

1  
00:00:00,000 --> 00:00:11,009  
this is James Randi and you're listening

2  
00:00:01,949 --> 00:00:13,859  
to the skeptic zone welcome to the

3  
00:00:11,009 --> 00:00:17,570  
skeptic zone the podcast from Australia

4  
00:00:13,859 --> 00:00:17,570  
for science and reason

5  
00:00:26,679 --> 00:00:33,409  
hello and welcome to the skeptic zone

6  
00:00:29,600 --> 00:00:36,140  
episode number 296 for the 22nd of jun

7  
00:00:33,409 --> 00:00:42,349  
2014 Richard Saunders here with you from

8  
00:00:36,140 --> 00:00:46,370  
Sydney Australia whoo and part two yes

9  
00:00:42,350 --> 00:00:49,789  
this week we have a two-parter we do ah

10  
00:00:46,369 --> 00:00:52,039  
i joined joe alabaster and head up to

11  
00:00:49,789 --> 00:00:54,259  
Katoomba in the Blue Mountains Joe live

12  
00:00:52,039 --> 00:00:57,049  
quite near there and we check out the

13  
00:00:54,259 --> 00:01:01,518  
winter magic festival of katoomba which

14  
00:00:57,049 --> 00:01:03,619  
is a huge street fair with lots of magic

15  
00:01:01,518 --> 00:01:05,870  
and sort of wintry things happening up

16  
00:01:03,619 --> 00:01:08,899  
there to celebrate the winter solstice

17  
00:01:05,870 --> 00:01:12,200  
what will we find will we find mysticism

18  
00:01:08,900 --> 00:01:14,990  
will we find magic join us shortly and

19  
00:01:12,200 --> 00:01:16,250  
find out after that it's a week in

20  
00:01:14,989 --> 00:01:19,219  
science from our good friends at the

21  
00:01:16,250 --> 00:01:22,939  
Royal Institution I Australia w WR I a

22  
00:01:19,219 --> 00:01:25,789  
u.s. dot org dot au not much magic there

23  
00:01:22,939 --> 00:01:28,609  
but plenty of science then its rule week

24  
00:01:25,790 --> 00:01:31,400  
in part two as I head for these festival

25  
00:01:28,609 --> 00:01:34,670  
of mind body spirit or as we have been

26  
00:01:31,400 --> 00:01:37,219  
calling it for years and years mind body

27  
00:01:34,670 --> 00:01:40,599  
wallet and then the round off the show

28  
00:01:37,219 --> 00:01:43,929  
evidence please with Joe alabaster Joe

29

00:01:40,599 --> 00:01:47,059  
continuing her look at parenting

30  
00:01:43,930 --> 00:01:49,280  
skeptically and there's a Facebook site

31  
00:01:47,060 --> 00:01:51,560  
that Joe is put together with Lauren

32  
00:01:49,280 --> 00:01:53,210  
Cochran from Canberra if you go to

33  
00:01:51,560 --> 00:01:56,930  
facebook and look for parenting

34  
00:01:53,209 --> 00:01:59,929  
skeptically um you'll see that this week

35  
00:01:56,930 --> 00:02:03,980  
Joe looks at the early years young

36  
00:01:59,930 --> 00:02:06,830  
children what whoo can she find out

37  
00:02:03,980 --> 00:02:09,560  
about or aimed at parents with the young

38  
00:02:06,829 --> 00:02:11,959  
children and I hear that Joe alabaster

39  
00:02:09,560 --> 00:02:14,750  
is also heading for him briz skeptic amp

40  
00:02:11,959 --> 00:02:18,500  
breathe skeptic ambar skeptic camp in

41  
00:02:14,750 --> 00:02:20,389  
brisbane australia ah mm I wonder if I

42  
00:02:18,500 --> 00:02:22,699  
can sort of hitchhike my way up to

43  
00:02:20,389 --> 00:02:23,988

Brisbane for that now I must admit

44

00:02:22,699 --> 00:02:27,079  
friends that this week's show is a

45

00:02:23,989 --> 00:02:30,349  
little shorter than your average skeptic

46

00:02:27,080 --> 00:02:32,870  
zone I've been very busy this week got a

47

00:02:30,348 --> 00:02:36,108  
new job on and running around quite a

48

00:02:32,870 --> 00:02:37,310  
bit up and down the coast so a little

49

00:02:36,109 --> 00:02:38,020  
bit of a shorter show this week

50

00:02:37,310 --> 00:02:39,789  
nevermind

51

00:02:38,020 --> 00:02:41,140  
you more time to um well I don't know

52

00:02:39,789 --> 00:02:43,989  
check out some of the websites we

53

00:02:41,139 --> 00:02:45,459  
mentioned along the way but now it's

54

00:02:43,990 --> 00:02:47,400  
time for me to run downstairs making

55

00:02:45,460 --> 00:02:51,670  
sure that Fred the cat has lots of her

56

00:02:47,400 --> 00:02:53,349  
yummy yummy cat food in his bowl as for

57

00:02:51,669 --> 00:02:57,250  
me I'm going to go into the cotan see if

58  
00:02:53,349 --> 00:03:00,069  
I haven't got some peanut butter cups oh

59  
00:02:57,250 --> 00:03:02,409  
man I probably don't because as soon as

60  
00:03:00,069 --> 00:03:05,319  
they come into the house and they

61  
00:03:02,409 --> 00:03:07,150  
magically disappear somehow well I'm

62  
00:03:05,319 --> 00:03:09,780  
doing that by hope you enjoy the

63  
00:03:07,150 --> 00:03:09,780  
skeptics I'm

64  
00:03:27,990 --> 00:03:34,689  
it's the 21st of June the first day of

65  
00:03:32,050 --> 00:03:37,300  
winter Joe alabaster here we are at

66  
00:03:34,689 --> 00:03:38,949  
katoomba and it's the what is it they

67  
00:03:37,300 --> 00:03:41,050  
call it the magic festival the weather

68  
00:03:38,949 --> 00:03:43,089  
magic first of all the winter magic

69  
00:03:41,050 --> 00:03:45,689  
first of all we're in the main street of

70  
00:03:43,090 --> 00:03:45,689  
katoomba

71  
00:03:47,610 --> 00:03:53,400  
passing something very loud strolling up

72  
00:03:51,719 --> 00:03:55,889  
to the top of the street cuz the whole

73  
00:03:53,400 --> 00:03:58,260  
street stretching a couple of kilometres

74  
00:03:55,889 --> 00:04:00,929  
I guess there's nothing with street

75  
00:03:58,259 --> 00:04:03,509  
stalls and this is really a bit of a

76  
00:04:00,930 --> 00:04:07,710  
wool fest isn't a job it certainly can

77  
00:04:03,509 --> 00:04:10,229  
be yes well that's the promise that's

78  
00:04:07,710 --> 00:04:12,629  
why like that's why I'm here so we're

79  
00:04:10,229 --> 00:04:14,449  
going to be poking around this first of

80  
00:04:12,629 --> 00:04:18,120  
all as we get through the crowd and

81  
00:04:14,449 --> 00:04:21,629  
seeing what we can we can report on for

82  
00:04:18,120 --> 00:04:24,019  
the zone and I've been getting some

83  
00:04:21,629 --> 00:04:26,969  
lovely comments about your latest

84  
00:04:24,019 --> 00:04:30,539  
reports Joe about parenting that's very

85  
00:04:26,970 --> 00:04:33,330  
lovely excellent to hear ya and I hope

86

00:04:30,540 --> 00:04:34,830  
more to come yes yes more to come I

87  
00:04:33,329 --> 00:04:37,500  
don't know how am i doing one this week

88  
00:04:34,829 --> 00:04:38,699  
I don't well hop on this week well by

89  
00:04:37,500 --> 00:04:40,740  
the time listeners hear this show

90  
00:04:38,699 --> 00:04:44,250  
they'll know that will indeed they can

91  
00:04:40,740 --> 00:04:45,750  
see the future and I cannot well let's

92  
00:04:44,250 --> 00:04:48,990  
make our way to the top of the street

93  
00:04:45,750 --> 00:04:51,220  
will meander solely down and see what we

94  
00:04:48,990 --> 00:04:53,800  
can see

95  
00:04:51,220 --> 00:04:57,870  
good heavens as a wizard coming towards

96  
00:04:53,800 --> 00:04:57,870  
us looks like Dumbledore

97  
00:05:01,220 --> 00:05:06,470  
it wouldn't be a witness of that drums

98  
00:05:03,829 --> 00:05:09,519  
Joe certainly not take me back to

99  
00:05:06,470 --> 00:05:09,520  
growing up in Fremantle

100  
00:05:14,509 --> 00:05:19,800

well it didn't take us long we're

101

00:05:16,379 --> 00:05:22,649

passing the candle store which makes

102

00:05:19,800 --> 00:05:24,449

candles and I quote as soon as the

103

00:05:22,649 --> 00:05:27,509

people move away Australian beeswax

104

00:05:24,449 --> 00:05:29,729

candles reliefs negative ions and

105

00:05:27,509 --> 00:05:33,990

neutralized pollens allergens and dust

106

00:05:29,730 --> 00:05:37,069

particles goodness me we should just run

107

00:05:33,990 --> 00:05:37,069

over by some

108

00:05:39,370 --> 00:05:47,590

I try to describe the scene to you it's

109

00:05:43,269 --> 00:05:51,399

a beautiful bright sunny wintry day up

110

00:05:47,589 --> 00:05:54,609

here in the Blue Mountains streets and

111

00:05:51,399 --> 00:05:58,149

streets are covered with their or lined

112

00:05:54,610 --> 00:06:03,009

with lots of different stores all sorts

113

00:05:58,149 --> 00:06:06,189

of things as stall selling hats someone

114

00:06:03,009 --> 00:06:08,289

selling portrait photography lots of

115  
00:06:06,189 --> 00:06:10,269  
clothes of different kinds what do we

116  
00:06:08,290 --> 00:06:12,660  
have over here looks like someone's

117  
00:06:10,269 --> 00:06:17,379  
selling different paints some teas

118  
00:06:12,660 --> 00:06:21,760  
pancakes dutch pancakes haul your hand

119  
00:06:17,379 --> 00:06:23,800  
in wax your hand in wax Himalayan yummy

120  
00:06:21,759 --> 00:06:25,889  
kitchen lots of food here folks and lots

121  
00:06:23,800 --> 00:06:28,210  
of people dressed up and all sorts of

122  
00:06:25,889 --> 00:06:31,478  
some Mouse ears over there lots of

123  
00:06:28,209 --> 00:06:35,859  
wizards and in a health and wellness

124  
00:06:31,478 --> 00:06:39,478  
we're passing now aloe vera they're

125  
00:06:35,860 --> 00:06:42,460  
flogging a magazine and they've got a

126  
00:06:39,478 --> 00:06:44,728  
detox as well that's that's what we want

127  
00:06:42,459 --> 00:06:47,560  
isn't it something Rick detoxes

128  
00:06:44,728 --> 00:06:49,538  
unspecified toxin that's right what

129  
00:06:47,560 --> 00:06:51,459  
happens to the toxins once you detox

130  
00:06:49,538 --> 00:06:54,129  
where do they go that's all I like to

131  
00:06:51,459 --> 00:06:55,209  
know I think into the marine well then

132  
00:06:54,129 --> 00:06:58,269  
it's really polluting the environment

133  
00:06:55,209 --> 00:07:02,079  
you can say we have grilled chicken and

134  
00:06:58,269 --> 00:07:05,579  
chips hot dogs you notice I'm noticing

135  
00:07:02,079 --> 00:07:08,529  
all their the food stores ahead and

136  
00:07:05,579 --> 00:07:10,448  
German gourmet sausages it's quite

137  
00:07:08,529 --> 00:07:13,149  
something up here I had no idea this was

138  
00:07:10,449 --> 00:07:14,949  
so big I when I heard about it I thought

139  
00:07:13,149 --> 00:07:18,159  
it was just like a you know a little

140  
00:07:14,949 --> 00:07:20,590  
fair or somebody with its many 350 we're

141  
00:07:18,160 --> 00:07:22,200  
coming up to be vegan to make a peace

142  
00:07:20,589 --> 00:07:25,069  
stand

143

00:07:22,199 --> 00:07:28,759  
the greens are here the political party

144  
00:07:25,069 --> 00:07:32,129  
the herb store sign the petition

145  
00:07:28,759 --> 00:07:33,810  
bastards budget sign here there we go we

146  
00:07:32,129 --> 00:07:36,170  
can bust Abbott's budget if we sign

147  
00:07:33,810 --> 00:07:36,170  
there

148  
00:07:36,459 --> 00:07:48,098  
what's this one supreme master Ching

149  
00:07:40,079 --> 00:07:49,870  
what's that one looks like Animal Farm

150  
00:07:48,098 --> 00:07:52,659  
we've got the horse and the goat in the

151  
00:07:49,870 --> 00:07:58,478  
pig and everything free DVD vegan

152  
00:07:52,660 --> 00:08:01,509  
recipes hmm oh well there you go thank

153  
00:07:58,478 --> 00:08:04,959  
you organic vegan and love the way of

154  
00:08:01,509 --> 00:08:07,598  
living loving recipes it says be vegan

155  
00:08:04,959 --> 00:08:11,799  
make peace oh I would miss my steaks too

156  
00:08:07,598 --> 00:08:13,839  
much if I did that I hope sorry I

157  
00:08:11,800 --> 00:08:16,840

usually the kebabs are the stakes so I

158

00:08:13,839 --> 00:08:19,329

see 19 years i'm vegan now much more i

159

00:08:16,839 --> 00:08:22,388

mean majestic universe were peaceful

160

00:08:19,329 --> 00:08:24,069

friendly with easels i wouldn't give a

161

00:08:22,389 --> 00:08:25,598

kebab or anything but you know I don't

162

00:08:24,069 --> 00:08:28,930

know I just assigning jobs i have a

163

00:08:25,598 --> 00:08:31,418

problem let us show the crowd sales at

164

00:08:28,930 --> 00:08:33,759

the moment so in this non tears you know

165

00:08:31,418 --> 00:08:36,699

process what has going to reverse you

166

00:08:33,759 --> 00:08:38,168

yeah i've been so many I I guess that's

167

00:08:36,700 --> 00:08:40,990

great but if you eat a well-balanced

168

00:08:38,168 --> 00:08:42,759

diet with a bit of medium utility uses

169

00:08:40,990 --> 00:08:45,129

quite healthy and well it is true look

170

00:08:42,759 --> 00:08:46,629

at all you even though there is no bad

171

00:08:45,129 --> 00:08:49,570

first of all everybody their chakras

172  
00:08:46,629 --> 00:08:50,919  
different but no if you just consciously

173  
00:08:49,570 --> 00:08:53,140  
she was like no we don't want to eat

174  
00:08:50,919 --> 00:08:55,719  
meat or we don't want to take long well

175  
00:08:53,139 --> 00:08:57,159  
they don't judge people because you

176  
00:08:55,720 --> 00:08:58,959  
cannot judge people because you don't

177  
00:08:57,159 --> 00:09:01,389  
know the other people's you know there's

178  
00:08:58,958 --> 00:09:02,739  
any other way he also got so everybody's

179  
00:09:01,389 --> 00:09:04,778  
you know I have been helping everybody

180  
00:09:02,740 --> 00:09:07,028  
whatever you too that is meant for you

181  
00:09:04,778 --> 00:09:08,259  
you know I mean why so we don't wanna

182  
00:09:07,028 --> 00:09:09,789  
share as you know if you're a special we

183  
00:09:08,259 --> 00:09:11,649  
don't even know your own so we love

184  
00:09:09,789 --> 00:09:13,059  
everybody the same but we know that

185  
00:09:11,649 --> 00:09:14,950  
everybody's part all so different now

186  
00:09:13,059 --> 00:09:17,289  
you have respect that's absolutely right

187  
00:09:14,950 --> 00:09:19,240  
in a free society you can be vegan or

188  
00:09:17,289 --> 00:09:21,009  
you can be immediately god bless your

189  
00:09:19,240 --> 00:09:23,730  
australia before that's all right thank

190  
00:09:21,009 --> 00:09:23,730  
you sorry

191  
00:09:23,960 --> 00:09:28,879  
hey i jus I'm got a free DVD to enjoy

192  
00:09:26,419 --> 00:09:30,289  
later fantastic it's worth checking out

193  
00:09:28,879 --> 00:09:32,840  
their website actually they've got some

194  
00:09:30,289 --> 00:09:36,439  
interesting spiritual ideas do they they

195  
00:09:32,840 --> 00:09:39,230  
do it yeah I thought I heard a steam

196  
00:09:36,440 --> 00:09:42,020  
train I thought I heard a steam train

197  
00:09:39,230 --> 00:09:44,480  
just Stan decided not to graph this

198  
00:09:42,019 --> 00:09:46,519  
straight with you oh and we've come to

199  
00:09:44,480 --> 00:09:48,710  
the end or the beginning now we have to

200

00:09:46,519 --> 00:09:50,449  
turn around do it all again and what's

201  
00:09:48,710 --> 00:09:52,100  
that idea look at all the people running

202  
00:09:50,450 --> 00:09:54,129  
to the bridge Justine trade there's a

203  
00:09:52,100 --> 00:09:57,409  
steam train cutting all there it is

204  
00:09:54,129 --> 00:10:01,389  
goodness me run over here to the railing

205  
00:09:57,409 --> 00:10:01,389  
overlooking the train tracks

206  
00:10:10,860 --> 00:10:17,159  
beautiful old steam train just pulled in

207  
00:10:13,620 --> 00:10:19,850  
I had been pushed by a diesel truck can

208  
00:10:17,159 --> 00:10:19,850  
you see the train

209  
00:10:20,240 --> 00:10:24,320  
now she's looking at the microphone now

210  
00:10:22,039 --> 00:10:26,509  
Joe it's happened again your daughter

211  
00:10:24,320 --> 00:10:29,629  
will not speak on the microphone it's

212  
00:10:26,509 --> 00:10:32,139  
quite bizarre Daphne going to say hello

213  
00:10:29,629 --> 00:10:32,139  
say hello

214  
00:10:32,799 --> 00:10:40,849

just a chatterbox before you said hello

215

00:10:37,339 --> 00:10:46,660

it is can you say hello again hello here

216

00:10:40,850 --> 00:10:49,970

we go here we go we've got a sign here

217

00:10:46,659 --> 00:10:52,129

Joad says what is the spirit saying to

218

00:10:49,970 --> 00:10:56,120

you it's a very good question blessing

219

00:10:52,129 --> 00:10:58,039

trio with some jewelry yeah the spirit

220

00:10:56,120 --> 00:11:01,009

is no doubt saying by our jewelry I

221

00:10:58,039 --> 00:11:02,990

would say the spirit is correct and at

222

00:11:01,009 --> 00:11:06,710

least putting silver Arthur that's right

223

00:11:02,990 --> 00:11:08,870

I prefer silver I just can't help myself

224

00:11:06,710 --> 00:11:12,160

I look over here and i can see gourmet

225

00:11:08,870 --> 00:11:15,789

viking chargrilled gourmet sausages

226

00:11:12,159 --> 00:11:15,789

churros over there

227

00:11:15,950 --> 00:11:20,750

okay we're sort of on the Main Street

228

00:11:17,779 --> 00:11:22,759

again at the top of the rise that goes

229  
00:11:20,750 --> 00:11:25,639  
down the street and eventually ends up

230  
00:11:22,759 --> 00:11:29,590  
the three sisters look out and we can

231  
00:11:25,639 --> 00:11:32,000  
hardly move for the crush of people here

232  
00:11:29,590 --> 00:11:34,780  
this is much bigger than I ever

233  
00:11:32,000 --> 00:11:34,779  
suspected

234  
00:11:37,820 --> 00:11:42,140  
passing mostly food stores at the modal

235  
00:11:40,250 --> 00:11:45,830  
somebody dressed up like the Joker from

236  
00:11:42,139 --> 00:11:48,949  
Batman as opposed to the Joker from

237  
00:11:45,830 --> 00:11:53,120  
anywhere else I guess and if there were

238  
00:11:48,950 --> 00:11:56,710  
some more woo stores here be hard to see

239  
00:11:53,120 --> 00:11:56,710  
because there's just so many people

240  
00:11:57,870 --> 00:12:03,578  
well we're in me a really nice library

241  
00:12:01,990 --> 00:12:05,440  
area here at the moment and there was a

242  
00:12:03,578 --> 00:12:10,929  
room set aside for the mind-body-spirit

243  
00:12:05,440 --> 00:12:13,180  
section and it's it's rather small this

244  
00:12:10,929 --> 00:12:15,578  
not many mind-body-spirit things

245  
00:12:13,179 --> 00:12:19,028  
happening in there but we're walking

246  
00:12:15,578 --> 00:12:22,599  
through the library now out to the big

247  
00:12:19,028 --> 00:12:24,039  
outside area here I think our friend

248  
00:12:22,600 --> 00:12:26,079  
Pete about it you're saying comes here

249  
00:12:24,039 --> 00:12:28,419  
quite often yes the library that Peter

250  
00:12:26,078 --> 00:12:31,120  
checks in on at Foursquare we're just

251  
00:12:28,419 --> 00:12:34,269  
walking now to the viewing platform here

252  
00:12:31,120 --> 00:12:36,459  
at the library and I can even see before

253  
00:12:34,269 --> 00:12:40,089  
me as we walk towards that the viewers

254  
00:12:36,458 --> 00:12:42,578  
even from here spectacular this is one

255  
00:12:40,089 --> 00:12:45,399  
of the most famous views in Australia

256  
00:12:42,578 --> 00:12:48,489  
Joe the Kitumba views the three sisters

257

00:12:45,399 --> 00:12:51,458  
of the Megalon Valley walking up the

258  
00:12:48,490 --> 00:12:53,919  
ramp here mouth I think this show is

259  
00:12:51,458 --> 00:13:00,250  
turning into more like a travelogue

260  
00:12:53,919 --> 00:13:01,990  
tourister wow look at that I've never

261  
00:13:00,250 --> 00:13:05,500  
been to this particular vantage point

262  
00:13:01,990 --> 00:13:07,839  
before what a fantastic view it's quite

263  
00:13:05,500 --> 00:13:11,318  
new tax it's quite new is it well for

264  
00:13:07,839 --> 00:13:13,959  
the benefit of skeptics own fans out

265  
00:13:11,318 --> 00:13:16,000  
there in a moment I'll take a big

266  
00:13:13,958 --> 00:13:19,119  
panorama and I'll put it on the twitter

267  
00:13:16,000 --> 00:13:20,519  
at skeptic zone so you can see what

268  
00:13:19,120 --> 00:13:23,500  
we're looking at but it's absolutely

269  
00:13:20,519 --> 00:13:27,759  
spectacular it couldn't be a better day

270  
00:13:23,500 --> 00:13:29,230  
for it either the Jay you've picked up

271  
00:13:27,759 --> 00:13:31,929

one of the leaflets there from outside

272

00:13:29,230 --> 00:13:34,389

the mind-body-spirit room and what do we

273

00:13:31,929 --> 00:13:37,328

have here here we have Trudy and more

274

00:13:34,389 --> 00:13:40,629

who does soul surgery some sort of

275

00:13:37,328 --> 00:13:42,399

shamanic clearing says here with over 20

276

00:13:40,629 --> 00:13:44,110

years experience Trudy is able to

277

00:13:42,399 --> 00:13:45,879

dissolve the psychic energy stored in

278

00:13:44,110 --> 00:13:48,669

the body from past trauma such as

279

00:13:45,879 --> 00:13:52,088

divorce anxiety emotional sexual abuse

280

00:13:48,669 --> 00:13:54,309

grief and accidents trauma often forces

281

00:13:52,089 --> 00:13:55,990

a soul fragment out of the body Trudy

282

00:13:54,309 --> 00:14:00,069

will journey to retrieve it restoring

283

00:13:55,990 --> 00:14:05,320

wholeness of being I'm convinced

284

00:14:00,070 --> 00:14:06,930

I'm confused are you chuckling now Joe

285

00:14:05,320 --> 00:14:09,280

what's happening we've got some very

286  
00:14:06,929 --> 00:14:11,379  
cost-effective discount therapeutic

287  
00:14:09,279 --> 00:14:13,149  
services here we've got the most

288  
00:14:11,379 --> 00:14:14,710  
affordable way to create change by

289  
00:14:13,149 --> 00:14:16,329  
nurturing your senses attained in a

290  
00:14:14,710 --> 00:14:18,550  
piece cope with life's demands and

291  
00:14:16,330 --> 00:14:21,430  
enhance your quality of life i can do it

292  
00:14:18,549 --> 00:14:24,659  
for cheaper you can I can I've had one

293  
00:14:21,429 --> 00:14:27,899  
of your cookies hahaha did it for me

294  
00:14:24,659 --> 00:14:27,899  
goodness man

295  
00:14:33,830 --> 00:14:38,490  
when I was growing up in the 1970s we

296  
00:14:36,809 --> 00:14:40,619  
used to have things called throw downs

297  
00:14:38,490 --> 00:14:46,500  
and throw down to a big part of

298  
00:14:40,620 --> 00:14:50,000  
firecracker night and hello I'm kids

299  
00:14:46,500 --> 00:14:50,000  
here with some throwdowns they're back

300  
00:15:00,330 --> 00:15:06,430  
the breeds over and we're winding our

301  
00:15:03,340 --> 00:15:08,980  
way down the street here still stalls

302  
00:15:06,429 --> 00:15:10,899  
and people as far as we can see which oh

303  
00:15:08,980 --> 00:15:14,320  
you have been winking out a bit of woo

304  
00:15:10,899 --> 00:15:17,409  
here now we just noticing that on the on

305  
00:15:14,320 --> 00:15:20,470  
the poles and posts are quit smoking

306  
00:15:17,409 --> 00:15:25,629  
signs guaranteed or something I hypnosis

307  
00:15:20,470 --> 00:15:29,550  
I believe ya mmm I'm skeptical I am

308  
00:15:25,629 --> 00:15:29,549  
skeptical too it may come as a shock

309  
00:15:30,230 --> 00:15:35,930  
well we're now making our way away from

310  
00:15:32,840 --> 00:15:37,960  
the winter magic Joe and you're just

311  
00:15:35,929 --> 00:15:40,609  
saying that there wasn't as much

312  
00:15:37,960 --> 00:15:43,100  
mysticism is woo and woo as you're

313  
00:15:40,610 --> 00:15:47,509  
expecting not quite as much this year no

314

00:15:43,100 --> 00:15:50,180  
it's curious very curious what lack of

315  
00:15:47,509 --> 00:15:51,950  
crystals maybe well after crystals lack

316  
00:15:50,179 --> 00:15:54,109  
of crystal trees but we did see the

317  
00:15:51,950 --> 00:15:56,000  
elusive blue mountains Panther we did

318  
00:15:54,110 --> 00:15:57,590  
see the elusive blue mountains Panther

319  
00:15:56,000 --> 00:15:59,529  
and we had a selfie with the blue

320  
00:15:57,590 --> 00:16:02,509  
mountains panther we did indeed

321  
00:15:59,529 --> 00:16:05,269  
cryptozoology at its best well that's

322  
00:16:02,509 --> 00:16:08,120  
the end of part one of our whoo weekend

323  
00:16:05,269 --> 00:16:12,639  
coming up after the break part two where

324  
00:16:08,120 --> 00:16:12,639  
we venture to mind/body wallet

325  
00:16:23,259 --> 00:16:28,100  
did you see that UFO sighting that made

326  
00:16:25,850 --> 00:16:29,810  
the news what did that latest study

327  
00:16:28,100 --> 00:16:32,240  
about alternative treatments really say

328  
00:16:29,809 --> 00:16:35,209

is this photo making the rounds real or

329

00:16:32,240 --> 00:16:37,070

hoax duffel news is a unique website

330

00:16:35,210 --> 00:16:39,230

featuring news about pseudoscience the

331

00:16:37,070 --> 00:16:40,930

paranormal anomalies and questionable

332

00:16:39,230 --> 00:16:43,879

claims framed with the skeptical view

333

00:16:40,929 --> 00:16:45,639

come visit doubtful newscom every day

334

00:16:43,879 --> 00:16:49,370

for news about cryptozoology

335

00:16:45,639 --> 00:16:52,279

conspiracies shams scams and more follow

336

00:16:49,370 --> 00:16:53,840

us on twitter at doubtful news critical

337

00:16:52,279 --> 00:16:56,120

thinking is essential in assessing

338

00:16:53,840 --> 00:16:59,950

today's news duffel news helps you

339

00:16:56,120 --> 00:16:59,950

decide can you really believe this stuff

340

00:17:05,259 --> 00:17:10,099

welcome to weaken science from our oz

341

00:17:07,910 --> 00:17:12,170

bringing you the science you need to

342

00:17:10,099 --> 00:17:14,299

know everyone knows that the Earth

343  
00:17:12,170 --> 00:17:17,000  
orbits the Sun but how did we actually

344  
00:17:14,299 --> 00:17:19,659  
get to know that let me introduce you to

345  
00:17:17,000 --> 00:17:19,660  
Galileo

346  
00:17:21,318 --> 00:17:26,849  
galileo galilei was born in Easley in

347  
00:17:24,199 --> 00:17:29,220  
1564 while studying medicine at

348  
00:17:26,849 --> 00:17:32,609  
university is it what so many students

349  
00:17:29,220 --> 00:17:34,259  
do and no not get horribly drunk found

350  
00:17:32,609 --> 00:17:36,178  
that his interest lay in a different

351  
00:17:34,259 --> 00:17:38,579  
field and changed this area of study

352  
00:17:36,179 --> 00:17:41,340  
luckily for us he discovered his passion

353  
00:17:38,579 --> 00:17:43,678  
in geometry and became a mathematician

354  
00:17:41,339 --> 00:17:45,720  
during his work as a mathematician he

355  
00:17:43,679 --> 00:17:48,000  
changed the theory of gravity the

356  
00:17:45,720 --> 00:17:50,058  
previous theory devised by Aristotle

357  
00:17:48,000 --> 00:17:52,890  
said that heavier objects fall faster

358  
00:17:50,058 --> 00:17:55,288  
Galileo showed all objects fell at the

359  
00:17:52,890 --> 00:17:57,299  
same speed after several years he moves

360  
00:17:55,288 --> 00:17:59,908  
the University of Padua which is where

361  
00:17:57,298 --> 00:18:01,859  
his most famous story starts it is here

362  
00:17:59,909 --> 00:18:04,850  
that he built his telescope and started

363  
00:18:01,859 --> 00:18:07,889  
observing the movements of the planets

364  
00:18:04,849 --> 00:18:09,869  
with his telescope Galileo discovered

365  
00:18:07,890 --> 00:18:12,720  
the mountains on the moon and the moons

366  
00:18:09,869 --> 00:18:14,428  
of Jupiter but what made Galileo famous

367  
00:18:12,720 --> 00:18:16,798  
was his confirmation of Copernicus

368  
00:18:14,429 --> 00:18:19,019  
theory of planets orbiting the Sun and

369  
00:18:16,798 --> 00:18:21,210  
not the earth as religious doctrine had

370  
00:18:19,019 --> 00:18:23,220  
stated the discovery of Jupiter's moons

371

00:18:21,210 --> 00:18:25,620  
show that not everything or was the

372  
00:18:23,220 --> 00:18:28,288  
earth and the phases of Venus showed

373  
00:18:25,619 --> 00:18:30,329  
that orbited the Sun Galileo realized

374  
00:18:28,288 --> 00:18:32,398  
that all planets including earth orbit

375  
00:18:30,329 --> 00:18:35,759  
of the Sun and published this theory in

376  
00:18:32,398 --> 00:18:37,859  
1632 for guy against religious dogma the

377  
00:18:35,759 --> 00:18:40,259  
Catholic Church found Galileo guilty of

378  
00:18:37,859 --> 00:18:43,109  
heresy imprisoned him and banned his

379  
00:18:40,259 --> 00:18:45,990  
book it was only in 1992 that the

380  
00:18:43,109 --> 00:18:49,750  
Catholic Church pardon Galileo and now

381  
00:18:45,990 --> 00:18:52,900  
for fast facts about planetary orbits

382  
00:18:49,750 --> 00:18:55,450  
a common misconception is the Galileo

383  
00:18:52,900 --> 00:18:58,390  
wasn't religious in fact he was a devout

384  
00:18:55,450 --> 00:19:00,789  
Catholic Galileo thought planet's orbit

385  
00:18:58,390 --> 00:19:02,710

of the Sun in circular orbits laser

386

00:19:00,789 --> 00:19:05,170

Kepler found that these orbits are in

387

00:19:02,710 --> 00:19:06,819

fact elliptical or oval shaped the

388

00:19:05,170 --> 00:19:09,070

elliptical orbits mean the Earth's

389

00:19:06,819 --> 00:19:11,980

distance from the Sun varies by around

390

00:19:09,069 --> 00:19:14,679

five million kilometers and earth speed

391

00:19:11,980 --> 00:19:17,230

as over the Sun is around 30 kilometers

392

00:19:14,680 --> 00:19:19,299

per second that's it for this week in

393

00:19:17,230 --> 00:19:21,160

science more information about the

394

00:19:19,299 --> 00:19:25,480

orbits of planets around the Sun Goes

395

00:19:21,160 --> 00:19:28,630

the RLS website RI aus dog to a you

396

00:19:25,480 --> 00:19:31,059

follow us on twitter at arias and like

397

00:19:28,630 --> 00:19:33,840

us on facebook i'm ben lewis and we'll

398

00:19:31,059 --> 00:19:33,839

catch you next week

399

00:19:39,659 --> 00:19:44,950

ad hominem begging the question factoid

400  
00:19:42,819 --> 00:19:47,109  
propagation false analogy false cause

401  
00:19:44,950 --> 00:19:48,909  
false dichotomy gibberish immunized

402  
00:19:47,109 --> 00:19:50,469  
hypothesis moral equivalence poison the

403  
00:19:48,909 --> 00:19:53,080  
well simple modern certitude stacking a

404  
00:19:50,470 --> 00:19:54,999  
deck and WTF are just some of the

405  
00:19:53,079 --> 00:19:57,519  
fallacies we provide real life examples

406  
00:19:54,999 --> 00:20:01,419  
of in hunting humbug 101 a podcast about

407  
00:19:57,519 --> 00:20:03,808  
bad arguments check it out at WWF text

408  
00:20:01,419 --> 00:20:03,809  
field guide

409  
00:20:16,720 --> 00:20:18,720  
Oh

410  
00:20:22,059 --> 00:20:28,389  
hello from the mind-body wat festival

411  
00:20:24,849 --> 00:20:31,089  
here in Sydney it's the 22nd of June

412  
00:20:28,390 --> 00:20:36,040  
okay I can't on the stage now on the

413  
00:20:31,089 --> 00:20:38,980  
main stage is a psychic and what strikes

414  
00:20:36,039 --> 00:20:44,920  
me is what he's doing on the stage there

415  
00:20:38,980 --> 00:20:48,039  
is so I'm textbook cold reading it's

416  
00:20:44,920 --> 00:20:50,320  
almost it's galling and people say our

417  
00:20:48,039 --> 00:20:51,849  
Richard you should have an open mind and

418  
00:20:50,319 --> 00:20:53,259  
good these things and have you tried

419  
00:20:51,849 --> 00:20:56,529  
this I can have you tried that psychic

420  
00:20:53,259 --> 00:20:58,240  
honestly people it's the same set of

421  
00:20:56,529 --> 00:21:01,450  
notes played on different instruments

422  
00:20:58,240 --> 00:21:05,279  
what a life is there a female energy

423  
00:21:01,450 --> 00:21:07,900  
here etc etc asking questions

424  
00:21:05,279 --> 00:21:10,450  
after all these years it's slightly mind

425  
00:21:07,900 --> 00:21:13,960  
numbing never mind never mind there's

426  
00:21:10,450 --> 00:21:17,170  
lots of other minor things here at

427  
00:21:13,960 --> 00:21:19,990  
mind-body wild here in Sydney healing

428

00:21:17,170 --> 00:21:23,650  
crystals lots of people offering health

429  
00:21:19,990 --> 00:21:27,279  
checks one wonders about the legalities

430  
00:21:23,650 --> 00:21:29,880  
of using these terms but anyway lots of

431  
00:21:27,279 --> 00:21:34,960  
readings lots of people selling

432  
00:21:29,880 --> 00:21:39,250  
certainly unproven pseudo medicines for

433  
00:21:34,960 --> 00:21:41,500  
your ills there are devices which you

434  
00:21:39,250 --> 00:21:44,890  
hold on to they run through a computer

435  
00:21:41,500 --> 00:21:46,119  
then then tell you your ills things like

436  
00:21:44,890 --> 00:21:48,820  
that and just walking down one of the

437  
00:21:46,119 --> 00:21:53,069  
Isles here what do we have here really

438  
00:21:48,819 --> 00:21:53,069  
into crystals I look very nice I'm sure

439  
00:21:54,169 --> 00:21:59,840  
the skin scroll art I'm not sure that is

440  
00:21:58,128 --> 00:22:02,988  
Chinese brush painting oh that's very

441  
00:21:59,839 --> 00:22:06,259  
nice there you go another tour going on

442  
00:22:02,989 --> 00:22:08,090

here POS equal Bell gotta love that it

443

00:22:06,259 --> 00:22:10,099

just stops your back flow just in case

444

00:22:08,089 --> 00:22:13,638

you're adjusting about stuff that moves

445

00:22:10,099 --> 00:22:15,949

through your vows so what happened in my

446

00:22:13,638 --> 00:22:19,638

spare time I was 14 I was going in and

447

00:22:15,950 --> 00:22:21,798

out of talk is entitled us how the human

448

00:22:19,638 --> 00:22:24,138

cells in the body are affected by the

449

00:22:21,798 --> 00:22:27,668

environment around them how to avoid

450

00:22:24,138 --> 00:22:30,738

guest wrote back gastrointestinal

451

00:22:27,669 --> 00:22:32,050

illness and cancer I think I've been

452

00:22:30,739 --> 00:22:34,090

listening

453

00:22:32,049 --> 00:22:37,629

do you have here I'll see another one

454

00:22:34,089 --> 00:22:41,339

stem cell nutrition free water testing

455

00:22:37,630 --> 00:22:44,680

hmm who I sense a marketing opportunity

456

00:22:41,339 --> 00:22:47,259

there lots of people here I must say

457  
00:22:44,680 --> 00:22:49,060  
it's not in its normal location this

458  
00:22:47,259 --> 00:22:52,029  
year it's way out in the burbs a little

459  
00:22:49,059 --> 00:22:56,889  
bit you're hard to get to it still the

460  
00:22:52,029 --> 00:23:00,089  
joint is packed it really is deep muscle

461  
00:22:56,890 --> 00:23:03,280  
massage hey what's wrong with that ah

462  
00:23:00,089 --> 00:23:09,269  
here we go clairvoyant palmistry Tarot

463  
00:23:03,279 --> 00:23:09,269  
etc psychic readings \$45 for 25 minutes

464  
00:23:09,298 --> 00:23:14,519  
there's money in them narrow that

465  
00:23:11,220 --> 00:23:17,210  
psychic industry let's walk around the

466  
00:23:14,519 --> 00:23:21,419  
corner here let's see what we can see

467  
00:23:17,210 --> 00:23:25,649  
more stands that's a purple today unless

468  
00:23:21,419 --> 00:23:28,409  
a sacred missed and hit an HSS i'm not

469  
00:23:25,648 --> 00:23:31,709  
sure what HFS dance for the audio

470  
00:23:28,409 --> 00:23:33,570  
hearing loss can affect anybody well

471  
00:23:31,710 --> 00:23:37,999  
that's true college of complementary

472  
00:23:33,569 --> 00:23:40,788  
medicine here certificate in kinesiology

473  
00:23:37,999 --> 00:23:44,940  
hmm those of you who know my video might

474  
00:23:40,788 --> 00:23:48,179  
get a chuckle out of that hole buddy or

475  
00:23:44,940 --> 00:23:53,029  
one of those

476  
00:23:48,179 --> 00:23:56,840  
aura cameras so-called order cameras

477  
00:23:53,029 --> 00:24:01,230  
menopause center and weight loss is he

478  
00:23:56,839 --> 00:24:05,669  
beeswax among Chinese acupuncture and

479  
00:24:01,230 --> 00:24:07,720  
massage lots of dream catchers here i'm

480  
00:24:05,670 --> 00:24:13,330  
passing at the moment

481  
00:24:07,720 --> 00:24:15,159  
had a funny dream last night clinical

482  
00:24:13,329 --> 00:24:18,158  
health clinic has the word health again

483  
00:24:15,159 --> 00:24:20,159  
more dream catchers goodness me that's

484  
00:24:18,159 --> 00:24:25,030  
more dream catchers here than I've seen

485

00:24:20,159 --> 00:24:28,360  
in a while more beeswax candles Feng

486  
00:24:25,029 --> 00:24:30,279  
Shui laws with Roxanne all I know

487  
00:24:28,359 --> 00:24:32,109  
Roxanne it's your wave at me as I walked

488  
00:24:30,279 --> 00:24:36,779  
past

489  
00:24:32,109 --> 00:24:38,939  
claiming magnetic jewelry yeah

490  
00:24:36,779 --> 00:24:40,529  
one question that keeps popping up year

491  
00:24:38,940 --> 00:24:42,990  
after year is where are the authorities

492  
00:24:40,529 --> 00:24:45,119  
there are so many dodgy claims being

493  
00:24:42,990 --> 00:24:47,130  
made here 11 is when the government is

494  
00:24:45,119 --> 00:24:48,929  
going to come in and have a word to some

495  
00:24:47,130 --> 00:24:51,290  
of these people here's an interesting

496  
00:24:48,930 --> 00:24:55,529  
one does your dog and cat suffer from

497  
00:24:51,289 --> 00:24:57,990  
itchy skin bad breath arthritis licking

498  
00:24:55,529 --> 00:25:01,440  
poor skin allergies please ear or eye

499  
00:24:57,990 --> 00:25:05,420

infections travel digestive and bowel

500

00:25:01,440 --> 00:25:07,890

problems thyroid skin allergies anxiety

501

00:25:05,420 --> 00:25:11,060

natural animal solutions one hundred

502

00:25:07,890 --> 00:25:13,830

percent natural professionally

503

00:25:11,059 --> 00:25:16,230

formulated by Australian naturopaths the

504

00:25:13,829 --> 00:25:19,619

other side says scientifically developed

505

00:25:16,230 --> 00:25:23,039

clinical health care no further comment

506

00:25:19,619 --> 00:25:27,799

needed one notices of these things lots

507

00:25:23,039 --> 00:25:31,019

of people waving their hands at people

508

00:25:27,799 --> 00:25:32,669

there's one chap who is looking at

509

00:25:31,019 --> 00:25:35,269

people one hand in the air and the other

510

00:25:32,670 --> 00:25:38,539

hand sort of spiraling towards use them

511

00:25:35,269 --> 00:25:40,759

mmm patient

512

00:25:38,539 --> 00:25:43,069

I think I've mentioned this tip on the

513

00:25:40,759 --> 00:25:45,289

skeptics on before but at the moment

514  
00:25:43,069 --> 00:25:47,899  
I've got my phone up to my ear as if I'm

515  
00:25:45,289 --> 00:25:49,450  
having a chat to somebody not only can i

516  
00:25:47,900 --> 00:25:53,570  
record without looking like a complete

517  
00:25:49,450 --> 00:25:54,980  
Wally but people will ignore you it's

518  
00:25:53,569 --> 00:25:57,049  
amazing when you're on the phone people

519  
00:25:54,980 --> 00:25:58,819  
just sort of look through you as if

520  
00:25:57,049 --> 00:26:01,940  
you're not there so you're not hassled

521  
00:25:58,819 --> 00:26:03,649  
by vendors and it's amazing it's like a

522  
00:26:01,940 --> 00:26:05,330  
huge get out of free jail card when

523  
00:26:03,650 --> 00:26:07,490  
you're in the social situation just to

524  
00:26:05,329 --> 00:26:10,579  
be on the phone in Europe in your own

525  
00:26:07,490 --> 00:26:14,240  
little world we're all passing chakra

526  
00:26:10,579 --> 00:26:18,019  
balancing crystals we have some tins

527  
00:26:14,240 --> 00:26:20,890  
machine dr. tins in a huge acupuncture

528  
00:26:18,019 --> 00:26:20,889  
chart links to it

529  
00:26:21,388 --> 00:26:28,738  
breakfast on your shoulder and away you

530  
00:26:23,368 --> 00:26:30,148  
go infrared saunas actually I amid

531  
00:26:28,739 --> 00:26:31,499  
somebody wants to the mind-body wallet

532  
00:26:30,148 --> 00:26:32,878  
first of all who is very angry the

533  
00:26:31,499 --> 00:26:35,098  
infrared saunas claiming that they

534  
00:26:32,878 --> 00:26:38,278  
weren't real saunas because real saunas

535  
00:26:35,098 --> 00:26:41,428  
of course your steam I'll let them fight

536  
00:26:38,278 --> 00:26:44,969  
that amongst themselves Oh astrology the

537  
00:26:41,429 --> 00:26:50,179  
old favorites are here what's this am I

538  
00:26:44,969 --> 00:26:52,349  
Australia one stop detox leaf greens

539  
00:26:50,179 --> 00:26:54,959  
there's even a psychic here with a

540  
00:26:52,348 --> 00:26:57,298  
crystal ball I kid you not Kari C

541  
00:26:54,959 --> 00:27:00,950  
psychic medium crystal ball readings

542

00:26:57,298 --> 00:27:03,829  
with Kerry sees good heavens

543  
00:27:00,950 --> 00:27:06,440  
then at home reiki courses talking about

544  
00:27:03,829 --> 00:27:07,730  
people waving their hands well they're

545  
00:27:06,440 --> 00:27:09,278  
actually touching the people there we

546  
00:27:07,730 --> 00:27:12,278  
are how nice is that new world

547  
00:27:09,278 --> 00:27:12,278  
chiropractic

548  
00:27:12,920 --> 00:27:20,700  
three health assessment hmm

549  
00:27:17,910 --> 00:27:25,080  
is a standard of people selling light

550  
00:27:20,700 --> 00:27:28,140  
bulbs now we're passing happy science

551  
00:27:25,079 --> 00:27:34,379  
Australia I don't think it's nice to

552  
00:27:28,140 --> 00:27:36,870  
have science somehow here candles as a

553  
00:27:34,380 --> 00:27:40,740  
couple of ear candle stands here they're

554  
00:27:36,869 --> 00:27:44,959  
still legal unfortunately it wouldn't be

555  
00:27:40,740 --> 00:27:47,490  
a mind-body wallet without iridology

556  
00:27:44,960 --> 00:27:50,370

iridology you know see your health

557

00:27:47,490 --> 00:27:52,480

through your eyes see your health

558

00:27:50,369 --> 00:27:57,079

potential

559

00:27:52,480 --> 00:27:59,509

hmm it's an interesting thing that

560

00:27:57,079 --> 00:28:05,009

everybody should know called weasel

561

00:27:59,509 --> 00:28:08,089

words may help with words this effect

562

00:28:05,009 --> 00:28:11,039

the more I walk around here the more

563

00:28:08,089 --> 00:28:14,250

just it becomes apparent to me that you

564

00:28:11,039 --> 00:28:17,789

could seriously you could set up just

565

00:28:14,250 --> 00:28:20,880

about anything here look professional

566

00:28:17,789 --> 00:28:22,769

have a few glossy signs make up

567

00:28:20,880 --> 00:28:25,800

something to back up your your claims

568

00:28:22,769 --> 00:28:27,710

and people would turn up and people give

569

00:28:25,799 --> 00:28:30,869

you their money I'm not kidding it's

570

00:28:27,710 --> 00:28:32,430

it's a I don't know what it is it's

571  
00:28:30,869 --> 00:28:34,679  
human nature this is what people are

572  
00:28:32,430 --> 00:28:36,539  
like I guess maybe it's an indictment of

573  
00:28:34,680 --> 00:28:42,440  
our educational system where our society

574  
00:28:36,539 --> 00:28:42,440  
in some respect that's one to ponder

575  
00:28:44,589 --> 00:28:51,038  
and so it's time for me to make my way

576  
00:28:47,650 --> 00:28:53,130  
out of mind-body wallet for another six

577  
00:28:51,038 --> 00:28:53,129  
months

578  
00:28:53,859 --> 00:29:00,079  
not much has changed over the years I

579  
00:28:55,929 --> 00:29:02,059  
guess it's a

580  
00:29:00,079 --> 00:29:05,240  
it's interesting and depressing at the

581  
00:29:02,058 --> 00:29:08,139  
same time really but as always I would

582  
00:29:05,240 --> 00:29:14,028  
always recommend that any skeptic camera

583  
00:29:08,140 --> 00:29:16,480  
at least comes along to a mind-body

584  
00:29:14,028 --> 00:29:16,480  
wallet

585  
00:29:28,259 --> 00:29:32,859  
virtual skeptics is a weekly web show in

586  
00:29:31,059 --> 00:29:35,169  
which we discuss the latest news in

587  
00:29:32,859 --> 00:29:36,669  
skepticism whether it's a new case of

588  
00:29:35,170 --> 00:29:38,860  
spontaneous human combustion a

589  
00:29:36,670 --> 00:29:41,080  
conspiracy theory the latest update on

590  
00:29:38,859 --> 00:29:42,759  
the upcoming robot apocalypse tech news

591  
00:29:41,079 --> 00:29:45,250  
for skeptics are the latest wacky

592  
00:29:42,759 --> 00:29:47,619  
religious claim we cover it all we

593  
00:29:45,250 --> 00:29:50,259  
record the show live as a Google+ on-air

594  
00:29:47,619 --> 00:29:52,089  
hang out so join us and our host Brian

595  
00:29:50,259 --> 00:29:54,220  
Gregory for an hour of mostly

596  
00:29:52,089 --> 00:29:57,129  
intelligent talk every wednesday at

597  
00:29:54,220 --> 00:30:00,130  
eight pm eastern US time watch us at

598  
00:29:57,130 --> 00:30:02,800  
virtual skeptics calm and participate in

599

00:30:00,130 --> 00:30:05,590  
the show on our hashtag virtual skeptics

600  
00:30:02,799 --> 00:30:09,389  
the virtual skeptics it's like meet the

601  
00:30:05,589 --> 00:30:09,389  
press but with chupacabras

602  
00:30:12,679 --> 00:30:20,679  
what we want is some more evidence

603  
00:30:15,499 --> 00:30:20,679  
please is Joe alabaster

604  
00:30:24,499 --> 00:30:31,950  
hello this is Joe alabaster last week I

605  
00:30:29,878 --> 00:30:34,798  
chatted about strange claims and myths

606  
00:30:31,950 --> 00:30:36,538  
surrounding conception pregnancy this

607  
00:30:34,798 --> 00:30:41,249  
week we're moving on to birth and early

608  
00:30:36,538 --> 00:30:43,589  
childhood late pregnancy by 38 weeks or

609  
00:30:41,249 --> 00:30:46,169  
so many women are a bit over pregnancy

610  
00:30:43,589 --> 00:30:47,939  
and just want the baby out I noticed

611  
00:30:46,169 --> 00:30:49,679  
discussions on my parenting forum

612  
00:30:47,940 --> 00:30:52,590  
turning to methods to bring on labor

613  
00:30:49,679 --> 00:30:55,649

eating spicy foods drinking castor oil

614

00:30:52,589 --> 00:30:57,959

and having sex the former two are

615

00:30:55,648 --> 00:31:00,329

intended to get the bowel moving somehow

616

00:30:57,960 --> 00:31:01,798

affecting the uterus also there is no

617

00:31:00,329 --> 00:31:03,749

good evidence that this works and

618

00:31:01,798 --> 00:31:06,210

drinking castor oil runs the risk of

619

00:31:03,749 --> 00:31:08,970

inducing horrible diarrhea potentially

620

00:31:06,210 --> 00:31:11,369

dehydrating the mother-to-be other

621

00:31:08,970 --> 00:31:14,850

methods that women try acupuncture

622

00:31:11,368 --> 00:31:17,459

acupressure eating pineapple bumpy car

623

00:31:14,849 --> 00:31:19,769

rides walking and particular exercises

624

00:31:17,460 --> 00:31:21,690

there's no evidence that these are at

625

00:31:19,769 --> 00:31:23,399

all effective though some women will

626

00:31:21,690 --> 00:31:25,440

swear by them not taking into

627

00:31:23,398 --> 00:31:28,138

consideration that the labor may well be

628  
00:31:25,440 --> 00:31:30,480  
on its way regardless correlation and

629  
00:31:28,138 --> 00:31:32,278  
causation there are some herbal

630  
00:31:30,480 --> 00:31:35,009  
preparations which may have an effect on

631  
00:31:32,278 --> 00:31:37,679  
the uterus or cervix but frankly taking

632  
00:31:35,009 --> 00:31:39,509  
substances that are unregulated not well

633  
00:31:37,679 --> 00:31:41,369  
measured and are causing changes in the

634  
00:31:39,509 --> 00:31:43,429  
body of a highly pregnant woman strikes

635  
00:31:41,368 --> 00:31:46,168  
me as potentially rather dangerous in

636  
00:31:43,429 --> 00:31:47,759  
late pregnancy Australian women are

637  
00:31:46,169 --> 00:31:50,159  
regularly in touch with Hospital

638  
00:31:47,759 --> 00:31:52,618  
midwives and obstetricians if for some

639  
00:31:50,159 --> 00:31:54,690  
reason induction it is recommended they

640  
00:31:52,618 --> 00:31:58,470  
can carry it out in a supervised and

641  
00:31:54,690 --> 00:32:01,470  
evidence-based manner for my first birth

642  
00:31:58,470 --> 00:32:02,489  
I wanted to avoid having an epidural not

643  
00:32:01,470 --> 00:32:04,288  
because I'd fallen for the

644  
00:32:02,489 --> 00:32:06,239  
misinformation surrounding the risks of

645  
00:32:04,288 --> 00:32:08,009  
having an epidural and there are minor

646  
00:32:06,239 --> 00:32:10,069  
risks which an anesthetist should

647  
00:32:08,009 --> 00:32:12,450  
discuss with women during a consultation

648  
00:32:10,069 --> 00:32:15,148  
but because I was rather squeamish about

649  
00:32:12,450 --> 00:32:16,830  
the idea of having on puddin I do find

650  
00:32:15,148 --> 00:32:18,808  
this little amusing in retrospect

651  
00:32:16,829 --> 00:32:20,158  
worrying about a needle was one of the

652  
00:32:18,808 --> 00:32:22,769  
furthest things from our mind during

653  
00:32:20,159 --> 00:32:25,039  
labor nonetheless I did look into

654  
00:32:22,769 --> 00:32:27,960  
alternative methods of pain relief a

655  
00:32:25,038 --> 00:32:30,929  
TENS machine transcutaneous electrical

656

00:32:27,960 --> 00:32:33,358  
nerve stimulation was the first idea I

657  
00:32:30,929 --> 00:32:35,309  
looked into the evidence for their

658  
00:32:33,358 --> 00:32:36,569  
effectiveness is weak and more studies

659  
00:32:35,308 --> 00:32:38,398  
are needed but

660  
00:32:36,569 --> 00:32:39,990  
risks of using them a minimal and they

661  
00:32:38,398 --> 00:32:42,449  
do give women an active role in managing

662  
00:32:39,990 --> 00:32:44,700  
at least some sensations in their bodies

663  
00:32:42,450 --> 00:32:47,940  
if not controlling the pain itself as

664  
00:32:44,700 --> 00:32:49,710  
tens units are self-operated while I was

665  
00:32:47,940 --> 00:32:51,899  
looking around online at companies who

666  
00:32:49,710 --> 00:32:54,620  
hired out labor tens machines I came

667  
00:32:51,898 --> 00:32:58,589  
across one who was also selling

668  
00:32:54,619 --> 00:33:00,599  
homeopathic birthing kits for just \$99

669  
00:32:58,589 --> 00:33:03,509  
women can purchase a little plastic box

670  
00:33:00,599 --> 00:33:07,769

containing 13 vials of sugar pills and

671

00:33:03,509 --> 00:33:09,509

I've no doubt that some women do hypno

672

00:33:07,769 --> 00:33:11,548

birthing is a rather popular system

673

00:33:09,509 --> 00:33:14,788

quite a few women in my birth group

674

00:33:11,548 --> 00:33:17,700

bought the books CDs DVDs and attended

675

00:33:14,788 --> 00:33:20,158

the classes hypno birthing is a self

676

00:33:17,700 --> 00:33:21,870

hypnosis method and its philosophy seems

677

00:33:20,159 --> 00:33:23,909

to espouse the notion that childbirth

678

00:33:21,869 --> 00:33:25,979

canon be painless comfortable and

679

00:33:23,909 --> 00:33:27,840

intervention free and that much of the

680

00:33:25,980 --> 00:33:30,419

pain experienced by women during labor

681

00:33:27,839 --> 00:33:33,119

is due to fears of being in pain and a

682

00:33:30,419 --> 00:33:35,250

lack of control I cannot comment on

683

00:33:33,119 --> 00:33:37,469

hypno birthing zephyr Casilla but I

684

00:33:35,250 --> 00:33:38,878

would like to personally note that one

685  
00:33:37,470 --> 00:33:41,190  
of the things that concerns me about

686  
00:33:38,878 --> 00:33:43,259  
this and other methods and ideologies

687  
00:33:41,190 --> 00:33:45,808  
which promote an empowered painless

688  
00:33:43,259 --> 00:33:47,700  
birthing experience is the potential for

689  
00:33:45,808 --> 00:33:49,558  
women to experience disappointment and

690  
00:33:47,700 --> 00:33:52,319  
distress if they do require medical

691  
00:33:49,558 --> 00:33:54,000  
intervention do experience pain or in

692  
00:33:52,319 --> 00:33:56,128  
some other way their experience doesn't

693  
00:33:54,000 --> 00:34:00,089  
meet up with what they've been told and

694  
00:33:56,128 --> 00:34:02,038  
have believed that can be delayed cord

695  
00:34:00,089 --> 00:34:04,319  
clamping is a common request made of

696  
00:34:02,038 --> 00:34:06,359  
midwives the claim is that the blood

697  
00:34:04,319 --> 00:34:08,578  
within the umbilical cord is beneficial

698  
00:34:06,359 --> 00:34:10,500  
to the newly born baby and while there

699  
00:34:08,579 --> 00:34:13,139  
is no notable long-term benefit in doing

700  
00:34:10,500 --> 00:34:16,318  
so delaying cord clamping is of no harm

701  
00:34:13,139 --> 00:34:18,869  
a more extreme practice is that of lotus

702  
00:34:16,318 --> 00:34:21,059  
birth in which the umbilical cord is not

703  
00:34:18,869 --> 00:34:22,919  
cut and remains attached to the placenta

704  
00:34:21,059 --> 00:34:25,799  
until it disintegrates on its own

705  
00:34:22,918 --> 00:34:27,388  
several days postpartum there is no

706  
00:34:25,800 --> 00:34:29,730  
evidence that keeping the placenta

707  
00:34:27,389 --> 00:34:31,559  
attached is of any benefit and there is

708  
00:34:29,730 --> 00:34:33,628  
a risk that infection can occur in the

709  
00:34:31,559 --> 00:34:36,869  
placenta transferring to the baby via

710  
00:34:33,628 --> 00:34:38,098  
the umbilical cord the most worrying

711  
00:34:36,869 --> 00:34:40,588  
misinformation I've come across

712  
00:34:38,099 --> 00:34:42,750  
regarding Lotus birthing was given by

713

00:34:40,588 --> 00:34:45,418  
the Australian vaccination Network a

714  
00:34:42,750 --> 00:34:47,429  
woman who was advised to have an anti d

715  
00:34:45,418 --> 00:34:48,869  
injection by her medical providers as

716  
00:34:47,429 --> 00:34:51,869  
the child she is carrying with

717  
00:34:48,869 --> 00:34:54,420  
h+ and she was Rh negative was advised

718  
00:34:51,869 --> 00:34:56,940  
by the AVM that the anti D injection

719  
00:34:54,420 --> 00:34:59,639  
contained a fire muzzle it does not and

720  
00:34:56,940 --> 00:35:01,380  
to consider a lotus birth as they were

721  
00:34:59,639 --> 00:35:03,599  
under the impression that late cord

722  
00:35:01,380 --> 00:35:05,070  
clamping and lotus birth eliminates the

723  
00:35:03,599 --> 00:35:08,880  
exchange of blood between mother and

724  
00:35:05,070 --> 00:35:12,330  
baby they do not the H Triple C have

725  
00:35:08,880 --> 00:35:14,430  
addressed this claim on to lactation

726  
00:35:12,329 --> 00:35:16,110  
there are plenty of myths and much

727  
00:35:14,429 --> 00:35:18,149

advice regarding establishing

728

00:35:16,110 --> 00:35:20,910

breastfeeding should a woman wish to do

729

00:35:18,150 --> 00:35:23,039

so and increasing milk supply from

730

00:35:20,909 --> 00:35:26,429

consuming the placenta either cooked

731

00:35:23,039 --> 00:35:28,559

fresh or dehydrated taking herbs to a

732

00:35:26,429 --> 00:35:30,419

lactation cookies recipe that has been

733

00:35:28,559 --> 00:35:32,820

doing the rounds via parenting forums

734

00:35:30,420 --> 00:35:35,700

for some years I'll admit to having

735

00:35:32,820 --> 00:35:38,039

baked the cookies or rather having had

736

00:35:35,699 --> 00:35:39,449

somebody bake the cookies for me whether

737

00:35:38,039 --> 00:35:43,940

they actually have a go back to log

738

00:35:39,449 --> 00:35:46,019

effect is disputable but cookies

739

00:35:43,940 --> 00:35:48,269

maintaining supply during breastfeeding

740

00:35:46,019 --> 00:35:50,159

can be an incredibly waris and concern

741

00:35:48,269 --> 00:35:51,989

especially for new parents who are

742  
00:35:50,159 --> 00:35:54,839  
experiencing one heck of a life change

743  
00:35:51,989 --> 00:35:56,579  
and often very little sleep early

744  
00:35:54,840 --> 00:35:58,620  
childhood nurses are experienced in

745  
00:35:56,579 --> 00:36:00,809  
monitoring how feeding is going and can

746  
00:35:58,619 --> 00:36:04,259  
refer families to a lactation consultant

747  
00:36:00,809 --> 00:36:08,940  
if any problems are suspected mastitis

748  
00:36:04,260 --> 00:36:10,950  
is a pain characterized by saw painful

749  
00:36:08,940 --> 00:36:13,440  
or hardened breasts flu-like symptoms

750  
00:36:10,949 --> 00:36:15,359  
and a high temperature it can be caused

751  
00:36:13,440 --> 00:36:18,929  
by inflammation due to blocked milk

752  
00:36:15,360 --> 00:36:20,760  
ducts or from a bacterial infection this

753  
00:36:18,929 --> 00:36:22,649  
is one state to the GP should it be

754  
00:36:20,760 --> 00:36:24,240  
experienced there's some women try to

755  
00:36:22,650 --> 00:36:27,470  
treat it at home with cabbage leaves

756  
00:36:24,239 --> 00:36:30,929  
applied to the breasts and homeopathics

757  
00:36:27,469 --> 00:36:33,029  
young babies can experience colic which

758  
00:36:30,929 --> 00:36:35,190  
is the term used to describe unexplained

759  
00:36:33,030 --> 00:36:37,350  
crying fetch which usually happen in the

760  
00:36:35,190 --> 00:36:39,780  
afternoon and evening the cause is

761  
00:36:37,349 --> 00:36:41,819  
unknown and it's generally self-limiting

762  
00:36:39,780 --> 00:36:44,510  
again speak with an early childhood

763  
00:36:41,820 --> 00:36:46,710  
nurse or your GP if you're concerned

764  
00:36:44,510 --> 00:36:48,350  
naturally there are a few claims that

765  
00:36:46,710 --> 00:36:51,150  
there's a queue of colic out there

766  
00:36:48,349 --> 00:36:53,699  
chiropractors treated pharmacies so

767  
00:36:51,150 --> 00:36:55,530  
homeopathics and gripe water a horrible

768  
00:36:53,699 --> 00:36:59,279  
concoction with no demonstrated efficacy

769  
00:36:55,530 --> 00:37:02,140  
and quite sure that I could do an entire

770

00:36:59,280 --> 00:37:03,670  
series on myths surrounding vaccinations

771  
00:37:02,139 --> 00:37:05,980  
and make a full time job of refuting

772  
00:37:03,670 --> 00:37:08,528  
them dr. Richie has written extensively

773  
00:37:05,980 --> 00:37:10,389  
on vaccination myths on the off chance

774  
00:37:08,528 --> 00:37:12,460  
you haven't already I recommend checking

775  
00:37:10,389 --> 00:37:15,848  
out her articles on the conversation and

776  
00:37:12,460 --> 00:37:19,329  
Mamma Mia the final topic I would like

777  
00:37:15,849 --> 00:37:21,700  
to discuss today is teething now here's

778  
00:37:19,329 --> 00:37:24,309  
one of my personal bugbears when the

779  
00:37:21,699 --> 00:37:26,230  
exhausted parent of a grumpy sleepless

780  
00:37:24,309 --> 00:37:28,059  
teething baby walks into a pharmacy

781  
00:37:26,230 --> 00:37:30,190  
looking for something to relieve their

782  
00:37:28,059 --> 00:37:32,740  
Bub's discomfort and they approach the

783  
00:37:30,190 --> 00:37:34,510  
baby needs oil that generally confronted

784  
00:37:32,739 --> 00:37:36,268

with an array of gels and such which

785

00:37:34,510 --> 00:37:39,220

claim to soothe the pain of teething

786

00:37:36,268 --> 00:37:42,219

some have active ingredients some claim

787

00:37:39,219 --> 00:37:45,608

to be natural some have nothing in them

788

00:37:42,219 --> 00:37:47,919

at all homeopathic teething remedies on

789

00:37:45,608 --> 00:37:50,889

the shelves next to those with active

790

00:37:47,920 --> 00:37:53,470

ingredients so many of my birth group

791

00:37:50,889 --> 00:37:54,848

friends generally quite savvy people but

792

00:37:53,469 --> 00:37:57,038

without a particular interest in

793

00:37:54,849 --> 00:37:58,750

skepticism picked up the homeopathic

794

00:37:57,039 --> 00:38:00,789

remedies instead of those which had a

795

00:37:58,750 --> 00:38:01,989

chance of having an effect under the

796

00:38:00,789 --> 00:38:03,869

impression that they were doing

797

00:38:01,989 --> 00:38:06,129

something to help their infants of

798

00:38:03,869 --> 00:38:08,140

course there are homeopathics

799  
00:38:06,130 --> 00:38:09,880  
masquerading as medicines in pharmacies

800  
00:38:08,139 --> 00:38:12,338  
which have the potential to do more harm

801  
00:38:09,880 --> 00:38:14,140  
in particular those which people up to

802  
00:38:12,338 --> 00:38:17,409  
use in lieu of seeking medical advice

803  
00:38:14,139 --> 00:38:19,298  
for potentially serious conditions but

804  
00:38:17,409 --> 00:38:21,518  
the pharmacies would choose to deceive

805  
00:38:19,298 --> 00:38:24,099  
young parents by selling homeopathics

806  
00:38:21,518 --> 00:38:27,098  
alongside effective teething gels really

807  
00:38:24,099 --> 00:38:29,019  
galls me needless to say I fully support

808  
00:38:27,099 --> 00:38:31,740  
dr. ken hobbies campaign against

809  
00:38:29,018 --> 00:38:34,268  
homeopathics being sold in pharmacies

810  
00:38:31,739 --> 00:38:37,739  
the other highly popular teething bunk

811  
00:38:34,268 --> 00:38:40,209  
is the Baltic amber teething necklace

812  
00:38:37,739 --> 00:38:42,308  
those who listen to my report last week

813  
00:38:40,210 --> 00:38:45,490  
maybe guessing what I'm about to admit

814  
00:38:42,309 --> 00:38:47,470  
to I'd like to preface this with a note

815  
00:38:45,489 --> 00:38:49,868  
that when my son was teething I was

816  
00:38:47,469 --> 00:38:52,118  
incredibly worn out experiencing

817  
00:38:49,869 --> 00:38:54,759  
postnatal depression and anxiety barely

818  
00:38:52,119 --> 00:38:56,440  
sleeping and desperate a situation that

819  
00:38:54,759 --> 00:38:58,990  
I imagine is common to a heck of a lot

820  
00:38:56,440 --> 00:39:02,470  
of new parents we're generally not at

821  
00:38:58,989 --> 00:39:04,118  
our most mentally acute the TGA warnings

822  
00:39:02,469 --> 00:39:06,909  
were not out yet and I was not involved

823  
00:39:04,119 --> 00:39:08,170  
in any skeptical communities I'm not

824  
00:39:06,909 --> 00:39:10,358  
presenting this background information

825  
00:39:08,170 --> 00:39:12,130  
as an excuse but hopefully it will serve

826  
00:39:10,358 --> 00:39:14,259  
as an explanation as to the state of

827

00:39:12,130 --> 00:39:15,910  
mind of parents who buy into these silly

828  
00:39:14,259 --> 00:39:19,298  
things

829  
00:39:15,909 --> 00:39:22,949  
I bought my son a Baltic amber necklace

830  
00:39:19,298 --> 00:39:25,809  
to help with his teething discomfort oh

831  
00:39:22,949 --> 00:39:27,909  
they don't help there's no plausible

832  
00:39:25,809 --> 00:39:29,890  
mechanism by which they can release an

833  
00:39:27,909 --> 00:39:32,288  
analgesic substance when warmed against

834  
00:39:29,889 --> 00:39:34,239  
the skin which is their claim they were

835  
00:39:32,289 --> 00:39:36,190  
choking and strangulation hazard I

836  
00:39:34,239 --> 00:39:37,779  
learned this while the necklace was in

837  
00:39:36,190 --> 00:39:40,210  
the post and my son didn't wear it

838  
00:39:37,780 --> 00:39:42,910  
though many of my parenting friends have

839  
00:39:40,210 --> 00:39:45,429  
put them on their kids when the subject

840  
00:39:42,909 --> 00:39:47,500  
arises many taker well what's the harm

841  
00:39:45,429 --> 00:39:50,169

approach to whether they're effective or

842

00:39:47,500 --> 00:39:52,329

not to my mind the harms of potential

843

00:39:50,170 --> 00:39:53,829

strangulation and choking to which

844

00:39:52,329 --> 00:39:55,410

they're generally reply that their

845

00:39:53,829 --> 00:39:58,480

children early weather must supervise

846

00:39:55,409 --> 00:40:00,759

wasted money the investment of hope in a

847

00:39:58,480 --> 00:40:03,670

sham and the perpetuation of cultural

848

00:40:00,760 --> 00:40:05,650

acceptance of the silly things and there

849

00:40:03,670 --> 00:40:07,720

is a cultural acceptance and even

850

00:40:05,650 --> 00:40:10,720

promotion of so many myths and shams

851

00:40:07,719 --> 00:40:12,179

surrounding early parenthood it can be

852

00:40:10,719 --> 00:40:14,199

incredibly difficult to navigate

853

00:40:12,179 --> 00:40:16,868

particularly when you're immersed in the

854

00:40:14,199 --> 00:40:20,278

exhausting elating emotional and opinion

855

00:40:16,869 --> 00:40:22,599

heavy world of caring for a new baby if

856  
00:40:20,278 --> 00:40:24,880  
skepticism and science-based parenting

857  
00:40:22,599 --> 00:40:27,068  
is a topic which interests you Lauren

858  
00:40:24,880 --> 00:40:29,559  
Cochran president of Canberra skeptics

859  
00:40:27,068 --> 00:40:32,048  
and myself have started up a Facebook

860  
00:40:29,559 --> 00:40:34,200  
group parenting skeptically which would

861  
00:40:32,048 --> 00:40:36,818  
welcome you to lack and participate in

862  
00:40:34,199 --> 00:40:39,098  
also olurum will be speaking at Brisbane

863  
00:40:36,818 --> 00:40:41,679  
skepta camp next month on the topic

864  
00:40:39,099 --> 00:40:44,619  
parenting skeptically mummy guilt versus

865  
00:40:41,679 --> 00:40:46,808  
good science brisbane skepta camp is on

866  
00:40:44,619 --> 00:40:49,510  
the 19th of july at hamilton town hall

867  
00:40:46,809 --> 00:40:51,760  
check out riz skeptic amp dot org for

868  
00:40:49,510 --> 00:40:53,410  
more information i'll also be there

869  
00:40:51,760 --> 00:40:54,940  
wandering about with my skeptic zone

870  
00:40:53,409 --> 00:40:57,629  
microphone and speaking to some

871  
00:40:54,940 --> 00:40:57,630  
fascinating people

872  
00:41:02,980 --> 00:41:07,360  
you've argued against the same woo so

873  
00:41:05,840 --> 00:41:09,860  
many times you can do it in your sleep

874  
00:41:07,360 --> 00:41:11,990  
quit trying to stop the nonsense one

875  
00:41:09,860 --> 00:41:14,750  
person at a time join guerrilla

876  
00:41:11,989 --> 00:41:16,549  
skepticism on Wikipedia help us make

877  
00:41:14,750 --> 00:41:18,920  
sure the best skeptical information is

878  
00:41:16,550 --> 00:41:22,160  
always at everyone's fingertips we need

879  
00:41:18,920 --> 00:41:24,530  
writers editors translators we need you

880  
00:41:22,159 --> 00:41:27,649  
and take as much or as little time as

881  
00:41:24,530 --> 00:41:29,780  
you can give us help us make Wikipedia

882  
00:41:27,650 --> 00:41:31,190  
as accurate as it can be and you'll

883  
00:41:29,780 --> 00:41:34,640  
literally be helping people while you

884

00:41:31,190 --> 00:41:36,800  
sleep to join us or find out more send a

885  
00:41:34,639 --> 00:41:40,449  
facebook friend request to Susan Durbin

886  
00:41:36,800 --> 00:41:44,450  
that's ger be IC guerrilla skepticism

887  
00:41:40,449 --> 00:41:46,509  
the time is now

888  
00:41:44,449 --> 00:41:46,509  
you

889  
00:41:53,239 --> 00:41:59,098  
thank you for listening to the skeptic

890  
00:41:55,710 --> 00:42:01,829  
zone not long now before I start to pack

891  
00:41:59,099 --> 00:42:05,309  
my bags i'm off to Las Vegas for the

892  
00:42:01,829 --> 00:42:06,778  
amazing meeting in July looking forward

893  
00:42:05,309 --> 00:42:09,028  
to that looking forward to running

894  
00:42:06,778 --> 00:42:11,940  
around with dr. Karl cruising whiskey in

895  
00:42:09,028 --> 00:42:13,829  
Las Vegas it's dr. Cole's first time at

896  
00:42:11,940 --> 00:42:16,980  
the amazing meeting if you're coming to

897  
00:42:13,829 --> 00:42:19,559  
the amazing meeting say hello to me say

898  
00:42:16,980 --> 00:42:23,159

hello to dr. Karl I'm sure we'll have a

899

00:42:19,559 --> 00:42:25,859

really great time and that's just so we

900

00:42:23,159 --> 00:42:27,929

can whet our appetite for the Australian

901

00:42:25,858 --> 00:42:33,298

skeptics National Convention which will

902

00:42:27,929 --> 00:42:35,219

be in November November the 28 29 and 30

903

00:42:33,298 --> 00:42:38,940

if this year and you can get your

904

00:42:35,219 --> 00:42:41,969

tickets are at convention skeptics calm

905

00:42:38,940 --> 00:42:44,880

today you guests include the skeptics

906

00:42:41,969 --> 00:42:47,308

guide to the universe george horeb dick

907

00:42:44,880 --> 00:42:49,500

smith dr. carless of mentioned dr.

908

00:42:47,309 --> 00:42:52,319

Rachel be giving a talk Sonia Pemberton

909

00:42:49,500 --> 00:42:54,750

patina art and many more yet to be

910

00:42:52,318 --> 00:42:56,068

announced looking forward to seeing you

911

00:42:54,750 --> 00:42:58,679

they are looking forward to seeing you

912

00:42:56,068 --> 00:43:02,548

at tam wherever you see me please come

913  
00:42:58,679 --> 00:43:04,318  
up and say hello but for this week this

914  
00:43:02,548 --> 00:43:11,400  
is Richard Saunders and Fred the cat

915  
00:43:04,318 --> 00:43:14,788  
signing off from Sydney Australia you've

916  
00:43:11,400 --> 00:43:19,410  
been listening to the skeptic zone visit

917  
00:43:14,789 --> 00:43:21,869  
our website at [www skeptic zone TV](http://www.skepticzone.tv) for

918  
00:43:19,409 --> 00:43:24,500  
comments contacts and extra video

919  
00:43:21,869 --> 00:43:24,500  
reports

920  
00:43:27,449 --> 00:43:29,480  
Oh