
iTunes and cunin and then we have a blog

435  
00:16:26,860 --> 00:16:30,278  
and a website that that you'll hear

436  
00:16:28,539 --> 00:16:32,318  
advertised on that the audience you

437  
00:16:30,278 --> 00:16:33,850  
working out here is going man this this

438  
00:16:32,318 --> 00:16:36,219  
is just stuff that just is just made up

439  
00:16:33,850 --> 00:16:38,620  
it's not right it's just it can't be

440  
00:16:36,220 --> 00:16:40,600  
proven by the way why can't we prove it

441  
00:16:38,620 --> 00:16:42,399  
why can't we go okay these are the

442  
00:16:40,600 --> 00:16:43,839

winning numbers of the lottery this is

443

00:16:42,399 --> 00:16:45,519

what's going to happen on this day why

444

00:16:43,839 --> 00:16:47,800

can't we do that because the lottery

445

00:16:45,519 --> 00:16:50,259

would collapse and nobody wants that to

446

00:16:47,799 --> 00:16:53,069

happen when it comes to great numbers

447

00:16:50,259 --> 00:16:55,799

and math statistics about anything

448

00:16:53,070 --> 00:16:57,900

astrology tends to fail because it was

449

00:16:55,799 --> 00:16:59,519

never meant to be misused and abused and

450

00:16:57,899 --> 00:17:01,169

if it worked on a mass level like that

451

00:16:59,519 --> 00:17:02,759

are particularly financially it just

452

00:17:01,169 --> 00:17:04,529

wouldn't work but when it comes to the

453

00:17:02,759 --> 00:17:06,269

individual case it can be quite

454

00:17:04,529 --> 00:17:08,459

spectacular and what has been your most

455

00:17:06,269 --> 00:17:10,230

spectacular success prediction wise I

456

00:17:08,459 --> 00:17:12,720

suppose the most useful thing that I

457  
00:17:10,230 --> 00:17:15,209  
ever did was put into a book that came

458  
00:17:12,720 --> 00:17:18,088  
out a few years ago that anyone who had

459  
00:17:15,209 --> 00:17:20,549  
a pension should really around the year

460  
00:17:18,088 --> 00:17:22,740  
2008 start looking at where that pension

461  
00:17:20,549 --> 00:17:25,379  
was lodged because I could see Pluto

462  
00:17:22,740 --> 00:17:27,569  
going into Capricorn and a big global

463  
00:17:25,380 --> 00:17:29,910  
financial problem so I was worried about

464  
00:17:27,569 --> 00:17:31,319  
people's pensions so if anybody had a

465  
00:17:29,910 --> 00:17:33,029  
closer look at where this super was

466  
00:17:31,319 --> 00:17:34,799  
going around that year I'm very happy

467  
00:17:33,029 --> 00:17:36,599  
Jessica Adams thanks for talking to us

468  
00:17:34,799 --> 00:17:38,970  
we'll be keeping an eye on the on the

469  
00:17:36,599 --> 00:17:41,189  
biggest Roger flap and i'll give you

470  
00:17:38,970 --> 00:17:42,480  
last word the last message the skeptics

471  
00:17:41,190 --> 00:17:44,700  
out there that still are just not

472  
00:17:42,480 --> 00:17:47,069  
convinced about astrology at all if you

473  
00:17:44,700 --> 00:17:48,809  
open your mind and you try believing see

474  
00:17:47,069 --> 00:17:50,759  
what happens give it give it the

475  
00:17:48,809 --> 00:17:53,309  
suspension of disbelief or four weeks

476  
00:17:50,759 --> 00:17:55,230  
and report back and just you've actually

477  
00:17:53,309 --> 00:17:57,480  
got some scientific research people can

478  
00:17:55,230 --> 00:17:59,190  
do after the show yes you're curious

479  
00:17:57,480 --> 00:18:01,110  
about the quantum world and the

480  
00:17:59,190 --> 00:18:03,180  
strangeness of it but also the beauty

481  
00:18:01,109 --> 00:18:05,219  
and the charm of quantum as applied to

482  
00:18:03,180 --> 00:18:08,160  
your life then go and check out Fred

483  
00:18:05,220 --> 00:18:10,350  
Alan wolf who is at Fred Alan wolf calm

484  
00:18:08,160 --> 00:18:12,660  
he has fascinating views on the past the

485

00:18:10,349 --> 00:18:15,539  
present in the future and he uses

486  
00:18:12,660 --> 00:18:17,850  
quantum as a gateway to open your mind

487  
00:18:15,539 --> 00:18:21,269  
and open up your reality he's taken the

488  
00:18:17,849 --> 00:18:23,490  
logic of that many universe theory to

489  
00:18:21,269 --> 00:18:25,920  
the brink and applied it to your life

490  
00:18:23,490 --> 00:18:28,380  
which is very exciting and I think it's

491  
00:18:25,920 --> 00:18:30,600  
very liberating to look one thing I want

492  
00:18:28,380 --> 00:18:33,630  
to know tell me try and get into your

493  
00:18:30,599 --> 00:18:35,740  
spirit guide right now will will right

494  
00:18:33,630 --> 00:18:40,220  
said fred be big again

495  
00:18:35,740 --> 00:18:45,079  
Debbie back the curves you go deeply hot

496  
00:18:40,220 --> 00:18:48,289  
hot the case you got the funny thing is

497  
00:18:45,079 --> 00:18:50,659  
since you asked me may not one of them

498  
00:18:48,289 --> 00:18:52,879  
is going to do very well in business

499  
00:18:50,660 --> 00:18:54,560

nothing to do with singing or flexing

500

00:18:52,880 --> 00:18:56,660

the muscles or any of that or wearing

501

00:18:54,559 --> 00:18:57,919

very tight shorts but very big in

502

00:18:56,660 --> 00:18:59,779

business and it will help his home

503

00:18:57,920 --> 00:19:02,269

country and many other places through

504

00:18:59,779 --> 00:19:04,519

Europe that's exciting see that's what I

505

00:19:02,269 --> 00:19:06,259

astrology is exciting an astronomer will

506

00:19:04,519 --> 00:19:09,680

never tell you a rut said credibly big

507

00:19:06,259 --> 00:19:12,369

again well in his own way one of them

508

00:19:09,680 --> 00:19:12,370

will be yeah

509

00:19:27,200 --> 00:19:32,870

this is Eugenie Scott National Center

510

00:19:30,028 --> 00:19:38,308

for Science Education you can find us at

511

00:19:32,869 --> 00:19:40,229

ww NCSE com come see us if you want to

512

00:19:38,308 --> 00:19:42,480

know anything about the creationism and

513

00:19:40,230 --> 00:19:45,480

evolution conflict in the United States

514  
00:19:42,480 --> 00:19:47,249  
or more's the pity internationally these

515  
00:19:45,480 --> 00:19:50,519  
days we are a clearinghouse for

516  
00:19:47,249 --> 00:19:53,190  
information on this vexing but certainly

517  
00:19:50,519 --> 00:19:55,609  
very interesting problem come and find

518  
00:19:53,190 --> 00:19:55,610  
out more about

519  
00:20:03,960 --> 00:20:08,319  
one of the many things i like about

520  
00:20:06,009 --> 00:20:10,990  
Melvin is they were wise enough to keep

521  
00:20:08,319 --> 00:20:13,359  
their tram network when a lot of the

522  
00:20:10,990 --> 00:20:15,190  
country didn't including Sydney got rid

523  
00:20:13,359 --> 00:20:17,949  
of most of their trams that Sydney got

524  
00:20:15,190 --> 00:20:19,330  
rid of all of its trams one came back

525  
00:20:17,950 --> 00:20:21,970  
recently but it's not the same thing I'm

526  
00:20:19,329 --> 00:20:24,789  
on one of Melbourne strands now with dr

527  
00:20:21,970 --> 00:20:28,360  
steve roberts dr steve we're heading off

528  
00:20:24,789 --> 00:20:30,159  
to see Piper famous telescope mystically

529  
00:20:28,359 --> 00:20:34,049  
Melbourne telescope which in and the

530  
00:20:30,160 --> 00:20:34,050  
trans about to come to a stop I think

531  
00:20:35,388 --> 00:20:39,588  
I think we have to get off here in fact

532  
00:20:37,999 --> 00:20:42,048  
but here's the tram the background it

533  
00:20:39,588 --> 00:20:43,819  
some reasonably quiet just the only the

534  
00:20:42,048 --> 00:20:46,278  
noise of the rails here we do get off me

535  
00:20:43,819 --> 00:20:49,608  
this is our stop all right so we'll hop

536  
00:20:46,278 --> 00:20:51,409  
off but I'm quite keen to to see this

537  
00:20:49,608 --> 00:20:55,398  
telescope because I've been working on

538  
00:20:51,409 --> 00:20:56,659  
the newsletter as you know I think we

539  
00:20:55,398 --> 00:20:58,689  
got off on the other side okay here we

540  
00:20:56,659 --> 00:20:58,690  
go

541  
00:20:59,630 --> 00:21:04,130  
out into the street I've been working on

542

00:21:02,029 --> 00:21:06,049  
the newsletter with you for quite what

543  
00:21:04,130 --> 00:21:07,880  
about a year or so now I do a little

544  
00:21:06,049 --> 00:21:09,950  
usually for the volunteers who are on

545  
00:21:07,880 --> 00:21:12,320  
the phone jack we've got about 60

546  
00:21:09,950 --> 00:21:14,660  
volunteers only about 20 oh really

547  
00:21:12,319 --> 00:21:17,240  
active we go along everywhere you can

548  
00:21:14,660 --> 00:21:19,759  
try and repair and maintain the part of

549  
00:21:17,240 --> 00:21:21,470  
it and this is a labor of love isn't it

550  
00:21:19,759 --> 00:21:22,700  
yeah well if have you got about the

551  
00:21:21,470 --> 00:21:25,789  
history of the telescope it was the

552  
00:21:22,700 --> 00:21:29,650  
biggest telescope in the world in 1969

553  
00:21:25,789 --> 00:21:29,649  
it was a big ego set for

554  
00:21:31,180 --> 00:21:35,620  
a big truck big truck here I was a big

555  
00:21:33,819 --> 00:21:37,359  
ego trip for the new city of Melbourne

556  
00:21:35,619 --> 00:21:39,609

which was newly rich from gold and

557

00:21:37,359 --> 00:21:40,419

gather the biggest scope of the world

558

00:21:39,609 --> 00:21:43,019

and having in the southern hemisphere

559

00:21:40,420 --> 00:21:45,940

was astronomically very important and

560

00:21:43,019 --> 00:21:49,089

it's been used ever since and it was

561

00:21:45,940 --> 00:21:51,250

sent to Canberra in 1946 and actually

562

00:21:49,089 --> 00:21:54,069

did pioneering work in Canberra until

563

00:21:51,250 --> 00:21:57,099

two thousand three when a mighty bush

564

00:21:54,069 --> 00:21:59,470

fire raged across the AC T and the Turks

565

00:21:57,099 --> 00:22:00,969

coat was entirely destroyed and the

566

00:21:59,470 --> 00:22:03,630

Miller was all shattered and all the

567

00:22:00,970 --> 00:22:05,980

little parts were bent and buckled and

568

00:22:03,630 --> 00:22:10,150

some amateurs now together with the

569

00:22:05,980 --> 00:22:11,860

Museum of Victoria of salvage the part

570

00:22:10,150 --> 00:22:13,890

of the telescope and we're repairing

571  
00:22:11,859 --> 00:22:16,149  
them and straightening them out and

572  
00:22:13,890 --> 00:22:17,530  
that's another nine fam it was the

573  
00:22:16,150 --> 00:22:20,680  
number nine trial division day number

574  
00:22:17,529 --> 00:22:22,149  
nine fan there you go didn't google the

575  
00:22:20,680 --> 00:22:24,519  
number nine families another number nine

576  
00:22:22,150 --> 00:22:27,610  
travel bit yeah three Mysterio a rock

577  
00:22:24,519 --> 00:22:29,619  
Tramp Ramsey turned into trance Potter's

578  
00:22:27,609 --> 00:22:31,299  
transporters yes and so we're on our way

579  
00:22:29,619 --> 00:22:34,119  
now we're just at a bus stop by having

580  
00:22:31,299 --> 00:22:36,339  
not the tram to look at the the

581  
00:22:34,119 --> 00:22:38,229  
reconstruction the renovations the

582  
00:22:36,339 --> 00:22:40,329  
restoration in protea the restoration

583  
00:22:38,230 --> 00:22:42,759  
yeah you'll see an amateur's Talia ye

584  
00:22:40,329 --> 00:22:45,909  
with wire blushes scrubbing metal parts

585  
00:22:42,759 --> 00:22:47,819  
clean of a bushfire detritus and making

586  
00:22:45,910 --> 00:22:50,620  
technical drawings of the parts and

587  
00:22:47,819 --> 00:22:52,509  
worrying about the design of new parts

588  
00:22:50,619 --> 00:22:54,729  
we have to make to the Kali parts are

589  
00:22:52,509 --> 00:22:56,230  
really destroyed alright well we'll wait

590  
00:22:54,730 --> 00:22:58,420  
for our bus and then we'll head off and

591  
00:22:56,230 --> 00:22:59,680  
have a good look at this telescope yeah

592  
00:22:58,420 --> 00:23:02,130  
hopefully it'll be quieter when we get

593  
00:22:59,680 --> 00:23:02,130  
in there as well

594  
00:23:02,999 --> 00:23:08,919  
so we we found ourselves on the bus now

595  
00:23:06,339 --> 00:23:11,609  
Steve we're on a bus now on a bus and

596  
00:23:08,919 --> 00:23:13,778  
you're just telling me about the UM the

597  
00:23:11,609 --> 00:23:15,579  
notable people who are actually behind

598  
00:23:13,778 --> 00:23:19,659  
this project yeah that's why we wrote a

599

00:23:15,579 --> 00:23:22,210  
sawdust on famous people ask them to do

600  
00:23:19,659 --> 00:23:24,220  
too we recognized the photic to restore

601  
00:23:22,210 --> 00:23:26,319  
the telescope we didn't ask for money we

602  
00:23:24,220 --> 00:23:28,019  
just said you want you want to so to

603  
00:23:26,319 --> 00:23:32,109  
agree is a good thing and should be done

604  
00:23:28,019 --> 00:23:35,440  
and we got lots of notable people in the

605  
00:23:32,109 --> 00:23:38,428  
Melbourne world to condemn the project

606  
00:23:35,440 --> 00:23:40,570  
and support it expressed support for it

607  
00:23:38,429 --> 00:23:43,119  
but it is the joint initiative between

608  
00:23:40,569 --> 00:23:45,490  
the Botanical Gardens the Museum of

609  
00:23:43,118 --> 00:23:49,418  
Victoria and is the astronomical society

610  
00:23:45,490 --> 00:23:51,519  
of Victoria and we just put our own part

611  
00:23:49,419 --> 00:23:53,799  
into the project the potato gardeners

612  
00:23:51,519 --> 00:23:57,940  
over the building where telescope will

613  
00:23:53,798 --> 00:24:00,579

go the musi and a co the telescope on

614

00:23:57,940 --> 00:24:02,200

behalf of the people of Victoria the

615

00:24:00,579 --> 00:24:04,388

astronomical society have the skill to

616

00:24:02,200 --> 00:24:06,249

restore it and can command volunteer

617

00:24:04,388 --> 00:24:08,349

labor on a large scale the big things

618

00:24:06,249 --> 00:24:10,480

that are you telling me it's really it's

619

00:24:08,349 --> 00:24:12,548

the love of volunteers that are making

620

00:24:10,480 --> 00:24:13,929

this all possible and already the

621

00:24:12,548 --> 00:24:16,179

volunteers are put in something like

622

00:24:13,929 --> 00:24:18,909

4,000 hours or something like that of

623

00:24:16,179 --> 00:24:20,950

their time and effort that's why we come

624

00:24:18,909 --> 00:24:22,749

once a week and work a bit less to the

625

00:24:20,950 --> 00:24:28,440

full day there's 10 or 12 people

626

00:24:22,749 --> 00:24:30,999

typically will work for sentential for

627

00:24:28,440 --> 00:24:33,429

doing our jobs and doing drawing so the

628  
00:24:30,999 --> 00:24:36,249  
family work is done out of ours too I

629  
00:24:33,429 --> 00:24:38,950  
mean I I work all the database of parts

630  
00:24:36,249 --> 00:24:41,019  
and sorting out and tidying up the an

631  
00:24:38,950 --> 00:24:44,139  
excel file and I do nearly all of that

632  
00:24:41,019 --> 00:24:45,970  
at home at the Museum yeah the guy who

633  
00:24:44,138 --> 00:24:47,528  
does technical drawings it comes in and

634  
00:24:45,970 --> 00:24:49,929  
bitches up he actually does the drawings

635  
00:24:47,528 --> 00:24:52,179  
at home is a retired engineer and

636  
00:24:49,929 --> 00:24:55,059  
there's something for people in the

637  
00:24:52,179 --> 00:24:55,730  
profession now retired it's a wonderful

638  
00:24:55,058 --> 00:24:58,220  
project

639  
00:24:55,730 --> 00:25:00,890  
okay it's a real hoot to work these guys

640  
00:24:58,220 --> 00:25:03,440  
all over 60 and already tired are they

641  
00:25:00,890 --> 00:25:06,050  
all mighty engineers in their time and

642  
00:25:03,440 --> 00:25:08,420  
it's a vault image to associate these

643  
00:25:06,049 --> 00:25:10,609  
people have got my vast experience some

644  
00:25:08,420 --> 00:25:12,950  
of dial sorts of bizarre things in

645  
00:25:10,609 --> 00:25:14,419  
engineering that's a weekly quite

646  
00:25:12,950 --> 00:25:16,490  
interesting you really went at my

647  
00:25:14,420 --> 00:25:26,779  
appetite and we're bumping along on this

648  
00:25:16,490 --> 00:25:29,630  
bus or the telescope yeah now we have

649  
00:25:26,779 --> 00:25:31,819  
actually entered the secret location of

650  
00:25:29,630 --> 00:25:34,250  
this telescope restoration now will come

651  
00:25:31,819 --> 00:25:35,839  
through security walking down this long

652  
00:25:34,250 --> 00:25:38,000  
haul looks like something out of get

653  
00:25:35,839 --> 00:25:42,829  
smart I must I must say through these

654  
00:25:38,000 --> 00:25:45,769  
doors where we'll be into a giant hangar

655  
00:25:42,829 --> 00:25:47,659  
type room oh I see we have to wear a

656

00:25:45,769 --> 00:25:49,639  
vest because it was taken for the

657  
00:25:47,660 --> 00:25:51,920  
exhibit and putting the glass place so

658  
00:25:49,640 --> 00:25:53,780  
these vests Kalonzo anybody or can I

659  
00:25:51,920 --> 00:25:56,890  
just really want to have one Laura if

660  
00:25:53,779 --> 00:26:02,750  
possible large if possible ones are gone

661  
00:25:56,890 --> 00:26:06,009  
put on a safety vest now ok so let's

662  
00:26:02,750 --> 00:26:08,779  
keep walking back passing all sorts of

663  
00:26:06,009 --> 00:26:13,089  
price that's looking priceless exhibits

664  
00:26:08,779 --> 00:26:15,230  
here and paintings and things Oh

665  
00:26:13,089 --> 00:26:18,799  
dinosaur footprints look at that on the

666  
00:26:15,230 --> 00:26:22,279  
wall there fascinating old engines here

667  
00:26:18,799 --> 00:26:24,529  
an old st. machine open so some

668  
00:26:22,279 --> 00:26:27,289  
treasures here from Victorious puppet a

669  
00:26:24,529 --> 00:26:29,149  
display of dinosaurs hatching from eggs

670  
00:26:27,289 --> 00:26:32,930

Steve what place have you brought me to

671

00:26:29,150 --> 00:26:35,540

yeah look at that stunning Rufus the

672

00:26:32,930 --> 00:26:38,509

duck whatever Rufus the duck is that was

673

00:26:35,539 --> 00:26:41,829

mean we had the original o malli' with

674

00:26:38,509 --> 00:26:44,299

the balls here oh really it's gone now

675

00:26:41,829 --> 00:26:46,879

well I'd it's hard to describe what I'm

676

00:26:44,299 --> 00:26:50,440

looking at here it's just giant rose and

677

00:26:46,880 --> 00:26:52,970

shelves of priceless memorabilia here

678

00:26:50,440 --> 00:26:55,580

we'll probably the people of victoria

679

00:26:52,970 --> 00:26:56,200

from the custody of the museum from

680

00:26:55,579 --> 00:26:59,500

using

681

00:26:56,200 --> 00:27:01,000

fascinating now we've entered the what

682

00:26:59,500 --> 00:27:03,250

is this the sort of the meeting area of

683

00:27:01,000 --> 00:27:05,528

the working area working on Julia I've

684

00:27:03,250 --> 00:27:08,528

got some gentlemen there some scientists

685  
00:27:05,528 --> 00:27:10,509  
busily looking at their models and paper

686  
00:27:08,528 --> 00:27:11,829  
and drawings and stuff and Steve you're

687  
00:27:10,509 --> 00:27:15,609  
just showing me this folder yeah it's

688  
00:27:11,829 --> 00:27:17,769  
full of yeah amazing number of technical

689  
00:27:15,609 --> 00:27:19,869  
drawings to over this telescope every

690  
00:27:17,769 --> 00:27:21,548  
part of a telescope was about 600 has

691  
00:27:19,869 --> 00:27:23,798  
been uniquely identified and given a

692  
00:27:21,548 --> 00:27:25,720  
number how are they going saying with

693  
00:27:23,798 --> 00:27:29,109  
long descriptions in words so this is

694  
00:27:25,720 --> 00:27:32,380  
item number 2 160 16 and what is that

695  
00:27:29,109 --> 00:27:35,439  
this is it's like a short fat metal boss

696  
00:27:32,380 --> 00:27:38,230  
and the end of a Tesco baptists is

697  
00:27:35,440 --> 00:27:40,538  
pivoted in this boss is attached insider

698  
00:27:38,230 --> 00:27:43,149  
yeah a large heavy part called the cube

699  
00:27:40,538 --> 00:27:46,269  
and the telescope eventi pivots in this

700  
00:27:43,148 --> 00:27:48,369  
hole here on the boss right it's a very

701  
00:27:46,269 --> 00:27:50,440  
heavy metal part and we brought it here

702  
00:27:48,369 --> 00:27:52,359  
we have a technical drawing here so good

703  
00:27:50,440 --> 00:27:54,250  
we compete the accurate measurements and

704  
00:27:52,359 --> 00:27:56,019  
it's such sit on the pot already exists

705  
00:27:54,250 --> 00:27:57,609  
but if it didn't exist it could be

706  
00:27:56,019 --> 00:28:00,548  
recreated we can recreate it from that

707  
00:27:57,609 --> 00:28:02,288  
boy alone yes the testicles would he be

708  
00:28:00,548 --> 00:28:04,179  
destroyed once and the toys were

709  
00:28:02,288 --> 00:28:06,190  
destroyed in other bushfire the original

710  
00:28:04,179 --> 00:28:09,909  
drawing so you have to recreate all

711  
00:28:06,190 --> 00:28:11,830  
those so in theory someone someone could

712  
00:28:09,909 --> 00:28:13,809  
be given all these and certain said

713

00:28:11,829 --> 00:28:17,288  
build the telescope oh yeah and many of

714  
00:28:13,808 --> 00:28:22,960  
these studies part actually don't exist

715  
00:28:17,288 --> 00:28:25,329  
for example so we recovered little

716  
00:28:22,960 --> 00:28:28,690  
photographs and oh yeah and from

717  
00:28:25,329 --> 00:28:31,538  
deductions all the parts are so badly

718  
00:28:28,690 --> 00:28:35,080  
damaged that they can't really be we

719  
00:28:31,538 --> 00:28:37,269  
remade they give our listeners an idea

720  
00:28:35,079 --> 00:28:38,980  
of the scale and I'm just looking over

721  
00:28:37,269 --> 00:28:41,888  
your shoulder now to a beautiful picture

722  
00:28:38,980 --> 00:28:44,200  
of how the telescope once look what size

723  
00:28:41,888 --> 00:28:46,719  
are we looking at here this is a picture

724  
00:28:44,200 --> 00:28:48,250  
taken in over eighteen eighty of the

725  
00:28:46,720 --> 00:28:49,960  
original telescope in its original

726  
00:28:48,250 --> 00:28:51,519  
working position in the botanical

727  
00:28:49,960 --> 00:28:53,500

gardens and that's part of the Roloffs

728

00:28:51,519 --> 00:28:55,028

moon for the shade there yeah there's a

729

00:28:53,500 --> 00:28:56,319

astronomer standing there oh there's

730

00:28:55,028 --> 00:28:57,788

that there's a giving me a bit of a

731

00:28:56,319 --> 00:29:00,038

scale there's somebody standing next to

732

00:28:57,788 --> 00:29:01,778

it now so from here from the end of the

733

00:29:00,038 --> 00:29:05,798

barrel here to the business it's about

734

00:29:01,778 --> 00:29:07,359

30 feet long maybe 30 feet up right to

735

00:29:05,798 --> 00:29:08,849

think it imperial units well obviously

736

00:29:07,359 --> 00:29:10,679

that's okay he'll use

737

00:29:08,849 --> 00:29:12,389

Imperial I think our listeners adults

738

00:29:10,680 --> 00:29:13,769

all inches and whatnot now listen should

739

00:29:12,390 --> 00:29:15,180

be able to grasp an idea though it's a

740

00:29:13,769 --> 00:29:16,559

beautiful-looking telescope because it's

741

00:29:15,180 --> 00:29:18,690

got this interesting crisscross of

742  
00:29:16,559 --> 00:29:20,279  
lattice sort of yeah on the second part

743  
00:29:18,690 --> 00:29:21,630  
of that was a pioneering designed to

744  
00:29:20,279 --> 00:29:23,519  
save weight haven't really been done

745  
00:29:21,630 --> 00:29:26,310  
before yeah this is a boilerplate tube

746  
00:29:23,519 --> 00:29:27,960  
it's very very heavy if you go all the

747  
00:29:26,309 --> 00:29:29,759  
way along with you in boilerplate it'll

748  
00:29:27,960 --> 00:29:31,950  
weigh your fight under this is a better

749  
00:29:29,759 --> 00:29:33,539  
drawing here and most of the telescope

750  
00:29:31,950 --> 00:29:36,210  
is in fact is this very lightweight

751  
00:29:33,539 --> 00:29:38,069  
lattice yeah with a mirror at the

752  
00:29:36,210 --> 00:29:40,710  
similar to support the middle at the top

753  
00:29:38,069 --> 00:29:43,470  
oh yeah the light comes in two other to

754  
00:29:40,710 --> 00:29:45,269  
hit cebu at the back an affected back up

755  
00:29:43,470 --> 00:29:47,039  
at the top of the tube yes all over the

756  
00:29:45,269 --> 00:29:49,019  
front and then how they bounce it back

757  
00:29:47,039 --> 00:29:51,869  
down to the element or to whether than I

758  
00:29:49,019 --> 00:29:53,369  
piece and there's a the prime yes oh yes

759  
00:29:51,869 --> 00:29:54,629  
there's a light piece I didn't notice

760  
00:29:53,369 --> 00:29:55,919  
that's finally you actually look through

761  
00:29:54,630 --> 00:29:57,330  
there everything through there and you

762  
00:29:55,920 --> 00:29:59,160  
see you look through there and that the

763  
00:29:57,329 --> 00:30:00,929  
primary Miller is called as a big hole

764  
00:29:59,160 --> 00:30:03,810  
in the middle is it inverted for looking

765  
00:30:00,930 --> 00:30:05,250  
for yesterday's at some you get used to

766  
00:30:03,809 --> 00:30:07,200  
that you get used to that anybody matter

767  
00:30:05,250 --> 00:30:09,269  
and you see it's all driven by hand

768  
00:30:07,200 --> 00:30:12,690  
crank wheels and great big gear wheels

769  
00:30:09,269 --> 00:30:14,009  
oh yeah 1868 technology cast iron pieces

770

00:30:12,690 --> 00:30:15,870  
it's good that there's there's this

771  
00:30:14,009 --> 00:30:17,970  
photograph exists at all isn't it yeah

772  
00:30:15,869 --> 00:30:19,529  
well we're desperate and we Paul over

773  
00:30:17,970 --> 00:30:22,410  
this photograph for hours and hours and

774  
00:30:19,529 --> 00:30:24,660  
hours and and Steve over there's

775  
00:30:22,410 --> 00:30:27,269  
identified many missing parts like this

776  
00:30:24,660 --> 00:30:31,019  
apparatus here it's the entirely missing

777  
00:30:27,269 --> 00:30:32,339  
so when we say you're the construction

778  
00:30:31,019 --> 00:30:34,079  
of the reconstruction of telescope when

779  
00:30:32,339 --> 00:30:36,179  
I just talked about this bit but all

780  
00:30:34,079 --> 00:30:38,039  
this bit all these these counter weights

781  
00:30:36,180 --> 00:30:40,019  
and these gears building a brilliant

782  
00:30:38,039 --> 00:30:42,480  
stands in the piers is mounted on oh

783  
00:30:40,019 --> 00:30:45,269  
here we go the the structure surrounding

784  
00:30:42,480 --> 00:30:46,890

it you've got a chains coming down for

785

00:30:45,269 --> 00:30:49,109

other gears and pulleys and lights and

786

00:30:46,890 --> 00:30:50,550

things to the train the trainees missing

787

00:30:49,109 --> 00:30:52,649

it's a trivial things and chains missing

788

00:30:50,549 --> 00:30:54,539

haha got lost on there there it is

789

00:30:52,650 --> 00:30:56,370

there's a few missing part lucky those

790

00:30:54,539 --> 00:31:00,240

always small parts that can easily be

791

00:30:56,369 --> 00:31:02,069

remade or deduced and substituted but

792

00:31:00,240 --> 00:31:04,500

the major parts all with us we got like

793

00:31:02,069 --> 00:31:09,269

ninety percent of her of the party

794

00:31:04,500 --> 00:31:10,980

existence here in the museum and we're

795

00:31:09,269 --> 00:31:13,289

making a way through the storeroom once

796

00:31:10,980 --> 00:31:15,360

again this giant ruined the most

797

00:31:13,289 --> 00:31:17,460

extraordinary things up at their the

798

00:31:15,359 --> 00:31:20,339

ceiling it's like an old-fashioned

799

00:31:17,460 --> 00:31:22,288  
flying machine made out of silk I'm

800

00:31:20,339 --> 00:31:24,720  
thinking and cloth or whatever it is

801

00:31:22,288 --> 00:31:26,849  
does it why does it fly anything it

802

00:31:24,720 --> 00:31:29,159  
would fly with the phone once here this

803

00:31:26,849 --> 00:31:31,019  
is all stuff the museum possesses on

804

00:31:29,159 --> 00:31:32,909  
behalf of the people of Victoria it's

805

00:31:31,019 --> 00:31:34,379  
fast I think old fighter Holly exhibit

806

00:31:32,909 --> 00:31:36,299  
right now for some reason but dollar

807

00:31:34,380 --> 00:31:40,559  
falls it's a genuine fighters you know

808

00:31:36,298 --> 00:31:42,750  
will away fighter Wow others the wings

809

00:31:40,558 --> 00:31:46,490  
over there do you fishing machine yeah

810

00:31:42,750 --> 00:31:50,690  
ok let's go through this slamming door

811

00:31:46,490 --> 00:31:53,909  
through here are now that smells like a

812

00:31:50,690 --> 00:31:55,080  
workshop gives the loading games we're

813  
00:31:53,909 --> 00:31:58,919  
going on here these are all volunteers

814  
00:31:55,079 --> 00:32:01,048  
of the project so this is this is it

815  
00:31:58,919 --> 00:32:03,390  
this is the telescope around this many

816  
00:32:01,048 --> 00:32:06,148  
of the bits you any of the bits are why

817  
00:32:03,390 --> 00:32:08,940  
are all of this clutter here yeah

818  
00:32:06,148 --> 00:32:10,949  
telescope and this roll along here at

819  
00:32:08,940 --> 00:32:13,130  
the front the parts all the parts of

820  
00:32:10,950 --> 00:32:16,380  
this telescope are all laid out here

821  
00:32:13,130 --> 00:32:18,090  
talk the whole this corner here all the

822  
00:32:16,380 --> 00:32:19,590  
stuff and telescope all that there it is

823  
00:32:18,089 --> 00:32:21,538  
there's the lattice over there I was

824  
00:32:19,589 --> 00:32:23,158  
describing earlier the actual bit the

825  
00:32:21,538 --> 00:32:25,679  
actual lattice to you is the problem

826  
00:32:23,159 --> 00:32:30,240  
there these things all have mange here's

827

00:32:25,679 --> 00:32:32,490  
the cube yes if the potency huge ah and

828  
00:32:30,240 --> 00:32:35,429  
there's even a photograph over here on

829  
00:32:32,490 --> 00:32:37,230  
the leaning against the wall of when it

830  
00:32:35,429 --> 00:32:39,000  
was being constructed originally yeah

831  
00:32:37,230 --> 00:32:42,659  
with cranes and all sorts of people like

832  
00:32:39,000 --> 00:32:44,369  
Irish navvies here to it because this is

833  
00:32:42,659 --> 00:32:45,450  
a priceless photograph it must be for

834  
00:32:44,369 --> 00:32:47,158  
you because you can see the underside

835  
00:32:45,450 --> 00:32:49,140  
here have been no you again you see the

836  
00:32:47,159 --> 00:32:50,820  
mechanisms in there this business over

837  
00:32:49,140 --> 00:32:53,340  
here which is which is lost we have to

838  
00:32:50,819 --> 00:32:55,710  
replace their own oh sorry we have about

839  
00:32:53,339 --> 00:32:57,389  
half of it is broken and I'm going to

840  
00:32:55,710 --> 00:32:59,308  
giant blow up here the picture i was

841  
00:32:57,390 --> 00:33:01,830

looking at before the classic picture of

842

00:32:59,308 --> 00:33:03,808

the telescope in operation oh i see this

843

00:33:01,829 --> 00:33:05,398

is actually a window is in the window

844

00:33:03,808 --> 00:33:06,928

here to show you the volga mechanism

845

00:33:05,398 --> 00:33:09,658

that takes the weight of the telescope

846

00:33:06,929 --> 00:33:11,399

which is this thing here right there it

847

00:33:09,659 --> 00:33:13,649

is actually on the floor before us this

848

00:33:11,398 --> 00:33:15,148

was a pioneer invention in its day has

849

00:33:13,648 --> 00:33:17,189

it really been copied since but i mean

850

00:33:15,148 --> 00:33:18,778

how do you look at the whole telescope

851

00:33:17,190 --> 00:33:21,840

weighs about eight tonnes when it's

852

00:33:18,778 --> 00:33:24,089

assembled so how do you pivot that on a

853

00:33:21,839 --> 00:33:26,158

bearing so you can slosh it around and

854

00:33:24,089 --> 00:33:28,250

point it at any point of the sky they

855

00:33:26,159 --> 00:33:29,900

were quite clever back then one baby

856  
00:33:28,250 --> 00:33:33,049  
yeah

857  
00:33:29,900 --> 00:33:36,290  
it's a pioneering days was 50 years

858  
00:33:33,049 --> 00:33:37,759  
before the Titanic he really are you 20

859  
00:33:36,289 --> 00:33:41,899  
years after the Great Eastern was built

860  
00:33:37,759 --> 00:33:44,420  
this is the lattice tube yeah this is a

861  
00:33:41,900 --> 00:33:46,670  
drawing of light as a boilerplate right

862  
00:33:44,420 --> 00:33:48,560  
back parlor too well I must say they

863  
00:33:46,670 --> 00:33:51,019  
look their wonderful things but they are

864  
00:33:48,559 --> 00:33:54,619  
looking their agent yeah yeah a bit of a

865  
00:33:51,019 --> 00:33:55,819  
bit of a scrubby with a wife a bit of a

866  
00:33:54,619 --> 00:33:57,769  
leak with a wet cloth and look a lot

867  
00:33:55,819 --> 00:33:59,659  
better no painting you you see the

868  
00:33:57,769 --> 00:34:01,519  
largest view half of its missing the bit

869  
00:33:59,660 --> 00:34:03,529  
we are view is much shorter oh yeah

870  
00:34:01,519 --> 00:34:05,480  
we're supposed to have where is it well

871  
00:34:03,529 --> 00:34:07,759  
we don't know it's destroyed the other

872  
00:34:05,480 --> 00:34:10,159  
hostile create I'm gonna recreate lift

873  
00:34:07,759 --> 00:34:11,659  
somewhere and loud noise going on anyway

874  
00:34:10,159 --> 00:34:14,000  
so we have to recreate half of that is

875  
00:34:11,659 --> 00:34:16,039  
too but that's a feed fill your job is

876  
00:34:14,000 --> 00:34:17,898  
your way the metal strips yeah just yes

877  
00:34:16,039 --> 00:34:19,250  
measure utley they are tapered but you

878  
00:34:17,898 --> 00:34:21,349  
measure up and we have the photographs

879  
00:34:19,250 --> 00:34:24,289  
and we just set to and having them all

880  
00:34:21,349 --> 00:34:26,869  
in place and for sort of like um 10

881  
00:34:24,289 --> 00:34:30,139  
grand in costs we can replace the part

882  
00:34:26,869 --> 00:34:33,259  
of it well I wish you could see this the

883  
00:34:30,139 --> 00:34:35,779  
secret storeroom listeners duck around

884

00:34:33,260 --> 00:34:38,480  
under here I mean careful where I step

885  
00:34:35,780 --> 00:34:40,610  
would more telescope us how many putts

886  
00:34:38,480 --> 00:34:43,340  
did you say are they dancing about 600

887  
00:34:40,610 --> 00:34:45,349  
but we got a slight problem these parts

888  
00:34:43,340 --> 00:34:47,840  
here is clearly not from 1868 there from

889  
00:34:45,349 --> 00:34:49,730  
about 1950 oh yes and they were added by

890  
00:34:47,840 --> 00:34:52,070  
engineers at Mount Stromlo and let us

891  
00:34:49,730 --> 00:34:54,469  
cope with that Mount Stromlo it was

892  
00:34:52,070 --> 00:34:55,280  
modified heavily really i mean restoring

893  
00:34:54,469 --> 00:34:56,809  
it we ought to get rid of the

894  
00:34:55,280 --> 00:35:00,620  
modifications and bring it back to its

895  
00:34:56,809 --> 00:35:02,949  
original yes a 68 form but however

896  
00:35:00,619 --> 00:35:05,630  
having hidden motors and hidden bearings

897  
00:35:02,949 --> 00:35:07,730  
which will make it safe in modern terms

898  
00:35:05,630 --> 00:35:09,230

of engineering and make it computer

899

00:35:07,730 --> 00:35:11,659

controllable well that's fair enough

900

00:35:09,230 --> 00:35:13,250

yeah so you have that motor but has to

901

00:35:11,659 --> 00:35:16,009

be another motive the place is on there

902

00:35:13,250 --> 00:35:18,170

these are the bearings here yes just on

903

00:35:16,010 --> 00:35:20,480

a pallet on the other side of us yeah

904

00:35:18,170 --> 00:35:22,369

the burial of top there's the

905

00:35:20,480 --> 00:35:24,349

interesting story it so I've been ruined

906

00:35:22,369 --> 00:35:26,150

by being in the bush fire yeah and we

907

00:35:24,349 --> 00:35:28,159

wrote to the manufacturers and said you

908

00:35:26,150 --> 00:35:30,139

still make a Bering like this is 24

909

00:35:28,159 --> 00:35:32,239

inches across someone on 38 stick or

910

00:35:30,139 --> 00:35:33,859

something inches I said well we used to

911

00:35:32,239 --> 00:35:36,949

make that we don't anymore and we've got

912

00:35:33,860 --> 00:35:37,480

one left and we'll keep that for you but

913  
00:35:36,949 --> 00:35:40,179  
you know

914  
00:35:37,480 --> 00:35:42,039  
we've only got one leg you better buy it

915  
00:35:40,179 --> 00:35:44,289  
soon Oliver sell it to somebody else so

916  
00:35:42,039 --> 00:35:47,800  
in a big flat get our hands on this one

917  
00:35:44,289 --> 00:35:49,539  
remaining daring to do without it means

918  
00:35:47,800 --> 00:35:54,280  
redesigning the huge area of the

919  
00:35:49,539 --> 00:35:57,639  
telescope well this is uh I mean I'm

920  
00:35:54,280 --> 00:35:59,710  
sure a lot of our listeners just you

921  
00:35:57,639 --> 00:36:01,779  
can't imagine what it's like here I'm

922  
00:35:59,710 --> 00:36:04,990  
sure a lot of Allison's would love to be

923  
00:36:01,780 --> 00:36:07,600  
here surrounded by bits of wonderful

924  
00:36:04,989 --> 00:36:10,539  
Victorian engineering right left and

925  
00:36:07,599 --> 00:36:13,839  
center all disassembled all on pallets

926  
00:36:10,539 --> 00:36:18,039  
on the floor numbered and slowly but

927  
00:36:13,840 --> 00:36:19,600  
surely being restored and we look

928  
00:36:18,039 --> 00:36:21,940  
forward to the day when this beautiful

929  
00:36:19,599 --> 00:36:24,009  
telescope will one day be a of pride of

930  
00:36:21,940 --> 00:36:26,070  
place yeah thank you very much and I'm

931  
00:36:24,010 --> 00:36:28,090  
glad to show this to you Richard sir

932  
00:36:26,070 --> 00:36:29,830  
budget will take some years to finish

933  
00:36:28,090 --> 00:36:32,380  
but in the end of tour scope should be

934  
00:36:29,829 --> 00:36:34,500  
restored to heritage standards and be

935  
00:36:32,380 --> 00:36:37,030  
usable by the public and it will be

936  
00:36:34,500 --> 00:36:38,739  
remotely use all by schools and so on

937  
00:36:37,030 --> 00:36:41,109  
and other people in the northern

938  
00:36:38,739 --> 00:36:43,209  
hemisphere there will be a relationship

939  
00:36:41,108 --> 00:36:45,849  
we're hoping it'll again become a major

940  
00:36:43,210 --> 00:36:49,380  
tourist attraction in Melbourne it was

941

00:36:45,849 --> 00:36:49,380  
originally and it can be cell again

942  
00:36:53,050 --> 00:37:01,570  
to find out more visit HTTP colon slash

943  
00:36:56,960 --> 00:37:17,510  
slash great Melbourne telescope dot org

944  
00:37:01,570 --> 00:37:20,539  
dot a you hi everyone this is andy

945  
00:37:17,510 --> 00:37:22,880  
Kaiser Richard Saunders was nice enough

946  
00:37:20,539 --> 00:37:25,489  
to let me interrupt the skeptic zone to

947  
00:37:22,880 --> 00:37:27,769  
tell you about another gust of wind in

948  
00:37:25,489 --> 00:37:30,859  
the maelstrom of worldwide critical

949  
00:37:27,769 --> 00:37:33,469  
thought digital bits skeptic is a

950  
00:37:30,860 --> 00:37:36,140  
podcast dedicated to skepticism and

951  
00:37:33,469 --> 00:37:39,309  
critical thinking in our world of New

952  
00:37:36,139 --> 00:37:42,559  
Age religion and credulous pop culture I

953  
00:37:39,309 --> 00:37:44,989  
myself write a few articles but most are

954  
00:37:42,559 --> 00:37:47,869  
written by everyone else and they're

955  
00:37:44,989 --> 00:37:50,569

paid for that effort if you're an expert

956

00:37:47,869 --> 00:37:52,339

in your field if you need a forum or if

957

00:37:50,570 --> 00:37:54,950

you want to make an impact on not just

958

00:37:52,340 --> 00:37:58,670

the skeptical community but the world at

959

00:37:54,949 --> 00:38:00,469

large I'd like to talk to you or if you

960

00:37:58,670 --> 00:38:03,490

just like to listen to a quality

961

00:38:00,469 --> 00:38:08,539

skeptical minded podcast that's great to

962

00:38:03,489 --> 00:38:12,369

find the digital bit skeptic at wwd be

963

00:38:08,539 --> 00:38:12,369

skeptical calm

964

00:38:19,079 --> 00:38:24,509

every year on or around New Year's Day

965

00:38:22,889 --> 00:38:25,828

in fact or New Year's Eve thereabouts

966

00:38:24,509 --> 00:38:27,389

we get the fortune-tellers or the

967

00:38:25,829 --> 00:38:28,680

clairvoyance or the psychics or whatever

968

00:38:27,389 --> 00:38:30,719

they call themselves who come out with

969

00:38:28,679 --> 00:38:32,489

their list of predictions now my

970  
00:38:30,719 --> 00:38:35,190  
question is if you believe in all that

971  
00:38:32,489 --> 00:38:37,108  
stuff and these people are not simply

972  
00:38:35,190 --> 00:38:38,999  
making massive generalizations year

973  
00:38:37,108 --> 00:38:40,338  
after year after year then why is it

974  
00:38:38,998 --> 00:38:42,389  
that none of them to my knowledge

975  
00:38:40,338 --> 00:38:44,338  
predicted that Queensland would be

976  
00:38:42,389 --> 00:38:47,068  
devastated by floodwaters in the first

977  
00:38:44,338 --> 00:38:48,389  
two weeks of the new year and why is it

978  
00:38:47,068 --> 00:38:49,949  
that they only come out and beat their

979  
00:38:48,389 --> 00:38:52,018  
chests when they supposedly get a

980  
00:38:49,949 --> 00:38:54,058  
prediction right I mean how could all of

981  
00:38:52,018 --> 00:38:56,278  
these people who can supposedly see

982  
00:38:54,059 --> 00:38:57,959  
things and predict things how could they

983  
00:38:56,278 --> 00:38:59,159  
have not seen the wall of water and

984  
00:38:57,958 --> 00:39:00,419  
devastation that was about to swamp

985  
00:38:59,159 --> 00:39:02,098  
bound all the neighbors up in Queensland

986  
00:39:00,420 --> 00:39:04,528  
Richard Saunders from the Australian

987  
00:39:02,099 --> 00:39:06,059  
skeptics joins us can I Richard get a

988  
00:39:04,528 --> 00:39:07,920  
glare and happy new year and to you

989  
00:39:06,059 --> 00:39:09,959  
might all the best to you am I being too

990  
00:39:07,920 --> 00:39:12,329  
hush yeah no i think you're being

991  
00:39:09,958 --> 00:39:14,548  
generous i think the amount of air time

992  
00:39:12,329 --> 00:39:17,160  
that people who call themselves psychics

993  
00:39:14,548 --> 00:39:19,139  
or fortune tellers have received over

994  
00:39:17,159 --> 00:39:23,548  
the years on australian television and

995  
00:39:19,139 --> 00:39:25,650  
radio wow if I could have a hundred of

996  
00:39:23,548 --> 00:39:27,630  
that time I would be doing well for the

997  
00:39:25,650 --> 00:39:29,430  
rest of my life I think so you know

998

00:39:27,630 --> 00:39:31,318  
generally speaking it and we're

999  
00:39:29,429 --> 00:39:32,818  
discusses before when you've joined me

1000  
00:39:31,318 --> 00:39:35,369  
here in the studio generally speaking

1001  
00:39:32,818 --> 00:39:36,869  
it's it's very much a general prediction

1002  
00:39:35,369 --> 00:39:38,818  
that they tend to do year in and year

1003  
00:39:36,869 --> 00:39:41,369  
out yeah well the tree here's the trick

1004  
00:39:38,818 --> 00:39:43,380  
I'll tell all your listen is the huge

1005  
00:39:41,369 --> 00:39:46,229  
secret behind all this this game is you

1006  
00:39:43,380 --> 00:39:48,989  
make lots of predictions some specific

1007  
00:39:46,228 --> 00:39:52,948  
most general year after year after year

1008  
00:39:48,989 --> 00:39:54,719  
some of those are bound to come true you

1009  
00:39:52,949 --> 00:39:56,219  
can't help yourself some predictions you

1010  
00:39:54,719 --> 00:39:58,170  
make if you make enough of them will

1011  
00:39:56,219 --> 00:40:00,269  
come true and those are the ones you

1012  
00:39:58,170 --> 00:40:02,818

dine out on the years and say look how

1013

00:40:00,268 --> 00:40:05,578

great the powerful predictor i am now we

1014

00:40:02,818 --> 00:40:08,009

did a look at the predictions that they

1015

00:40:05,579 --> 00:40:10,109

made for last year we track them

1016

00:40:08,009 --> 00:40:12,420

carefully throughout the year and in the

1017

00:40:10,108 --> 00:40:15,598

official australian psychics directory

1018

00:40:12,420 --> 00:40:17,309

magazine predictions for 2010 they

1019

00:40:15,599 --> 00:40:20,219

scored and we're being generous here

1020

00:40:17,309 --> 00:40:22,259

they scored a grand total of seven

1021

00:40:20,219 --> 00:40:24,749

percent right in other words they were

1022

00:40:22,259 --> 00:40:26,458

wrong ninety-three percent of the time

1023

00:40:24,748 --> 00:40:28,129

but you don't hear about those you'll

1024

00:40:26,458 --> 00:40:31,679

hear about the very few ones they

1025

00:40:28,130 --> 00:40:33,210

basically stumbled and got right yeah so

1026

00:40:31,679 --> 00:40:35,399

you know to come back

1027  
00:40:33,210 --> 00:40:38,490  
to the devastation in Queensland for

1028  
00:40:35,400 --> 00:40:40,559  
something to happen so early in the new

1029  
00:40:38,489 --> 00:40:41,789  
year literally just around the corner

1030  
00:40:40,559 --> 00:40:43,650  
after they've gazed into their crystal

1031  
00:40:41,789 --> 00:40:45,179  
crystal balls or throwing the tarot

1032  
00:40:43,650 --> 00:40:46,829  
cards on the table or however they do it

1033  
00:40:45,179 --> 00:40:48,690  
you would have thought that somewhere on

1034  
00:40:46,829 --> 00:40:49,889  
the line somebody would have you know if

1035  
00:40:48,690 --> 00:40:51,780  
they have decent they would have said

1036  
00:40:49,889 --> 00:40:53,789  
you know there's this massive wall of

1037  
00:40:51,780 --> 00:40:55,260  
water that's going to swamp Queensland

1038  
00:40:53,789 --> 00:40:56,610  
and there's going to be devastation

1039  
00:40:55,260 --> 00:40:59,280  
there's going to be property lost lives

1040  
00:40:56,610 --> 00:41:00,750  
lost but nothing from anybody well it

1041  
00:40:59,280 --> 00:41:04,050  
would have been handy if they were that

1042  
00:41:00,750 --> 00:41:07,230  
specific with somebody for this year did

1043  
00:41:04,050 --> 00:41:10,260  
predict in our quote major flooding will

1044  
00:41:07,230 --> 00:41:13,139  
occur for the eastern seaboard of

1045  
00:41:10,260 --> 00:41:15,120  
Australia now you might think oh well

1046  
00:41:13,139 --> 00:41:17,250  
they got it they predicted that the

1047  
00:41:15,119 --> 00:41:19,409  
floods in Queensland no no no all they

1048  
00:41:17,250 --> 00:41:21,420  
said was major flooding will occur for

1049  
00:41:19,409 --> 00:41:23,759  
the eastern seaboard of Australia I

1050  
00:41:21,420 --> 00:41:25,829  
looked up the bureau bureau of

1051  
00:41:23,760 --> 00:41:27,210  
meteorology and they're there they've

1052  
00:41:25,829 --> 00:41:29,519  
got a great website and you can look at

1053  
00:41:27,210 --> 00:41:32,820  
all the flood major flooding occurs on

1054  
00:41:29,519 --> 00:41:34,949  
the eastern seaboard australia if not

1055

00:41:32,820 --> 00:41:37,769  
every year certainly nine years out of

1056  
00:41:34,949 --> 00:41:40,439  
10 so in that situation spike so we

1057  
00:41:37,769 --> 00:41:42,509  
would say well so what you didn't you

1058  
00:41:40,440 --> 00:41:44,130  
didn't say and by the way there'll be a

1059  
00:41:42,510 --> 00:41:46,080  
wall of water coming through Queensland

1060  
00:41:44,130 --> 00:41:47,490  
and Brisbane will be devastated in the

1061  
00:41:46,079 --> 00:41:49,079  
Premier now that would have been

1062  
00:41:47,489 --> 00:41:50,789  
something we could latch onto but a

1063  
00:41:49,079 --> 00:41:52,949  
vague prediction like that which is

1064  
00:41:50,789 --> 00:41:55,139  
bound to happen almost every year we can

1065  
00:41:52,949 --> 00:41:57,149  
just not even take seriously yeah

1066  
00:41:55,139 --> 00:41:59,009  
otherwise I guess would be turning to

1067  
00:41:57,150 --> 00:42:01,139  
these people for some some more factual

1068  
00:41:59,010 --> 00:42:03,330  
heads up in terms of you know what lies

1069  
00:42:01,139 --> 00:42:04,980

around the corner it would be nice to

1070

00:42:03,329 --> 00:42:06,900

know and I know a certain ex prime

1071

00:42:04,980 --> 00:42:08,670

minister who would have just really

1072

00:42:06,900 --> 00:42:10,530

appreciated knowing that he would have

1073

00:42:08,670 --> 00:42:12,180

been turfed out from office last year

1074

00:42:10,530 --> 00:42:13,590

and that's a fair point to yet he would

1075

00:42:12,179 --> 00:42:16,349

have been the first in to get his palm

1076

00:42:13,590 --> 00:42:18,600

read or a retread oryza tarot cards read

1077

00:42:16,349 --> 00:42:21,059

Richard Saunders from the Australian

1078

00:42:18,599 --> 00:42:22,289

skeptics dot-com dot I you thank you for

1079

00:42:21,059 --> 00:42:23,730

your time as always we'll talk some more

1080

00:42:22,289 --> 00:42:25,289

down the track go forward to a clam

1081

00:42:23,730 --> 00:42:28,230

Richard Saunders here joining us with

1082

00:42:25,289 --> 00:42:30,449

that with his take on why it is that the

1083

00:42:28,230 --> 00:42:33,269

the psychics who like to look at the

1084  
00:42:30,449 --> 00:42:35,369  
year in in detail and tell us what's

1085  
00:42:33,269 --> 00:42:37,230  
about to happen weren't able to predict

1086  
00:42:35,369 --> 00:42:40,099  
the fact that there was a flood about to

1087  
00:42:37,230 --> 00:42:40,099  
devastate Queensland

1088  
00:42:42,420 --> 00:42:55,269  
join us now for drinking skeptically in

1089  
00:42:45,818 --> 00:42:57,730  
the think tank and it's a big welcome

1090  
00:42:55,269 --> 00:42:59,199  
once again at our favorite club down the

1091  
00:42:57,730 --> 00:43:01,809  
end of the street and just around the

1092  
00:42:59,199 --> 00:43:03,578  
corner a bit and i'll stop as Maynard's

1093  
00:43:01,809 --> 00:43:05,760  
telling me to stop it's welcome to the

1094  
00:43:03,579 --> 00:43:09,010  
think tank and joining me as always

1095  
00:43:05,760 --> 00:43:11,230  
before we get to may not oh yes is dr.

1096  
00:43:09,010 --> 00:43:14,470  
HC hi dr. a chief hi Richard how are you

1097  
00:43:11,230 --> 00:43:19,990  
today I'm will i'm on my 4th iphone

1098  
00:43:14,469 --> 00:43:22,269  
today yeah yeah I'll fail whole at a

1099  
00:43:19,989 --> 00:43:25,358  
fail an epic fail and every foul cuz i

1100  
00:43:22,269 --> 00:43:27,608  
recorded an interview you did on radio

1101  
00:43:25,358 --> 00:43:29,318  
this morning on my iphone and a little

1102  
00:43:27,608 --> 00:43:30,880  
app and it failed and I've lost it I

1103  
00:43:29,318 --> 00:43:32,349  
know I was just disappointing because I

1104  
00:43:30,880 --> 00:43:34,059  
wanted to actually hear it um I just

1105  
00:43:32,349 --> 00:43:35,920  
only had about three or four minutes on

1106  
00:43:34,059 --> 00:43:37,660  
a community station it was good just

1107  
00:43:35,920 --> 00:43:39,608  
about what skeptics believe and what we

1108  
00:43:37,659 --> 00:43:42,429  
do and why we do it and yeah so it was

1109  
00:43:39,608 --> 00:43:44,500  
good but so happy all you only try we'll

1110  
00:43:42,429 --> 00:43:47,230  
try maybe we can resurrect next week and

1111  
00:43:44,500 --> 00:43:48,760  
speaking about resurrections its main

1112

00:43:47,230 --> 00:43:50,409  
art it's great to be back in the major

1113  
00:43:48,760 --> 00:43:53,079  
club here again this is an exciting

1114  
00:43:50,409 --> 00:43:55,769  
venue isn't it it is it really is

1115  
00:43:53,079 --> 00:43:58,390  
various happening tonight it is an

1116  
00:43:55,769 --> 00:44:00,309  
international guests we have joining us

1117  
00:43:58,389 --> 00:44:04,298  
all the way from the grain at stake it's

1118  
00:44:00,309 --> 00:44:06,280  
our stake I'm thinking about steaks from

1119  
00:44:04,298 --> 00:44:08,769  
the Granite State it's our good friend

1120  
00:44:06,280 --> 00:44:11,339  
and North American office manager for

1121  
00:44:08,769 --> 00:44:14,639  
the skeptic zone Travis Troy hi Travis

1122  
00:44:11,338 --> 00:44:17,469  
hey Richard hey guys glad to be here

1123  
00:44:14,639 --> 00:44:19,239  
virtually he's virtually here it's good

1124  
00:44:17,469 --> 00:44:20,739  
to have you yes in the think tank Travis

1125  
00:44:19,239 --> 00:44:25,118  
you've been on think tank before when it

1126  
00:44:20,739 --> 00:44:26,679

was in Las Vegas I think yes yes so that

1127

00:44:25,119 --> 00:44:30,789

was a lot of fun and I hope this is

1128

00:44:26,679 --> 00:44:34,029

equally enjoyable so do we and it's

1129

00:44:30,789 --> 00:44:35,679

james sheepy hi james at everyone of

1130

00:44:34,030 --> 00:44:37,359

course the bastard cheap as he's known

1131

00:44:35,679 --> 00:44:40,960

on Twitter and around the world and on

1132

00:44:37,358 --> 00:44:42,699

the internet no it's been an interesting

1133

00:44:40,960 --> 00:44:44,139

week in skepticism it's always an

1134

00:44:42,699 --> 00:44:48,000

interesting where you can skepticism I'd

1135

00:44:44,139 --> 00:44:52,058

like to kick off the 10 23 is gathering

1136

00:44:48,000 --> 00:44:53,530

momentum the big homeopathy protest and

1137

00:44:52,059 --> 00:44:54,970

campaign things like that coming up

1138

00:44:53,530 --> 00:44:56,769

where people are going to overdose early

1139

00:44:54,969 --> 00:44:58,568

next month and I noticed that the

1140

00:44:56,769 --> 00:45:00,849

senator inquiry or the committee for

1141  
00:44:58,568 --> 00:45:03,298  
skeptical inquiry

1142  
00:45:00,849 --> 00:45:07,960  
and as James pulls up the web page I've

1143  
00:45:03,298 --> 00:45:12,278  
released a huge statement about Rilly

1144  
00:45:07,960 --> 00:45:13,630  
against Walmart oh yes I see the war

1145  
00:45:12,278 --> 00:45:15,219  
might have got their own brand of

1146  
00:45:13,630 --> 00:45:17,890  
homeopathic medicine just like boots

1147  
00:45:15,219 --> 00:45:20,409  
over in the UK does yeah and so that's

1148  
00:45:17,889 --> 00:45:21,778  
the main target of the 10 23 campaign in

1149  
00:45:20,409 --> 00:45:25,210  
America that's what it's going to be

1150  
00:45:21,778 --> 00:45:27,568  
warm up that's fascinating it's it's

1151  
00:45:25,210 --> 00:45:29,889  
this this whole 1023 thing is just

1152  
00:45:27,568 --> 00:45:32,469  
growing so much it's going to be

1153  
00:45:29,889 --> 00:45:34,449  
thousands of people this year you know

1154  
00:45:32,469 --> 00:45:36,639  
that it's huge I mean one of the things

1155  
00:45:34,449 --> 00:45:38,348  
that's interesting though Richard is in

1156  
00:45:36,639 --> 00:45:40,509  
America people have been warned to be

1157  
00:45:38,349 --> 00:45:42,160  
very careful about which homeopathic

1158  
00:45:40,509 --> 00:45:44,978  
remedy they select for the overdose

1159  
00:45:42,159 --> 00:45:46,989  
because some homeopathic remedies in the

1160  
00:45:44,978 --> 00:45:50,439  
u.s. actually have active ingredients

1161  
00:45:46,989 --> 00:45:52,960  
really yes so if you are going to be

1162  
00:45:50,440 --> 00:45:54,548  
going to an overdose in the States make

1163  
00:45:52,960 --> 00:45:57,460  
sure you check with your organizer as to

1164  
00:45:54,548 --> 00:45:59,679  
what is a safe in other words nothing in

1165  
00:45:57,460 --> 00:46:02,409  
it homeopathy products because some of

1166  
00:45:59,679 --> 00:46:04,960  
them are not truly homeopathic Wow or

1167  
00:46:02,409 --> 00:46:07,358  
you could just take a bag of candy well

1168  
00:46:04,960 --> 00:46:09,219  
that's not really good I mean it kind of

1169

00:46:07,358 --> 00:46:12,219  
is the point but you really need to use

1170  
00:46:09,219 --> 00:46:13,960  
the real brand stuff to get your point

1171  
00:46:12,219 --> 00:46:16,420  
across you do even the off-the-shelf

1172  
00:46:13,960 --> 00:46:19,150  
ones most of them have got majority of

1173  
00:46:16,420 --> 00:46:20,469  
the products are 3 C or 6 C which isn't

1174  
00:46:19,150 --> 00:46:22,930  
very much at all there's still active

1175  
00:46:20,469 --> 00:46:25,358  
ingredients in those cases Wow so if you

1176  
00:46:22,929 --> 00:46:27,429  
go over dose it could be possibly sauces

1177  
00:46:25,358 --> 00:46:29,228  
ability so you need to be careful yeah

1178  
00:46:27,429 --> 00:46:31,179  
and what about your natural herbs like

1179  
00:46:29,228 --> 00:46:33,129  
valarium if you took a lot of valerian

1180  
00:46:31,179 --> 00:46:34,298  
could that be dangerous too if you take

1181  
00:46:33,130 --> 00:46:35,739  
too much of anything that can be

1182  
00:46:34,298 --> 00:46:38,108  
dangerous because I you actually got to

1183  
00:46:35,739 --> 00:46:39,429

look up what these products are what the

1184

00:46:38,108 --> 00:46:42,130

things that are in high doses anyway

1185

00:46:39,429 --> 00:46:43,538

look them up and see okay how much can i

1186

00:46:42,130 --> 00:46:45,460

take it is something as simple as coffee

1187

00:46:43,539 --> 00:46:47,589

ah which you can drinking coffee every

1188

00:46:45,460 --> 00:46:49,329

single day no problems take as many

1189

00:46:47,588 --> 00:46:50,768

pills as you like so what's the sum of

1190

00:46:49,329 --> 00:46:53,950

the other ingredients they can be

1191

00:46:50,768 --> 00:46:57,008

dangerous the website there is a psychic

1192

00:46:53,949 --> 00:46:59,439

org and you can just do a search on

1193

00:46:57,009 --> 00:47:02,318

their website or if you just Google CSI

1194

00:46:59,440 --> 00:47:03,489

and 1023 that you can find out the

1195

00:47:02,318 --> 00:47:06,699

information about that yes but the

1196

00:47:03,489 --> 00:47:08,528

message is clear all around the world if

1197

00:47:06,699 --> 00:47:10,098

you are taking part in the 10 23

1198  
00:47:08,528 --> 00:47:13,880  
campaign be damn sure

1199  
00:47:10,099 --> 00:47:17,930  
what you're taking is indeed sugar with

1200  
00:47:13,880 --> 00:47:20,568  
no active ingredient we're pretty safe

1201  
00:47:17,929 --> 00:47:23,058  
in Australia I'm guzzling you too Rachel

1202  
00:47:20,568 --> 00:47:26,150  
we've dozens and thousands of but we've

1203  
00:47:23,059 --> 00:47:29,778  
got 30 C so what about you Travis see

1204  
00:47:26,150 --> 00:47:31,940  
you guys participating in 10 23 I know

1205  
00:47:29,778 --> 00:47:34,429  
we're not Nets specifically because of

1206  
00:47:31,940 --> 00:47:37,670  
that concern we don't really have enough

1207  
00:47:34,429 --> 00:47:40,219  
time before the event in order to do

1208  
00:47:37,670 --> 00:47:42,559  
proper research and get something that

1209  
00:47:40,219 --> 00:47:44,719  
we know is safe and I know I've been in

1210  
00:47:42,559 --> 00:47:46,849  
contact with a couple other grassroots

1211  
00:47:44,719 --> 00:47:49,368  
groups and local groups that have the

1212  
00:47:46,849 --> 00:47:50,630  
same concern so we're good we're still

1213  
00:47:49,369 --> 00:47:52,278  
not sure exactly what we're going to be

1214  
00:47:50,630 --> 00:47:54,559  
doing if anything but it will probably

1215  
00:47:52,278 --> 00:47:58,150  
be more on just education and doing

1216  
00:47:54,559 --> 00:48:02,420  
examples of how they mix the homeopathic

1217  
00:47:58,150 --> 00:48:04,489  
remedies so Travis can ask the question

1218  
00:48:02,420 --> 00:48:07,579  
then is is homeopathy really homeopathy

1219  
00:48:04,489 --> 00:48:09,710  
in the u.s. if it's got an active

1220  
00:48:07,579 --> 00:48:11,359  
ingredient I mean how do you define it

1221  
00:48:09,710 --> 00:48:14,329  
as homeopathy if there's an active

1222  
00:48:11,358 --> 00:48:16,940  
ingredient in it well that's the problem

1223  
00:48:14,329 --> 00:48:21,109  
I mean you can find places that there's

1224  
00:48:16,940 --> 00:48:25,519  
a local like farmer's market kind of

1225  
00:48:21,108 --> 00:48:29,348  
store that has homeopathic remedies that

1226

00:48:25,518 --> 00:48:33,108  
seem to be legit and actual homeopathic

1227  
00:48:29,349 --> 00:48:34,940  
remedies but the problem is is with the

1228  
00:48:33,108 --> 00:48:36,409  
regulation because they're kind of

1229  
00:48:34,940 --> 00:48:39,650  
classified as supplements and

1230  
00:48:36,409 --> 00:48:42,528  
supplements are unregulated so it's it's

1231  
00:48:39,650 --> 00:48:43,940  
really hard to just say you have to

1232  
00:48:42,528 --> 00:48:46,190  
really look because the problem is is

1233  
00:48:43,940 --> 00:48:47,929  
with there was one recent in recent

1234  
00:48:46,190 --> 00:48:49,429  
history as I can't wear it actually had

1235  
00:48:47,929 --> 00:48:52,338  
zinc and it caused people to lose their

1236  
00:48:49,429 --> 00:48:54,228  
sense of smell so with the fact that

1237  
00:48:52,338 --> 00:48:56,630  
there has been something that has had an

1238  
00:48:54,228 --> 00:48:58,939  
active ingredient so recently and has

1239  
00:48:56,630 --> 00:49:00,979  
had a lasting effect that that makes us

1240  
00:48:58,940 --> 00:49:02,929

worried so I think that's really

1241  
00:49:00,978 --> 00:49:05,149  
interesting because you and I have often

1242  
00:49:02,929 --> 00:49:08,028  
Richard and I have often thought about

1243  
00:49:05,150 --> 00:49:10,489  
how they make homeopathy in Australia I

1244  
00:49:08,028 --> 00:49:12,259  
mean I have to admit I have thought of

1245  
00:49:10,489 --> 00:49:14,838  
all these rows and rows of on panel pass

1246  
00:49:12,259 --> 00:49:17,420  
who banging something against you know a

1247  
00:49:14,838 --> 00:49:19,248  
leather-bound something keepo in c like

1248  
00:49:17,420 --> 00:49:21,200  
like um Willy Wonka and the Chocolate

1249  
00:49:19,248 --> 00:49:22,608  
Factory I'm sure it's not like that but

1250  
00:49:21,199 --> 00:49:25,518  
we have

1251  
00:49:22,608 --> 00:49:27,259  
we have sort of thought about whether

1252  
00:49:25,518 --> 00:49:29,419  
that actually add anything or whether

1253  
00:49:27,259 --> 00:49:31,039  
they do the deletions and and what we

1254  
00:49:29,420 --> 00:49:33,079  
thought was they probably just make the

1255  
00:49:31,039 --> 00:49:34,910  
pills and put them in the package and be

1256  
00:49:33,079 --> 00:49:37,759  
honest the mass-produced homie off

1257  
00:49:34,909 --> 00:49:39,768  
homeopathy coming up pathak pills you

1258  
00:49:37,759 --> 00:49:41,869  
can buy here in the pharmacies which

1259  
00:49:39,768 --> 00:49:44,088  
there must be many hundreds and upon

1260  
00:49:41,869 --> 00:49:46,338  
hundreds of thousands all over the

1261  
00:49:44,088 --> 00:49:48,768  
country I strongly suspect there's a

1262  
00:49:46,338 --> 00:49:52,088  
machine somewhere which simply makes

1263  
00:49:48,768 --> 00:49:54,498  
sugar pills packaged and out they go I

1264  
00:49:52,088 --> 00:49:55,759  
know I'd like to go into the factory and

1265  
00:49:54,498 --> 00:49:57,318  
see what really goes on but I can't

1266  
00:49:55,759 --> 00:49:59,568  
believe that they've actually gone

1267  
00:49:57,318 --> 00:50:01,849  
through any process with any ingredients

1268  
00:49:59,568 --> 00:50:04,190  
whatsoever why would they bother well

1269  
00:50:01,849 --> 00:50:05,960  
exactly which makes me curious as to

1270  
00:50:04,190 --> 00:50:07,999  
what Travis is saying that in the States

1271  
00:50:05,960 --> 00:50:10,009  
some of them do have active ingredients

1272  
00:50:07,998 --> 00:50:11,929  
you know what why bother it's I mean I

1273  
00:50:10,009 --> 00:50:13,818  
suppose in that instance is just a

1274  
00:50:11,929 --> 00:50:15,739  
marketing tool isn't it to call it

1275  
00:50:13,818 --> 00:50:17,119  
homeopathic rather than I think so and

1276  
00:50:15,739 --> 00:50:18,739  
you know the company I'm talking about

1277  
00:50:17,119 --> 00:50:20,660  
oh yes I do know the come away from

1278  
00:50:18,739 --> 00:50:22,489  
South Australia I'm gonna miniature the

1279  
00:50:20,659 --> 00:50:24,078  
brower company now Australians can walk

1280  
00:50:22,489 --> 00:50:25,670  
into just about any pharmacy and find

1281  
00:50:24,079 --> 00:50:30,079  
boxes of sugar pills from the brow

1282  
00:50:25,670 --> 00:50:31,818  
company and I look I don't have evidence

1283

00:50:30,079 --> 00:50:33,950  
for this but I why would they bother

1284  
00:50:31,818 --> 00:50:36,440  
doing a process when they could just

1285  
00:50:33,949 --> 00:50:39,318  
sell sugar pills put homeopathic on the

1286  
00:50:36,440 --> 00:50:42,048  
side make up whatever they like and sell

1287  
00:50:39,318 --> 00:50:44,449  
them well cuz Travis similarly to you in

1288  
00:50:42,048 --> 00:50:47,239  
Australia homeopathy products are not

1289  
00:50:44,449 --> 00:50:51,108  
regulated either you just have to when

1290  
00:50:47,239 --> 00:50:53,539  
you apply for a government number to get

1291  
00:50:51,108 --> 00:50:57,619  
them into pharmacy as you just say it's

1292  
00:50:53,539 --> 00:50:59,630  
got 30 c of a silly a minute it's got 30

1293  
00:50:57,619 --> 00:51:01,430  
sea of blood but you don't ever test

1294  
00:50:59,630 --> 00:51:03,499  
that and they don't ask you for evidence

1295  
00:51:01,429 --> 00:51:05,358  
they ask you to have that evidence on

1296  
00:51:03,498 --> 00:51:07,368  
you in case they one day might ask you

1297  
00:51:05,358 --> 00:51:09,199

for it but they don't ask that for us up

1298

00:51:07,369 --> 00:51:11,059

front so you don't know what you take

1299

00:51:09,199 --> 00:51:15,078

did you see that report from canada

1300

00:51:11,059 --> 00:51:17,239

travis that was recently on no i didn't

1301

00:51:15,079 --> 00:51:19,190

do that that was on the MarketWatch the

1302

00:51:17,239 --> 00:51:21,318

canadian program that exposed homeopathy

1303

00:51:19,190 --> 00:51:24,380

in canada that was interesting because

1304

00:51:21,318 --> 00:51:25,880

they took the preparations bought from

1305

00:51:24,380 --> 00:51:28,309

the pharmacy to a

1306

00:51:25,880 --> 00:51:31,400

laboratory we had them analyzed nicety

1307

00:51:28,309 --> 00:51:35,090

there's nothing Indies what what what

1308

00:51:31,400 --> 00:51:38,000

there was what nothing in them with our

1309

00:51:35,090 --> 00:51:40,130

elderly because and that was it yeah can

1310

00:51:38,000 --> 00:51:42,139

I tell my unregulated supplements

1311

00:51:40,130 --> 00:51:43,430

storing out that's okay yes go for I

1312  
00:51:42,139 --> 00:51:45,230  
have actually told this before I don't

1313  
00:51:43,429 --> 00:51:47,299  
know if I hepatology here in the early

1314  
00:51:45,230 --> 00:51:49,940  
90s I was taking a i think was called an

1315  
00:51:47,300 --> 00:51:52,130  
l-lysine complex supplement i used to

1316  
00:51:49,940 --> 00:51:53,659  
buy it from a health food shop just need

1317  
00:51:52,130 --> 00:51:55,880  
Kings crosses him William Street just

1318  
00:51:53,659 --> 00:51:59,000  
going up the road of the coke sign and I

1319  
00:51:55,880 --> 00:52:00,440  
was getting very very ill um i was

1320  
00:51:59,000 --> 00:52:02,000  
sleeping very badly i was getting our

1321  
00:52:00,440 --> 00:52:04,070  
artists in every single jointed my body

1322  
00:52:02,000 --> 00:52:05,869  
except my knees i went to see professor

1323  
00:52:04,070 --> 00:52:08,870  
penny who at that time was the chief

1324  
00:52:05,869 --> 00:52:10,759  
immunologist in sydney who tested me for

1325  
00:52:08,869 --> 00:52:12,170  
everything under the Sun immunologically

1326  
00:52:10,760 --> 00:52:14,090  
lies could not find anything wrong with

1327  
00:52:12,170 --> 00:52:15,440  
me this supplement was suddenly taken

1328  
00:52:14,090 --> 00:52:16,730  
off the market by the Australian

1329  
00:52:15,440 --> 00:52:19,130  
Government I was very angry couldn't get

1330  
00:52:16,730 --> 00:52:20,929  
this to help me sleep anymore end of

1331  
00:52:19,130 --> 00:52:22,730  
story I recovered slowly now and knew

1332  
00:52:20,929 --> 00:52:24,109  
what it was like professor penny didn't

1333  
00:52:22,730 --> 00:52:25,909  
know what it was either it came and went

1334  
00:52:24,110 --> 00:52:27,740  
it just enough every virus possibly

1335  
00:52:25,909 --> 00:52:30,049  
could a couple years later I was

1336  
00:52:27,739 --> 00:52:32,509  
watching the Discovery Channel and the

1337  
00:52:30,050 --> 00:52:35,240  
main supplier of Allah same complex in

1338  
00:52:32,510 --> 00:52:38,510  
Japan had contaminated with Strickland

1339  
00:52:35,239 --> 00:52:39,919  
their their their product and it had

1340

00:52:38,510 --> 00:52:41,300  
been pulled from all over the world now

1341  
00:52:39,920 --> 00:52:42,740  
I'm pretty sure that's what it was and

1342  
00:52:41,300 --> 00:52:44,539  
that is what I've been here giving

1343  
00:52:42,739 --> 00:52:46,819  
myself a low dose of strychnine

1344  
00:52:44,539 --> 00:52:50,179  
poisoning is that right that's why your

1345  
00:52:46,820 --> 00:52:51,950  
complexion looks so well yeah and I I

1346  
00:52:50,179 --> 00:52:53,869  
just wonder you know if anyone had been

1347  
00:52:51,949 --> 00:52:55,069  
taking a high dose than I had what some

1348  
00:52:53,869 --> 00:52:56,750  
of the negative effects could have

1349  
00:52:55,070 --> 00:52:58,460  
unusually but it really was and I

1350  
00:52:56,750 --> 00:52:59,780  
couldn't figure out that he was just

1351  
00:52:58,460 --> 00:53:00,860  
health food supplement I would never

1352  
00:52:59,780 --> 00:53:02,640  
have thought that something I'll take

1353  
00:53:00,860 --> 00:53:05,370  
for them is it for

1354  
00:53:02,639 --> 00:53:07,379

killing animals yeah and I'm sure it

1355

00:53:05,369 --> 00:53:08,929

kills people in the amount to it's also

1356

00:53:07,380 --> 00:53:11,010

been known to add to certain

1357

00:53:08,929 --> 00:53:12,599

recreational drugs from place to kick of

1358

00:53:11,010 --> 00:53:14,070

them in small amounts as well over the

1359

00:53:12,599 --> 00:53:17,849

years but still it's not something you

1360

00:53:14,070 --> 00:53:19,740

want no my server right frankly it's not

1361

00:53:17,849 --> 00:53:21,809

so annoyed that the government took my

1362

00:53:19,739 --> 00:53:24,989

supplement off the shelf how did I take

1363

00:53:21,809 --> 00:53:28,110

your strychnine away from you all right

1364

00:53:24,989 --> 00:53:29,879

now may not why you're sitting across

1365

00:53:28,110 --> 00:53:32,730

from me and having a conversation let's

1366

00:53:29,880 --> 00:53:34,230

let's now talk and as I promised at the

1367

00:53:32,730 --> 00:53:37,889

top of the show let's talk briefly about

1368

00:53:34,230 --> 00:53:40,949

the interview you conducted look I've

1369  
00:53:37,889 --> 00:53:43,949  
known Jessica for almost as long as she

1370  
00:53:40,949 --> 00:53:47,069  
has been an astrologer I find her to be

1371  
00:53:43,949 --> 00:53:48,809  
completely genuine um and that interview

1372  
00:53:47,070 --> 00:53:51,059  
is one of the few examples you'll get of

1373  
00:53:48,809 --> 00:53:52,739  
the skeptics you guys were happy with

1374  
00:53:51,059 --> 00:53:54,119  
interview Jessica was happy with the

1375  
00:53:52,739 --> 00:53:55,769  
interview I was happy with interview I

1376  
00:53:54,119 --> 00:53:58,949  
think she represented representing us up

1377  
00:53:55,769 --> 00:54:00,869  
well let's just define a word here at

1378  
00:53:58,949 --> 00:54:04,019  
the moment as I was interested in your

1379  
00:54:00,869 --> 00:54:07,289  
word genuine now when you say genuine

1380  
00:54:04,019 --> 00:54:09,900  
you mean sincere yes alright and

1381  
00:54:07,289 --> 00:54:12,989  
consistent within her own reality right

1382  
00:54:09,900 --> 00:54:16,380  
so just to be clear you're not you're

1383  
00:54:12,989 --> 00:54:18,659  
not suggesting or putting yourself over

1384  
00:54:16,380 --> 00:54:20,700  
saying that genuine meaning what she

1385  
00:54:18,659 --> 00:54:23,339  
says was correct you're saying she is a

1386  
00:54:20,699 --> 00:54:26,549  
genuine person in that she is sincere

1387  
00:54:23,340 --> 00:54:27,990  
that is correct and the all the

1388  
00:54:26,550 --> 00:54:30,690  
interactions I've had with her over the

1389  
00:54:27,989 --> 00:54:33,000  
years have been genuine ones and like I

1390  
00:54:30,690 --> 00:54:35,849  
said um she's certainly consistent

1391  
00:54:33,000 --> 00:54:39,480  
within her own reality and and and I

1392  
00:54:35,849 --> 00:54:41,849  
can't even say it about myself all right

1393  
00:54:39,480 --> 00:54:43,889  
now here's what we want you to do dear

1394  
00:54:41,849 --> 00:54:45,839  
listeners you heard the interview that

1395  
00:54:43,889 --> 00:54:48,809  
may not conducted with Jessica Adams

1396  
00:54:45,840 --> 00:54:52,530  
earlier in the show and I'm sure you all

1397

00:54:48,809 --> 00:54:54,029  
have your opinions about it we're not

1398  
00:54:52,530 --> 00:54:57,269  
going to sit here on the skeptic zone

1399  
00:54:54,030 --> 00:54:58,800  
and look at her interview line by line

1400  
00:54:57,269 --> 00:55:01,829  
and point this out and point that out

1401  
00:54:58,800 --> 00:55:03,840  
I'd like you all to do that now and you

1402  
00:55:01,829 --> 00:55:05,460  
can imagine I personally have very

1403  
00:55:03,840 --> 00:55:08,250  
strong opinions on what Jessica Adams

1404  
00:55:05,460 --> 00:55:10,670  
said to Maynard and some of her

1405  
00:55:08,250 --> 00:55:15,659  
her responses and her points of view if

1406  
00:55:10,670 --> 00:55:17,550  
you want to comment yourself and point

1407  
00:55:15,659 --> 00:55:20,369  
out what you think she said right or

1408  
00:55:17,550 --> 00:55:23,490  
wrong let's do that go to the skeptic

1409  
00:55:20,369 --> 00:55:26,219  
zone skeptics and TV click the the

1410  
00:55:23,489 --> 00:55:28,529  
comments link for this episode 119 and

1411  
00:55:26,219 --> 00:55:31,379

let's have a good discussion about it I

1412  
00:55:28,530 --> 00:55:33,330  
would be interested for you especially

1413  
00:55:31,380 --> 00:55:36,990  
people sort of new to the skeptical

1414  
00:55:33,329 --> 00:55:40,049  
world see what you thought about her her

1415  
00:55:36,989 --> 00:55:41,399  
point of view her answers and where she

1416  
00:55:40,050 --> 00:55:43,110  
was going I think that's the best thing

1417  
00:55:41,400 --> 00:55:45,210  
we can do man out and just to remind you

1418  
00:55:43,110 --> 00:55:47,849  
that is moderated so if you come on and

1419  
00:55:45,210 --> 00:55:51,449  
say oh I think she was she was awful and

1420  
00:55:47,849 --> 00:55:52,949  
what a stupid woman or or the reverse if

1421  
00:55:51,449 --> 00:55:55,079  
you come on and say you skeptics are a

1422  
00:55:52,949 --> 00:55:57,449  
bunch of fools it won't get through so

1423  
00:55:55,079 --> 00:55:59,250  
polite comments please and we'll see

1424  
00:55:57,449 --> 00:56:00,779  
where that takes us but also what we are

1425  
00:55:59,250 --> 00:56:01,980  
interested to is do you think that's the

1426  
00:56:00,780 --> 00:56:03,870  
kind of thing we should have on the step

1427  
00:56:01,980 --> 00:56:05,429  
skeptical zone because I mean it would be

1428  
00:56:03,869 --> 00:56:07,109  
hard to get someone like that on a

1429  
00:56:05,429 --> 00:56:09,239  
podcast like this in the first place and

1430  
00:56:07,110 --> 00:56:11,730  
you know is it it's good to know how

1431  
00:56:09,239 --> 00:56:12,989  
astrology works well personally it just

1432  
00:56:11,730 --> 00:56:17,130  
from my point of view every now and then

1433  
00:56:12,989 --> 00:56:19,079  
I don't see any harm I I like it's why

1434  
00:56:17,130 --> 00:56:21,030  
we go to mind/body wallet ray cheap

1435  
00:56:19,079 --> 00:56:22,949  
exactly so it's good to see where other

1436  
00:56:21,030 --> 00:56:24,900  
people are coming from where's their

1437  
00:56:22,949 --> 00:56:26,969  
mind to research and education you know

1438  
00:56:24,900 --> 00:56:29,130  
so listen as I hope you took it in that

1439  
00:56:26,969 --> 00:56:32,039  
light I mean we're not for one moment

1440  
00:56:29,130 --> 00:56:35,039  
saying we've turned to astrology but I

1441  
00:56:32,039 --> 00:56:37,019  
wanted you to hear the the thinking the

1442  
00:56:35,039 --> 00:56:38,400  
mindset of these sort of people and

1443  
00:56:37,019 --> 00:56:40,650  
particularly in Jessica was saying about

1444  
00:56:38,400 --> 00:56:43,110  
the testing of astrology too and you

1445  
00:56:40,650 --> 00:56:44,670  
know the to science and astrology will

1446  
00:56:43,110 --> 00:56:45,900  
never meet because they're not agreeing

1447  
00:56:44,670 --> 00:56:47,789  
on the same terms and they're not

1448  
00:56:45,900 --> 00:56:49,050  
measuring the same thing so that's why

1449  
00:56:47,789 --> 00:56:51,630  
you're never going to be able to get

1450  
00:56:49,050 --> 00:56:52,890  
anybody going for the Randy test and

1451  
00:56:51,630 --> 00:56:55,079  
pass it because the two of them don't

1452  
00:56:52,889 --> 00:56:56,579  
talk the same language now Travis I know

1453  
00:56:55,079 --> 00:56:58,349  
that you haven't heard this interview

1454

00:56:56,579 --> 00:57:01,170  
yet because we're sort of recording this

1455  
00:56:58,349 --> 00:57:03,389  
a little bit out of sequence but I'd be

1456  
00:57:01,170 --> 00:57:07,920  
welcome your input too after the show

1457  
00:57:03,389 --> 00:57:09,779  
goes out yeah that finale and I share it

1458  
00:57:07,920 --> 00:57:12,059  
around with the Granite State and

1459  
00:57:09,780 --> 00:57:15,180  
granted snakes get big folks Travis tell

1460  
00:57:12,059 --> 00:57:15,739  
us about it do you have any astrologers

1461  
00:57:15,179 --> 00:57:19,639  
in there

1462  
00:57:15,739 --> 00:57:23,149  
and not to my knowledge but the but

1463  
00:57:19,639 --> 00:57:24,980  
granted skeptics is going well we meet

1464  
00:57:23,150 --> 00:57:26,809  
the second monday of every month at a

1465  
00:57:24,980 --> 00:57:29,480  
place called wings your way in

1466  
00:57:26,809 --> 00:57:32,360  
Manchester New Hampshire Richard was

1467  
00:57:29,480 --> 00:57:34,070  
kind enough to do a talk at one of our

1468  
00:57:32,360 --> 00:57:36,800

meetings via Skype which went

1469

00:57:34,070 --> 00:57:38,210

surprisingly well and kind of shocked

1470

00:57:36,800 --> 00:57:41,320

one of the waitresses because I don't

1471

00:57:38,210 --> 00:57:44,780

think of course she realized it was live

1472

00:57:41,320 --> 00:57:47,059

but I know things are going good Dale

1473

00:57:44,780 --> 00:57:49,340

but my wife and the Vice President is

1474

00:57:47,059 --> 00:57:51,380

currently planning a skeptic amp that we

1475

00:57:49,340 --> 00:57:54,230

hope to be doing some time between Nexus

1476

00:57:51,380 --> 00:57:56,930

and tam and we're planning on getting

1477

00:57:54,230 --> 00:57:58,639

ready to go down the Nexus and yeah

1478

00:57:56,929 --> 00:58:01,639

things are going fantastically well I

1479

00:57:58,639 --> 00:58:03,589

really I got a kick out of doing that

1480

00:58:01,639 --> 00:58:06,469

talk for your group Travis because just

1481

00:58:03,590 --> 00:58:09,170

to remind everybody I was doing it by a

1482

00:58:06,469 --> 00:58:11,480

video from Australia on skype drivers

1483  
00:58:09,170 --> 00:58:13,250  
had my powerpoint presentation so the

1484  
00:58:11,480 --> 00:58:15,380  
audience could see me on video they

1485  
00:58:13,250 --> 00:58:18,139  
could see my powerpoint presentation and

1486  
00:58:15,380 --> 00:58:20,030  
when I and I could see them it and it

1487  
00:58:18,139 --> 00:58:22,039  
worked fantastically well it was amazing

1488  
00:58:20,030 --> 00:58:24,170  
and also you were doing it in your

1489  
00:58:22,039 --> 00:58:28,880  
pajamas weren't you Richard probably it

1490  
00:58:24,170 --> 00:58:32,180  
no my pajama jeans in fact oh no not

1491  
00:58:28,880 --> 00:58:34,730  
pajama things you don't want ed to know

1492  
00:58:32,179 --> 00:58:36,469  
that what the hell a pajama jeans may

1493  
00:58:34,730 --> 00:58:43,070  
not is the reason why nobody should wear

1494  
00:58:36,469 --> 00:58:45,618  
pants Reynaud pajama jeans are right up

1495  
00:58:43,070 --> 00:58:47,330  
your alley they are the clip may know

1496  
00:58:45,619 --> 00:58:50,059  
you should leave you google you will

1497  
00:58:47,329 --> 00:58:52,309  
guys you bear love it really an ad on

1498  
00:58:50,059 --> 00:58:53,929  
the in the US for these jeans that are

1499  
00:58:52,309 --> 00:58:55,699  
so comfortable they're like wear pajamas

1500  
00:58:53,929 --> 00:58:58,429  
but i think they are pajamas that look

1501  
00:58:55,699 --> 00:59:00,230  
like jeans no there but jeans does

1502  
00:58:58,429 --> 00:59:03,469  
comfortable as pajamas and they Travis

1503  
00:59:00,230 --> 00:59:05,780  
dinner terms of what happens early they

1504  
00:59:03,469 --> 00:59:07,608  
look like jeans they look like jeans

1505  
00:59:05,780 --> 00:59:08,810  
they have fake pockets and everything

1506  
00:59:07,608 --> 00:59:11,358  
they're they're great and there's

1507  
00:59:08,809 --> 00:59:13,880  
actually uh just to go off a little bit

1508  
00:59:11,358 --> 00:59:16,340  
there's a there's a fantastic blog it's

1509  
00:59:13,880 --> 00:59:18,019  
called ridiculous infomercials and I

1510  
00:59:16,340 --> 00:59:20,840  
think I saw it there first but they have

1511

00:59:18,019 --> 00:59:22,608  
tons and tons of other stuff and a lot

1512  
00:59:20,840 --> 00:59:25,010  
of it is actually kind of whoa related

1513  
00:59:22,608 --> 00:59:27,319  
so it's it's a it's on my google reader

1514  
00:59:25,010 --> 00:59:28,880  
list but it's a great web sunshine this

1515  
00:59:27,320 --> 00:59:29,250  
could be bigger than the snuggie or the

1516  
00:59:28,880 --> 00:59:33,660  
slang

1517  
00:59:29,250 --> 00:59:35,219  
it I don't know about that but they've

1518  
00:59:33,659 --> 00:59:37,529  
definitely been pushing him hard over

1519  
00:59:35,219 --> 00:59:40,109  
here and I I haven't seen anybody

1520  
00:59:37,530 --> 00:59:42,510  
actually wearing them but they said on

1521  
00:59:40,110 --> 00:59:44,430  
the TV today a pajama jeans is what

1522  
00:59:42,510 --> 00:59:46,200  
people who wear snuggies are too lazy to

1523  
00:59:44,429 --> 00:59:48,269  
wear or something like that so you sort

1524  
00:59:46,199 --> 00:59:50,309  
out on Australian television they were

1525  
00:59:48,269 --> 00:59:55,500

discussing it on morning TV today pajama

1526

00:59:50,309 --> 00:59:56,880

jeans because I think you oh yeah

1527

00:59:55,500 --> 01:00:00,329

looking at a picture now there they are

1528

00:59:56,880 --> 01:00:01,800

there they are now you do Travis you do

1529

01:00:00,329 --> 01:00:03,299

wear them out of the house right they

1530

01:00:01,800 --> 01:00:05,640

are actually jeans are as comfortable as

1531

01:00:03,300 --> 01:00:07,230

pajamas is it yeah because I see you

1532

01:00:05,639 --> 01:00:09,059

said they're not actually jeans they're

1533

01:00:07,230 --> 01:00:11,659

made out the same fabric as pajamas are

1534

01:00:09,059 --> 01:00:14,730

they mentor just yeah I just look like

1535

01:00:11,659 --> 01:00:17,279

they're flannelly I see I've seen them

1536

01:00:14,730 --> 01:00:21,119

in person at the mall and then they

1537

01:00:17,280 --> 01:00:23,280

don't look like jeans I just did he adds

1538

01:00:21,119 --> 01:00:26,190

four they look like jinx it's a

1539

01:00:23,280 --> 01:00:27,780

photoshopped there you are may not say

1540  
01:00:26,190 --> 01:00:29,490  
men entire families don't go to sporting

1541  
01:00:27,780 --> 01:00:34,080  
games dressed in snuggies and slanket

1542  
01:00:29,489 --> 01:00:40,909  
Seether that's it I'm handing in my sham

1543  
01:00:34,079 --> 01:00:43,289  
wow let's talk about something now

1544  
01:00:40,909 --> 01:00:45,259  
Rachel years now this is very exciting

1545  
01:00:43,289 --> 01:00:48,630  
and I'd like to whet the appetite of our

1546  
01:00:45,260 --> 01:00:50,040  
listeners for next week's show we're

1547  
01:00:48,630 --> 01:00:53,039  
going to have a longer look at Power

1548  
01:00:50,039 --> 01:00:55,769  
Balance yeah I know and go on about it a

1549  
01:00:53,039 --> 01:00:57,690  
little bit we do my commercial I'm sorry

1550  
01:00:55,769 --> 01:01:01,519  
that you get annoying that we keep going

1551  
01:00:57,690 --> 01:01:04,980  
on about power balance bike Mike Marsh

1552  
01:01:01,519 --> 01:01:07,920  
from many sad skeptics skeptics who the

1553  
01:01:04,980 --> 01:01:09,240  
K says we talk about to notch but then

1554  
01:01:07,920 --> 01:01:11,789  
he was on the show a few weeks ago

1555  
01:01:09,239 --> 01:01:14,159  
helping me up to okay that's true but

1556  
01:01:11,789 --> 01:01:15,960  
anyway we've got a lot to say a lot to

1557  
01:01:14,159 --> 01:01:18,539  
say about power balance next week and

1558  
01:01:15,960 --> 01:01:19,920  
some related products but you're going

1559  
01:01:18,539 --> 01:01:22,710  
to be interviewing some people who have

1560  
01:01:19,920 --> 01:01:26,159  
just conducted some research into it yes

1561  
01:01:22,710 --> 01:01:28,760  
um a couple of days ago as scientific

1562  
01:01:26,159 --> 01:01:32,129  
study was published in Australia and by

1563  
01:01:28,760 --> 01:01:34,320  
interestingly some chiropractors at the

1564  
01:01:32,130 --> 01:01:36,119  
monks are better well chiropractors were

1565  
01:01:34,320 --> 01:01:37,170  
the two first authors and then a couple

1566  
01:01:36,119 --> 01:01:38,429  
of guys from the Department of

1567  
01:01:37,170 --> 01:01:40,440  
Mathematics at the young

1568

01:01:38,429 --> 01:01:42,868  
royal melbourne institute of technology

1569  
01:01:40,440 --> 01:01:44,039  
RMIT here in Australia and we knew a few

1570  
01:01:42,869 --> 01:01:46,108  
months ago that they were doing this

1571  
01:01:44,039 --> 01:01:48,179  
study because it was covered on the

1572  
01:01:46,108 --> 01:01:50,190  
mainstream media and I was a little bit

1573  
01:01:48,179 --> 01:01:52,618  
worried at the time that it might come

1574  
01:01:50,190 --> 01:01:54,510  
out with the wrong answer and the reason

1575  
01:01:52,619 --> 01:01:56,880  
I can say the wrong answer is because we

1576  
01:01:54,510 --> 01:01:58,559  
know that power balance is an expensive

1577  
01:01:56,880 --> 01:02:00,990  
rubber band I mean there's no question I

1578  
01:01:58,559 --> 01:02:02,460  
mean you don't need to do a study on it

1579  
01:02:00,989 --> 01:02:04,649  
you can just look at it and go you're

1580  
01:02:02,460 --> 01:02:07,470  
joking you know honestly it's just

1581  
01:02:04,650 --> 01:02:09,869  
hilarious um oh sorry we're just been

1582  
01:02:07,469 --> 01:02:12,539

diverted to pajamas pajamas Inc oh my

1583

01:02:09,869 --> 01:02:14,220

goodness look at that Wow what is it

1584

01:02:12,539 --> 01:02:17,969

girl meets comfort I thought that was a

1585

01:02:14,219 --> 01:02:19,618

g-string haha well I like well you guys

1586

01:02:17,969 --> 01:02:22,889

are looking at pajama jeans I wanted to

1587

01:02:19,619 --> 01:02:25,650

add that on brian dunning skeptic list

1588

01:02:22,889 --> 01:02:27,960

somebody brought up fighting which is a

1589

01:02:25,650 --> 01:02:30,690

similar type of product and i think is

1590

01:02:27,960 --> 01:02:32,970

important to mention that I mean I talk

1591

01:02:30,690 --> 01:02:35,789

about power balance specifically as well

1592

01:02:32,969 --> 01:02:38,308

but I think that you'd agree that power

1593

01:02:35,789 --> 01:02:39,960

balance is really just an example of a

1594

01:02:38,309 --> 01:02:42,660

type of product and there's a lot of

1595

01:02:39,960 --> 01:02:45,449

different similar products that make

1596

01:02:42,659 --> 01:02:47,298

almost exactly the same claim even if

1597  
01:02:45,449 --> 01:02:50,368  
it's a different mechanism and that

1598  
01:02:47,298 --> 01:02:52,170  
power balances is like it's just used as

1599  
01:02:50,369 --> 01:02:54,150  
an example in that we mean all these

1600  
01:02:52,170 --> 01:02:57,240  
other type of products like I renew and

1601  
01:02:54,150 --> 01:02:58,829  
fightin and the other ones just we'll be

1602  
01:02:57,239 --> 01:03:01,189  
talking about that more in depth next

1603  
01:02:58,829 --> 01:03:03,390  
week but sorry rachel is these a

1604  
01:03:01,190 --> 01:03:05,579  
chiropractor yeah so this was the first

1605  
01:03:03,389 --> 01:03:07,889  
scientific study to come out and it was

1606  
01:03:05,579 --> 01:03:11,220  
42 subjects double-blind crossover

1607  
01:03:07,889 --> 01:03:14,548  
control where they had three different

1608  
01:03:11,219 --> 01:03:17,189  
types of from bands a placebo one with a

1609  
01:03:14,548 --> 01:03:18,780  
the normal one saw a holographic band

1610  
01:03:17,190 --> 01:03:21,269  
whatever that might be whether that's an

1611  
01:03:18,780 --> 01:03:23,130  
Incan band or power balance band and

1612  
01:03:21,269 --> 01:03:24,929  
then one where the hologram was taken

1613  
01:03:23,130 --> 01:03:27,539  
out and just a metal thing of the same

1614  
01:03:24,929 --> 01:03:29,940  
weight put in any way are they I'm going

1615  
01:03:27,539 --> 01:03:31,500  
to talk to the author's next week about

1616  
01:03:29,940 --> 01:03:32,909  
the results but basically they showed

1617  
01:03:31,500 --> 01:03:36,599  
that there was no difference in

1618  
01:03:32,909 --> 01:03:39,179  
improving balance with the expensive

1619  
01:03:36,599 --> 01:03:41,338  
power balance type holographic band

1620  
01:03:39,179 --> 01:03:43,469  
versus the placebo but the thing that's

1621  
01:03:41,338 --> 01:03:45,719  
so sweet about this is when it was

1622  
01:03:43,469 --> 01:03:46,989  
tested using science it came back and

1623  
01:03:45,719 --> 01:03:51,399  
bit them on the ass

1624  
01:03:46,989 --> 01:03:53,229  
and to me that's the oh dear how

1625

01:03:51,400 --> 01:03:56,349  
you like in science now Power Balance

1626  
01:03:53,230 --> 01:03:59,730  
know so much speaking about being bitten

1627  
01:03:56,349 --> 01:04:03,159  
on the ass dr. AG if you could just a

1628  
01:03:59,730 --> 01:04:04,599  
brief overview of your blog post on the

1629  
01:04:03,159 --> 01:04:06,879  
skeptics book of poo poo which I've

1630  
01:04:04,599 --> 01:04:08,739  
linked to in the newsletter about poor

1631  
01:04:06,880 --> 01:04:11,559  
old Andrew Wakefield oh poor Andy Pandey

1632  
01:04:08,739 --> 01:04:13,479  
I used to when people used to say is not

1633  
01:04:11,559 --> 01:04:14,949  
a doctor i used to defend him as a no he

1634  
01:04:13,480 --> 01:04:18,219  
still has a medical degree and you can't

1635  
01:04:14,949 --> 01:04:19,480  
take that away from him i'm not going to

1636  
01:04:18,219 --> 01:04:24,459  
bother to do that anymore he's a

1637  
01:04:19,480 --> 01:04:26,590  
fraudulent so-and-so so-and-so um he's

1638  
01:04:24,460 --> 01:04:28,720  
it was reported last week on Twitter and

1639  
01:04:26,590 --> 01:04:31,090

this was sent out by a doctor blogs and

1640

01:04:28,719 --> 01:04:33,759

retweeted by South American who wrote

1641

01:04:31,090 --> 01:04:37,780

the book the panic virus he's now gone

1642

01:04:33,760 --> 01:04:41,320

into Minneapolis and he's trying to

1643

01:04:37,780 --> 01:04:43,150

recruit patients who are autistic from

1644

01:04:41,320 --> 01:04:45,369

the Somali community in this area

1645

01:04:43,150 --> 01:04:47,320

because it's been shown in some sort of

1646

01:04:45,369 --> 01:04:49,269

population studies that they seem to

1647

01:04:47,320 --> 01:04:51,039

have a higher incidence of autism and

1648

01:04:49,269 --> 01:04:52,840

it's not yet known whether that might be

1649

01:04:51,039 --> 01:04:54,840

related to their diet or their genetics

1650

01:04:52,840 --> 01:04:57,130

or whether they just send their kids to

1651

01:04:54,840 --> 01:04:59,740

certain types of schools where they

1652

01:04:57,130 --> 01:05:02,410

identified so might be increased

1653

01:04:59,739 --> 01:05:04,569

reporting if you like so there is going

1654  
01:05:02,409 --> 01:05:07,440  
to be a study done by the National

1655  
01:05:04,570 --> 01:05:09,369  
Institute for Health and the CDC but

1656  
01:05:07,440 --> 01:05:11,650  
Wakefield found out about this and I

1657  
01:05:09,369 --> 01:05:14,260  
believe this is 3 j.b Handley who's the

1658  
01:05:11,650 --> 01:05:16,000  
guy that runs age of autism he went down

1659  
01:05:14,260 --> 01:05:18,130  
there and did a speech at a restaurant

1660  
01:05:16,000 --> 01:05:21,849  
to 100 parents and said I'm going to

1661  
01:05:18,130 --> 01:05:23,170  
offer hyperbaric chamber therapy for

1662  
01:05:21,849 --> 01:05:25,779  
your kids with autism and I want to

1663  
01:05:23,170 --> 01:05:26,829  
study them and come and sign up here in

1664  
01:05:25,780 --> 01:05:28,510  
the starting off in the most

1665  
01:05:26,829 --> 01:05:31,119  
professional manner they possibly can

1666  
01:05:28,510 --> 01:05:33,970  
and if you don't see any sarcasm in that

1667  
01:05:31,119 --> 01:05:35,619  
last comment lately blind so people can

1668  
01:05:33,969 --> 01:05:38,769  
read a lot more about that it's sorry

1669  
01:05:35,619 --> 01:05:41,108  
yeah so I've logged that under not a dr.

1670  
01:05:38,769 --> 01:05:43,329  
Wakefield on my bunk which the link is

1671  
01:05:41,108 --> 01:05:47,710  
in the newsletter cuz I mean this guy

1672  
01:05:43,329 --> 01:05:50,199  
just I mean seriously like just bobbing

1673  
01:05:47,710 --> 01:05:51,460  
ions face palming with two hands even

1674  
01:05:50,199 --> 01:05:53,139  
the way their starting off this study

1675  
01:05:51,460 --> 01:05:55,570  
wouldn't get past any medical ethical

1676  
01:05:53,139 --> 01:05:56,949  
boards but this is the thing we don't

1677  
01:05:55,570 --> 01:05:57,910  
know where he's getting the money from

1678  
01:05:56,949 --> 01:05:59,588  
we don't know

1679  
01:05:57,909 --> 01:06:01,420  
doing who's going to actually do the

1680  
01:05:59,588 --> 01:06:04,029  
study because Wakefield surely isn't

1681  
01:06:01,420 --> 01:06:06,460  
allowed to do that the NIH and CDC is

1682

01:06:04,030 --> 01:06:08,019  
completely separate so wait feels just

1683  
01:06:06,460 --> 01:06:11,230  
taken upon himself to go down there and

1684  
01:06:08,019 --> 01:06:14,980  
say ho ho ho ho i'm andy pandy you know

1685  
01:06:11,230 --> 01:06:16,750  
and it's just I mean that the guy just

1686  
01:06:14,980 --> 01:06:18,338  
needs to leave kids alone I mean

1687  
01:06:16,750 --> 01:06:19,780  
seriously there should be a restraining

1688  
01:06:18,338 --> 01:06:21,818  
order against him or something you know

1689  
01:06:19,780 --> 01:06:23,559  
you shouldn't be allowed near children

1690  
01:06:21,818 --> 01:06:26,079  
it's not a bad that's not a bad point

1691  
01:06:23,559 --> 01:06:28,119  
dr. Agee anyway folks there is a link

1692  
01:06:26,079 --> 01:06:30,548  
and a little bit more information if you

1693  
01:06:28,119 --> 01:06:36,039  
subscribe to the skeptics own newsletter

1694  
01:06:30,548 --> 01:06:38,588  
at [www.paid to the skeptics book blog](http://www.paidtotheskepticsbookblog.com) or

1695  
01:06:36,039 --> 01:06:41,140  
just google skeptics and they'll find

1696  
01:06:38,588 --> 01:06:43,420

your blog now Oh can I just say quickly

1697

01:06:41,139 --> 01:06:47,558

yeah it's been receiving a lot of DDoS

1698

01:06:43,420 --> 01:06:50,829

attacks recently youth is that what I'm

1699

01:06:47,559 --> 01:06:53,079

saying yeah it keeps going down and it

1700

01:06:50,829 --> 01:06:54,849

was after the whole Wakefield as a fraud

1701

01:06:53,079 --> 01:06:59,220

thing came out in the bmj a few weeks

1702

01:06:54,849 --> 01:07:03,250

ago it seemed we found one post on a

1703

01:06:59,219 --> 01:07:07,058

anti vax mailing list from a homeopath

1704

01:07:03,250 --> 01:07:09,159

who we know who was saying that Sharon

1705

01:07:07,059 --> 01:07:11,349

Aiken she's the Hannah manian homeopath

1706

01:07:09,159 --> 01:07:12,969

which was directing a lot of people on

1707

01:07:11,349 --> 01:07:15,130

that list to go to specific blogs and

1708

01:07:12,969 --> 01:07:17,230

just bombard them I wasn't on that list

1709

01:07:15,130 --> 01:07:19,900

but a friend of mine has looked at the

1710

01:07:17,230 --> 01:07:22,240

hits and said that it's a it's a it's a

1711  
01:07:19,900 --> 01:07:23,950  
half-assed DDoS attack and we think it

1712  
01:07:22,239 --> 01:07:25,389  
might be something to do with the whole

1713  
01:07:23,949 --> 01:07:27,368  
weight foot is a fraud thing but I don't

1714  
01:07:25,389 --> 01:07:29,409  
I'm just speculating but the blog has

1715  
01:07:27,369 --> 01:07:31,568  
been going up and down right yeah it's

1716  
01:07:29,409 --> 01:07:34,179  
up at the moment I'm pretty it is yep

1717  
01:07:31,568 --> 01:07:37,150  
textbook folks one of the best blogs on

1718  
01:07:34,179 --> 01:07:39,190  
the planet now we better wrap it up

1719  
01:07:37,150 --> 01:07:41,318  
pretty soon because I noticed my battery

1720  
01:07:39,190 --> 01:07:42,880  
to Travis is running out which isn't a

1721  
01:07:41,318 --> 01:07:45,489  
good thing but may not I knew you wanted

1722  
01:07:42,880 --> 01:07:46,869  
to mention a few of your podcasts there

1723  
01:07:45,489 --> 01:07:49,929  
oh look it's just a few things that are

1724  
01:07:46,869 --> 01:07:51,548  
coming up in them I've after the if you

1725  
01:07:49,929 --> 01:07:53,318  
would Jessica I'm thinking about how am

1726  
01:07:51,548 --> 01:07:56,019  
I going to top that one but we've got

1727  
01:07:53,318 --> 01:07:57,940  
the local guys the mysterious universe

1728  
01:07:56,019 --> 01:08:00,489  
podcast now they deal with a lot of

1729  
01:07:57,940 --> 01:08:02,380  
unusual stuff and the dates the aronim

1730  
01:08:00,489 --> 01:08:03,519  
been that do that bait there but their

1731  
01:08:02,380 --> 01:08:05,789  
own little production studio at

1732  
01:08:03,519 --> 01:08:07,380  
mysterious City at crow's nest there

1733  
01:08:05,789 --> 01:08:08,730  
it's a very professional production they

1734  
01:08:07,380 --> 01:08:12,660  
haven't got bus announcements behind

1735  
01:08:08,730 --> 01:08:14,880  
them professionally so although neither

1736  
01:08:12,659 --> 01:08:16,889  
has this episode actually so no not yet

1737  
01:08:14,880 --> 01:08:18,270  
but I've gotta say I'm gonna pop over

1738  
01:08:16,890 --> 01:08:19,829  
have a chat to them and so check out

1739

01:08:18,270 --> 01:08:21,390  
mysterious universe and the way they

1740  
01:08:19,829 --> 01:08:23,130  
work their financial model of their

1741  
01:08:21,390 --> 01:08:24,930  
podcast is you get the first half of the

1742  
01:08:23,130 --> 01:08:27,150  
podcast free and if your subscriber you

1743  
01:08:24,930 --> 01:08:28,890  
get the second half so I think that's

1744  
01:08:27,149 --> 01:08:30,509  
all I'm not a bad way of doing people

1745  
01:08:28,890 --> 01:08:33,000  
paid more they can get more more

1746  
01:08:30,510 --> 01:08:35,190  
Maynard's madness or something like that

1747  
01:08:33,000 --> 01:08:36,689  
that's mad because and thank you van

1748  
01:08:35,189 --> 01:08:37,979  
with the Khan comments about the Douglas

1749  
01:08:36,689 --> 01:08:40,349  
Adams interview that I've got up at

1750  
01:08:37,979 --> 01:08:41,699  
maynards malays that's Maynard com that

1751  
01:08:40,350 --> 01:08:43,470  
are you that's worth checking out I'd

1752  
01:08:41,699 --> 01:08:45,659  
like to thank Travis for putting me on

1753  
01:08:43,470 --> 01:08:48,930

to professor elemental now there's a

1754

01:08:45,659 --> 01:08:51,689

great video for professor he does a chap

1755

01:08:48,930 --> 01:08:53,069

hop which is hip-hop done by imagine a

1756

01:08:51,689 --> 01:08:56,639

Sherlock Holmes type character would

1757

01:08:53,069 --> 01:08:58,650

that be right Travis haha yes and I

1758

01:08:56,640 --> 01:09:00,838

think the standout track is my fighting

1759

01:08:58,649 --> 01:09:02,399

trousers look for my fighting trousers

1760

01:09:00,838 --> 01:09:03,630

by professor elemental because

1761

01:09:02,399 --> 01:09:05,099

apparently he has a degree and you can

1762

01:09:03,630 --> 01:09:08,460

take it away from him professor

1763

01:09:05,100 --> 01:09:10,350

elemental at on it's fantastic and also

1764

01:09:08,460 --> 01:09:13,140

yeah the other the other really good one

1765

01:09:10,350 --> 01:09:15,750

that he did was a cup of the brown stuff

1766

01:09:13,140 --> 01:09:20,069

which is about tea a little that he's to

1767

01:09:15,750 --> 01:09:21,659

addiction OT hmm and also I must say

1768  
01:09:20,069 --> 01:09:23,280  
with Gary the food inspector that we had

1769  
01:09:21,659 --> 01:09:25,439  
on a few weeks ago wasn't he great that

1770  
01:09:23,279 --> 01:09:27,329  
was a great and and he said he really

1771  
01:09:25,439 --> 01:09:28,949  
wants to come along to any skeptics in

1772  
01:09:27,329 --> 01:09:30,750  
the pub and have a chat he'd be more

1773  
01:09:28,949 --> 01:09:32,309  
than happy to come along and talk about

1774  
01:09:30,750 --> 01:09:34,739  
food safety and take questions because

1775  
01:09:32,310 --> 01:09:36,270  
he's arrived and any man who knows his

1776  
01:09:34,739 --> 01:09:39,960  
salami is that well as a friend of mine

1777  
01:09:36,270 --> 01:09:42,120  
well look what yeah I'm I agree I concur

1778  
01:09:39,960 --> 01:09:43,319  
and that any of you gotta run on three

1779  
01:09:42,119 --> 01:09:45,059  
platforms you would not have normally

1780  
01:09:43,319 --> 01:09:47,100  
expect there we got that on the ABC

1781  
01:09:45,060 --> 01:09:49,080  
normally we've got that on a skeptic

1782  
01:09:47,100 --> 01:09:50,069  
zone and no agenda ran a little bit of

1783  
01:09:49,079 --> 01:09:52,469  
as well

1784  
01:09:50,069 --> 01:09:54,810  
because they are very prepare a get that

1785  
01:09:52,469 --> 01:09:57,210  
they're there for salami deregulation

1786  
01:09:54,810 --> 01:09:58,500  
and you see and and and they also their

1787  
01:09:57,210 --> 01:10:00,599  
interest and they corrected me that

1788  
01:09:58,500 --> 01:10:02,368  
fluoride is not a mind control drug it

1789  
01:10:00,599 --> 01:10:04,828  
is in fact it just makes you dose I'll

1790  
01:10:02,368 --> 01:10:06,389  
the truth must apologize to everyone for

1791  
01:10:04,828 --> 01:10:08,549  
getting that incorrect how do you take

1792  
01:10:06,389 --> 01:10:10,730  
fluid so it makes you Joe so you just

1793  
01:10:08,550 --> 01:10:13,289  
drink the water without filtering it oh

1794  
01:10:10,729 --> 01:10:18,359  
I'm gonna be drinking something else I'm

1795  
01:10:13,289 --> 01:10:20,069  
just saying hang them it's called oh

1796

01:10:18,359 --> 01:10:23,009  
I'll write that down it's called a soft

1797  
01:10:20,069 --> 01:10:24,868  
drink and Oh James and spawn will last

1798  
01:10:23,010 --> 01:10:26,730  
thing I'm a lot of people with no

1799  
01:10:24,868 --> 01:10:29,069  
skeptic bros the guys behind the placebo

1800  
01:10:26,729 --> 01:10:30,539  
bands well they've started doing a lot

1801  
01:10:29,069 --> 01:10:32,578  
more blogging on the website and they've

1802  
01:10:30,539 --> 01:10:34,408  
also hired couple more brothers to join

1803  
01:10:32,578 --> 01:10:35,908  
them as well so if you check out the

1804  
01:10:34,408 --> 01:10:37,229  
website there'll be a lot more blog

1805  
01:10:35,908 --> 01:10:38,729  
posts there while you're waiting for

1806  
01:10:37,229 --> 01:10:42,419  
some or placebo bands to be ordered and

1807  
01:10:38,729 --> 01:10:44,609  
sent out skeptic Bros calm ladies and

1808  
01:10:42,420 --> 01:10:46,920  
gentlemen skeptic crows calm make it

1809  
01:10:44,609 --> 01:10:47,939  
your next site you visit and it and

1810  
01:10:46,920 --> 01:10:49,349

you've got any questions for the

1811

01:10:47,939 --> 01:10:51,419

mysterious universe guys when I talk to

1812

01:10:49,349 --> 01:10:52,800

them just send them in here I'd like to

1813

01:10:51,420 --> 01:10:54,179

thank everybody for coming along here

1814

01:10:52,800 --> 01:10:55,980

tonight to our favorite club down the

1815

01:10:54,179 --> 01:10:58,020

street especially to Travis Troy who's

1816

01:10:55,979 --> 01:11:01,769

made it all the way here from New

1817

01:10:58,020 --> 01:11:07,230

Hampshire yeah yeah thanks all right for

1818

01:11:01,770 --> 01:11:09,810

the Internet's all right huzzah thanks

1819

01:11:07,229 --> 01:11:11,399

everyone and may not is it thank you

1820

01:11:09,810 --> 01:11:15,060

very much I've got my fighting trousers

1821

01:11:11,399 --> 01:11:17,339

on now majority bad dr. H I'm going home

1822

01:11:15,060 --> 01:11:19,110

to put on my Snuggie I know any of the

1823

01:11:17,340 --> 01:11:20,789

job and jeans are the same yes and my

1824

01:11:19,109 --> 01:11:22,130

those pants things

1825  
01:11:20,789 --> 01:11:25,680  
I don't know what they call whatever

1826  
01:11:22,130 --> 01:11:28,190  
peru and until next time it's gia

1827  
01:11:25,680 --> 01:11:28,190  
slipping

1828  
01:11:48,988 --> 01:11:55,408  
on Friday the 11th of March 2011 join

1829  
01:11:52,920 --> 01:11:59,239  
the Canberra skeptics as they present a

1830  
01:11:55,408 --> 01:12:01,908  
lecture vaccines in peril by Ken MacLeod

1831  
01:11:59,238 --> 01:12:05,609  
this will be held at the lecture theatre

1832  
01:12:01,908 --> 01:12:08,848  
innovations building Australian National

1833  
01:12:05,609 --> 01:12:14,368  
University for more information head to

1834  
01:12:08,849 --> 01:12:16,619  
meetup.com social skeptics camera the

1835  
01:12:14,368 --> 01:12:18,779  
Melbourne skeptics is an exciting new

1836  
01:12:16,618 --> 01:12:21,420  
initiative aiming to promote critical

1837  
01:12:18,779 --> 01:12:24,059  
thinking and skeptical activism in

1838  
01:12:21,420 --> 01:12:26,578  
Melbourne across Australia and around

1839  
01:12:24,059 --> 01:12:28,199  
the globe their official launch party

1840  
01:12:26,578 --> 01:12:31,288  
will be happening at the inaugural

1841  
01:12:28,198 --> 01:12:34,649  
skeptics in the pub meeting 630pm on

1842  
01:12:31,288 --> 01:12:37,908  
Monday January 31st at the james squire

1843  
01:12:34,649 --> 01:12:40,379  
brew house in waterfront city docklands

1844  
01:12:37,908 --> 01:12:42,179  
following that they'll be coordinating

1845  
01:12:40,380 --> 01:12:45,569  
the Melbourne contingent for the

1846  
01:12:42,179 --> 01:12:47,429  
worldwide 1023 campaign on february at

1847  
01:12:45,569 --> 01:12:51,719  
the 5th you can read more about

1848  
01:12:47,429 --> 01:12:57,529  
melbourne skeptics at wwm elbin skeptics

1849  
01:12:51,719 --> 01:13:00,529  
com au or find them on twitter at melba

1850  
01:12:57,529 --> 01:13:00,529  
skeptics

1851  
01:13:11,699 --> 01:13:16,380  
you know Richard when I was about

1852  
01:13:13,760 --> 01:13:18,480  
auditor 6 I actually believed in

1853

01:13:16,380 --> 01:13:21,119  
astrology really yes someone told me I

1854  
01:13:18,479 --> 01:13:23,339  
was in Aquarius and I took the whole

1855  
01:13:21,119 --> 01:13:25,199  
thing in I took on the identity and

1856  
01:13:23,340 --> 01:13:27,150  
everything so you know I was astounded

1857  
01:13:25,199 --> 01:13:28,739  
to it wasn't that an interesting

1858  
01:13:27,149 --> 01:13:32,129  
interview here to find that someone

1859  
01:13:28,739 --> 01:13:34,349  
still believes all that stuff we always

1860  
01:13:32,130 --> 01:13:36,960  
wanted you're going to write into the

1861  
01:13:34,350 --> 01:13:39,270  
comments page and well look at her

1862  
01:13:36,960 --> 01:13:41,430  
arguments and give us some opinions

1863  
01:13:39,270 --> 01:13:44,700  
there still I think there's nothing

1864  
01:13:41,430 --> 01:13:46,260  
wrong with dissecting it and pulling it

1865  
01:13:44,699 --> 01:13:48,300  
apart and stitching it all back up

1866  
01:13:46,260 --> 01:13:50,280  
together back up together again in a

1867  
01:13:48,300 --> 01:13:51,720

Frankenstein kinda way I think I think

1868

01:13:50,279 --> 01:13:53,969

that's absolutely right and as I said in

1869

01:13:51,720 --> 01:13:57,570

the think tank as long as the can see

1870

01:13:53,970 --> 01:14:00,390

your comments are polite but straight

1871

01:13:57,569 --> 01:14:02,189

forward then they'll get a go yeah well

1872

01:14:00,390 --> 01:14:04,380

yeah we want intelligent discourse I

1873

01:14:02,189 --> 01:14:06,899

mean it's one thing about this it's easy

1874

01:14:04,380 --> 01:14:09,270

for both sides of any debate or any sort

1875

01:14:06,899 --> 01:14:11,579

of perspective to sort of your bag each

1876

01:14:09,270 --> 01:14:13,620

other but we actually want like

1877

01:14:11,579 --> 01:14:16,250

intelligent debate and discussion and

1878

01:14:13,619 --> 01:14:18,720

and actually part of the whole skeptic

1879

01:14:16,250 --> 01:14:21,449

philosophy is to is to try and actually

1880

01:14:18,720 --> 01:14:25,050

tease it out and had come up with really

1881

01:14:21,449 --> 01:14:27,090

good convincing arguments to dispel some

1882  
01:14:25,050 --> 01:14:28,680  
of these things so if you're really if

1883  
01:14:27,090 --> 01:14:31,529  
you think I that's just a lot of crock

1884  
01:14:28,680 --> 01:14:33,690  
well we want to say well can can you

1885  
01:14:31,529 --> 01:14:35,969  
explain it to someone so they may

1886  
01:14:33,689 --> 01:14:37,949  
actually change their mind as I did when

1887  
01:14:35,970 --> 01:14:40,730  
I was six years old that's right which

1888  
01:14:37,949 --> 01:14:43,199  
was just my mum's going day be stupid

1889  
01:14:40,729 --> 01:14:44,789  
but now another great show Richard you

1890  
01:14:43,199 --> 01:14:46,349  
should be proud of yourself oh thank you

1891  
01:14:44,789 --> 01:14:49,159  
Stefan and thank you to listeners who

1892  
01:14:46,350 --> 01:14:52,050  
are signing up in droves to our

1893  
01:14:49,159 --> 01:14:53,880  
newsletter oh yeah that's right we are

1894  
01:14:52,050 --> 01:14:56,220  
in usually the heavenlies later yeah but

1895  
01:14:53,880 --> 01:14:57,779  
via skeptic zone TV extra bits of

1896  
01:14:56,220 --> 01:14:59,520  
information to do with the show and

1897  
01:14:57,779 --> 01:15:01,800  
thank you to everybody I'm always

1898  
01:14:59,520 --> 01:15:03,630  
thinking people for helping to chip in

1899  
01:15:01,800 --> 01:15:05,369  
for a new microphone for dr. ray

1900  
01:15:03,630 --> 01:15:07,770  
cheating to be going out to buy one

1901  
01:15:05,369 --> 01:15:09,930  
pretty soon well I'll yeah we look at

1902  
01:15:07,770 --> 01:15:12,030  
ease a bit of a sort of a labor of love

1903  
01:15:09,930 --> 01:15:14,610  
around here so any help at all helps

1904  
01:15:12,029 --> 01:15:16,590  
helps equality helps the whole skeptical

1905  
01:15:14,609 --> 01:15:18,869  
thing so yeah we really happen helps us

1906  
01:15:16,590 --> 01:15:21,750  
by generate mama wong's where we record

1907  
01:15:18,869 --> 01:15:24,539  
the soup together think tank Oh yummy

1908  
01:15:21,750 --> 01:15:25,079  
yummy I will Richard another great one

1909  
01:15:24,539 --> 01:15:27,119  
okay

1910

01:15:25,079 --> 01:15:29,369  
I hope to come back more often this year

1911  
01:15:27,119 --> 01:15:31,800  
I mean it yum I'm back working hard

1912  
01:15:29,369 --> 01:15:33,210  
again but but I've taken the weekends

1913  
01:15:31,800 --> 01:15:35,250  
off now so I'm going to spend more time

1914  
01:15:33,210 --> 01:15:37,949  
being skeptical we want more of dr.

1915  
01:15:35,250 --> 01:15:43,550  
Stefan tire and more theme songs that's

1916  
01:15:37,949 --> 01:15:43,550  
right hey Richard see you next time bye

1917  
01:15:46,069 --> 01:15:51,630  
you've been listening to the skeptic

1918  
01:15:48,449 --> 01:15:55,470  
zone visit the hub website at www

1919  
01:15:51,630 --> 01:15:59,239  
skeptics on TV for comments context and

1920  
01:15:55,470 --> 01:15:59,240  
extra video reports

1921  
01:16:02,529 --> 01:16:04,559  
Oh