

The Skeptic Zone
Show 263 - 3 Nov 2013

Young Scientist Awards



1
00:00:22,710 --> 00:00:09,080
welcome to the skeptic zone the podcast

2
00:00:30,460 --> 00:00:25,930
hello and welcome to the skeptic zone

3
00:00:32,409 --> 00:00:30,470
for Sunday the third of November 2013

4
00:00:34,570 --> 00:00:32,419
Richardson is here with you they're

5
00:00:36,990 --> 00:00:34,580
coming live from the festival of mind

6
00:00:42,340 --> 00:00:37,000
body spirit or of course as we call it

7
00:00:43,900 --> 00:00:42,350
mind body wallet very crowded here today

8
00:00:47,619 --> 00:00:43,910
down in darling harbour in Sydney in the

9
00:00:51,369 --> 00:00:47,629
huge exhibition center many many stores

10
00:00:54,400 --> 00:00:51,379
and stands lots of people are about

11
00:00:57,160 --> 00:00:54,410
hello the science of spirituality who

12
00:00:58,959 --> 00:00:57,170
knew it was a science spiritual healing

13
00:01:01,690 --> 00:00:58,969

which means just holding your hand above

14

00:01:04,359 --> 00:01:01,700

somebody for no apparent reason all

15

00:01:07,180 --> 00:01:04,369

going effects Australia selling devices

16

00:01:10,050 --> 00:01:07,190

to save you from naughty energy which I

17

00:01:13,560 --> 00:01:10,060

might check back later on

18

00:01:14,700 --> 00:01:13,570

hmm and all sorts of other things I'm

19

00:01:17,249 --> 00:01:14,710

going to wander around here and i'll

20

00:01:19,679 --> 00:01:17,259

report back a little bit later in the

21

00:01:23,340 --> 00:01:19,689

show but coming up coming up on this

22

00:01:26,669 --> 00:01:23,350

week's episode of the skeptic zone or if

23

00:01:29,219 --> 00:01:26,679

Maynard Maynard at the recent Skippy

24

00:01:31,529 --> 00:01:29,229

camp talking to some people Kate always

25

00:01:34,410 --> 00:01:31,539

and Robin Hilliard about various

26

00:01:38,190 --> 00:01:34,420

interesting skeptical matters including

27

00:01:40,440 --> 00:01:38,200

aviation are also my report about the

28

00:01:43,020 --> 00:01:40,450

recent young scientist of the Year

29

00:01:46,380 --> 00:01:43,030

awards I was very honored to go down and

30

00:01:47,699 --> 00:01:46,390

present some awards down there and yes I

31

00:01:50,609 --> 00:01:47,709

couldn't help but I couldn't help it in

32

00:01:52,800 --> 00:01:50,619

fact I was requested to but I had to do

33

00:01:55,440 --> 00:01:52,810

it I had to bend a spoon that's a tough

34

00:01:56,969 --> 00:01:55,450

life anyway that report coming back on

35

00:01:58,559 --> 00:01:56,979

and more information about the wonderful

36

00:02:03,749 --> 00:01:58,569

program that is the young scientists of

37

00:02:05,730 --> 00:02:03,759

the year of course we have weakened

38

00:02:08,550 --> 00:02:05,740

signs with dr. Paul woods from the Royal

39

00:02:11,510 --> 00:02:08,560

Institution of Australia which is of

40

00:02:13,190 --> 00:02:11,520

course very popular

41

00:02:14,030 --> 00:02:13,200

a bit later on in the show more

42

00:02:15,950 --> 00:02:14,040

information about the upcoming

43

00:02:17,360 --> 00:02:15,960

Australian skeptics convention some more

44

00:02:20,330 --> 00:02:17,370

information about the wonderful fringe

45

00:02:22,940 --> 00:02:20,340

events we have going on down there and

46

00:02:25,250 --> 00:02:22,950

I've been told there are less than 20

47

00:02:28,810 --> 00:02:25,260

tickets now less than 20 tickets for the

48

00:02:32,060 --> 00:02:28,820

convention now is the time to book

49

00:02:38,270 --> 00:02:32,070

anyway well I wonder around this maze of

50

00:02:41,210 --> 00:02:38,280

people and it's just coffee oh my love

51
00:02:44,660 --> 00:02:41,220
can't be all bad and psychics oh well

52
00:02:47,000 --> 00:02:44,670
there you go I'll do that i'll report

53
00:03:05,470 --> 00:02:47,010
back later and i hope you enjoy the

54
00:03:09,950 --> 00:03:07,730
during the week it was my pleasure to

55
00:03:12,230 --> 00:03:09,960
travel down to warn Gong which is south

56
00:03:14,390 --> 00:03:12,240
of Sydney to the University of

57
00:03:17,690 --> 00:03:14,400
Wollongong I was going down there to

58
00:03:21,080 --> 00:03:17,700
take part in the young scientist award

59
00:03:23,960 --> 00:03:21,090
now the young scientist award is from

60
00:03:26,030 --> 00:03:23,970
the Science Teachers Association of New

61
00:03:28,610 --> 00:03:26,040
South Wales a wonderful group of people

62
00:03:31,010 --> 00:03:28,620
and the Australian skeptics have been

63
00:03:33,500 --> 00:03:31,020

associated with these awards now for

64

00:03:35,780 --> 00:03:33,510

many years before the awards ceremony I

65

00:03:38,960 --> 00:03:35,790

spent some time in the wollongong

66

00:03:42,590 --> 00:03:38,970

Science Center and planetarium which was

67

00:03:45,050 --> 00:03:42,600

a lot of fun Here I am at the Science

68

00:03:48,040 --> 00:03:45,060

Center getting ready for the young

69

00:04:11,720 --> 00:03:48,050

scientist awards and I found here

70

00:04:14,990 --> 00:04:11,730

therapy there we go well not exactly the

71

00:04:17,180 --> 00:04:15,000

beach boys but there you go a theremin

72

00:04:18,680 --> 00:04:17,190

good heavens it's a nice little setup

73

00:04:21,199 --> 00:04:18,690

they've got here at the planetarium and

74

00:04:23,420 --> 00:04:21,209

science center at the university of

75

00:04:27,890 --> 00:04:23,430

wollongong there's a mechanical elephant

76
00:04:30,800 --> 00:04:27,900
or dinosaur have to check that out looks

77
00:04:34,070 --> 00:04:30,810
like a theropod

78
00:04:36,740 --> 00:04:34,080
the skeleton of the theropod anyway and

79
00:04:40,190 --> 00:04:36,750
very nicely displayed that is too with

80
00:04:43,830 --> 00:04:40,200
around the corner here your replica of

81
00:04:51,890 --> 00:04:49,129
and look above me and I see an early box

82
00:04:56,159 --> 00:04:51,900
kite which can be the prototype for the

83
00:04:58,290 --> 00:04:56,169
fire they've got one of these

84
00:05:02,189 --> 00:04:58,300
interesting pendulums here which rocked

85
00:05:03,540 --> 00:05:02,199
back and forth and to show that the

86
00:05:07,140 --> 00:05:03,550
earth is spinning and knocks over

87
00:05:09,090 --> 00:05:07,150
various dumb dominoes as it goes an

88
00:05:13,290 --> 00:05:09,100

exercise bike the texts to your power

89

00:05:16,650 --> 00:05:13,300

output all sorts of waits until Roboto a

90

00:05:18,510 --> 00:05:16,660

little robot press it's a little robot

91

00:05:23,640 --> 00:05:18,520

inside a glass dome poor little thing

92

00:05:26,629 --> 00:05:23,650

it's got looks like eyes it's like a rat

93

00:05:30,180 --> 00:05:26,639

in a cage just pumping back and forth

94

00:05:32,750 --> 00:05:30,190

ugh brains it's called

95

00:05:37,740 --> 00:05:32,760

coming over here to the back of the room

96

00:05:44,700 --> 00:05:37,750

what do we have oh it's one of these um

97

00:05:51,350 --> 00:05:48,720

and next to it is one of the one of

98

00:05:55,890 --> 00:05:51,360

those things in seven of nine used to

99

00:05:58,670 --> 00:05:55,900

sleep under to regenerate a plasma sort

100

00:06:02,749 --> 00:06:00,350

what god this is a little hidden

101
00:06:05,420 --> 00:06:02,759
treasure here for Wollongong people come

102
00:06:07,070 --> 00:06:05,430
to your planetarium look at a vortex

103
00:06:12,170 --> 00:06:07,080
here spinning away in water Oates you

104
00:06:13,460 --> 00:06:12,180
stopped a giant clock here I better go

105
00:06:17,240 --> 00:06:13,470
upstairs and check out the nano

106
00:06:18,950 --> 00:06:17,250
technology exhibition oh my way up the

107
00:06:21,680 --> 00:06:18,960
stairs there's a current population

108
00:06:29,420 --> 00:06:21,690
clock of the world the Australian number

109
00:06:37,249 --> 00:06:29,430
is only 21 nearly 22 million note

110
00:06:41,020 --> 00:06:37,259
strange sound you can hear hundreds of

111
00:06:44,140 --> 00:06:41,030
little beads falling down a pyramid of

112
00:06:46,909 --> 00:06:44,150
little stoppers to represent probability

113
00:06:49,400 --> 00:06:46,919

and the computer down below shows us

114

00:06:52,450 --> 00:06:49,410

that these little beads appalling more

115

00:07:03,459 --> 00:06:52,460

or less as you would expect with a bell

116

00:07:09,200 --> 00:07:06,499

that's a little bit later on the whole

117

00:07:10,760 --> 00:07:09,210

place is alive with all the guests and

118

00:07:12,920 --> 00:07:10,770

students here for the young scientist

119

00:07:17,149 --> 00:07:12,930

award and back at the big pendulum now

120

00:07:19,119 --> 00:07:17,159

knocking over the Donald dominoes the

121

00:07:26,850 --> 00:07:19,129

graph over there looks like it's a

122

00:07:30,659 --> 00:07:28,740

it's really nice to see this area for

123

00:07:32,909 --> 00:07:30,669

full of people them robots are out it

124

00:07:38,010 --> 00:07:32,919

again bouncing around their little

125

00:08:03,589 --> 00:07:40,480

and I can play with the robot here and

126

00:08:07,770 --> 00:08:06,029

well after looking around the science

127

00:08:09,779 --> 00:08:07,780

center and planetarium bus getting a

128

00:08:12,330 --> 00:08:09,789

laser show in the planetary which was

129

00:08:16,070 --> 00:08:12,340

really spectacular it was time to go to

130

00:08:18,899 --> 00:08:16,080

the young scientists Awards I was very

131

00:08:26,999 --> 00:08:18,909

privileged to be able to present one of

132

00:08:28,800 --> 00:08:27,009

the wards myself I like mike says days

133

00:08:30,929 --> 00:08:28,810

Richard Saunders of these strange

134

00:08:33,180 --> 00:08:30,939

skeptics to come to the front and say a

135

00:08:35,069 --> 00:08:33,190

few words with a Foreman's will also

136

00:08:42,659 --> 00:08:35,079

present a special recognition awards in

137

00:08:43,980 --> 00:08:42,669

a scientific investigation section thank

138

00:08:48,600 --> 00:08:43,990

you very much what a pleasure it is to

139

00:08:51,360 --> 00:08:48,610

be here again I've been very lucky to be

140

00:08:54,240 --> 00:08:51,370

able to come here here after here most

141

00:08:56,910 --> 00:08:54,250

years for many years now to shake the

142

00:08:59,490 --> 00:08:56,920

hands of the young scientist so many of

143

00:09:01,470 --> 00:08:59,500

you may wonder why would like the

144

00:09:03,329 --> 00:09:01,480

Australian skeptics is interested in

145

00:09:06,269 --> 00:09:03,339

supporting the young scientist flat

146

00:09:09,990 --> 00:09:06,279

heart the Australian skeptics supports

147

00:09:12,420 --> 00:09:10,000

science that's our key interest so far

148

00:09:14,970 --> 00:09:12,430

we have so much fun we get to look for

149

00:09:17,699 --> 00:09:14,980

ghosts we really do like monsters and

150

00:09:19,680 --> 00:09:17,709

UFOs and all that sort of stuff and many

151
00:09:22,050 --> 00:09:19,690
years ago and this is why the skeptics

152
00:09:25,500 --> 00:09:22,060
really got going there were people going

153
00:09:29,340 --> 00:09:25,510
around the world claiming they can do

154
00:09:31,259 --> 00:09:29,350
things science couldn't explain i'm

155
00:09:33,329 --> 00:09:31,269
going to show you an optical illusions

156
00:09:37,139 --> 00:09:33,339
it's a normal it's an old one but two

157
00:09:40,199 --> 00:09:37,149
big one the spoon somebody requested I

158
00:09:42,900 --> 00:09:40,209
bring a spoon Indian thing it's just a

159
00:09:44,610 --> 00:09:42,910
normal spoon but there's a great optical

160
00:09:48,210 --> 00:09:44,620
illusion something you may have seen

161
00:09:51,300 --> 00:09:48,220
with a pen you all depend like this you

162
00:09:55,199 --> 00:09:51,310
give a little eagle it can look like

163
00:09:56,340 --> 00:09:55,209

it's made have a brother so bear that

164

00:09:58,980 --> 00:09:56,350

optical

165

00:10:01,740 --> 00:09:58,990

and to show you what people used to do

166

00:10:03,690 --> 00:10:01,750

to trick out the people remember it's an

167

00:10:06,210 --> 00:10:03,700

optical illusion so we get this spoon

168

00:10:09,300 --> 00:10:06,220

which I got from the payment shop I hold

169

00:10:11,550 --> 00:10:09,310

it like this is a little run here and I

170

00:10:14,160 --> 00:10:11,560

think to myself I want this spoon to

171

00:10:17,310 --> 00:10:14,170

melt and bend in my hands against the

172

00:10:21,950 --> 00:10:17,320

laws of physics here we go and if you

173

00:10:25,980 --> 00:10:21,960

concentrate you will actually think

174

00:10:30,270 --> 00:10:25,990

you're seeing that spoon start to wiggle

175

00:10:31,920 --> 00:10:30,280

it's such a strong delusion I wrote just

176

00:10:35,340 --> 00:10:31,930

do that see that you can see that

177

00:10:38,100 --> 00:10:35,350

wiggling yeah yeah of course spoons

178

00:10:39,570 --> 00:10:38,110

can't do that we know now is only about

179

00:10:53,380 --> 00:10:39,580

the collusion because you can't read

180

00:10:53,390 --> 00:11:05,440

last time I did that everybody important

181

00:11:11,930 --> 00:11:08,180

what we do in the Australian skeptics is

182

00:11:15,050 --> 00:11:11,940

we would have unusual claims and we

183

00:11:18,560 --> 00:11:15,060

pounce on people who use scientific

184

00:11:21,470 --> 00:11:18,570

sounding words to sell things that are

185

00:11:24,020 --> 00:11:21,480

really in there just plain nonsense and

186

00:11:26,090 --> 00:11:24,030

we have an awful lot of but next time I

187

00:11:27,920 --> 00:11:26,100

go on a ghost nothing to her I might

188

00:11:36,050 --> 00:11:27,930

invite some young scientists with me

189

00:11:38,990 --> 00:11:36,060

thank you very much and the young

190

00:11:41,990 --> 00:11:39,000

scientist of the year for this year 2013

191

00:11:44,450 --> 00:11:42,000

was Ethan butson from the Illawarra

192

00:11:47,510 --> 00:11:44,460

grammar school now a three times when I

193

00:11:50,150 --> 00:11:47,520

which i think is a record the strength

194

00:11:52,070 --> 00:11:50,160

of his research was the development of a

195

00:11:54,200 --> 00:11:52,080

prototype device to improve the vision

196

00:11:57,080 --> 00:11:54,210

of people who have suffered certain

197

00:11:58,930 --> 00:11:57,090

visual impairments due to a stroke that

198

00:12:02,870 --> 00:11:58,940

sounds very impressive i hope to

199

00:12:05,090 --> 00:12:02,880

interview Ethan are pretty soon on the

200

00:12:07,580 --> 00:12:05,100

skeptic zone other winners on the night

201
00:12:11,240 --> 00:12:07,590
in the primary section the primary young

202
00:12:13,580 --> 00:12:11,250
scientist was Juliet napton of Abbot's

203
00:12:16,300 --> 00:12:13,590
Leigh junior school and the budding

204
00:12:20,090 --> 00:12:16,310
young scientist was Cameron phrygia of

205
00:12:22,400 --> 00:12:20,100
Glenhaven public school congratulations

206
00:12:24,260 --> 00:12:22,410
to all the winners and well done to the

207
00:12:26,720 --> 00:12:24,270
Science Teachers Association of New

208
00:12:45,410 --> 00:12:26,730
South Wales for supporting young

209
00:12:51,360 --> 00:12:48,720
the mystery investigators show four high

210
00:12:54,269 --> 00:12:51,370
schools using science to investigate the

211
00:12:57,810 --> 00:12:54,279
strange and mysterious spoon bending

212
00:13:02,250 --> 00:12:57,820
fire walking a bed of nails water

213
00:13:04,740 --> 00:13:02,260

divining astrology false memories how do

214

00:13:06,930 --> 00:13:04,750

you use the scientific method to

215

00:13:09,449 --> 00:13:06,940

investigate and explain these strange

216

00:13:12,180 --> 00:13:09,459

and amazing claims the mystery

217

00:13:15,870 --> 00:13:12,190

investigators show is a fun interactive

218

00:13:19,829 --> 00:13:15,880

hour of science and magic if you're in

219

00:13:22,710 --> 00:13:19,839

the sydney area visit w WM astray

220

00:13:25,139 --> 00:13:22,720

investigators com to find out more and

221

00:13:28,350 --> 00:13:25,149

for bookings the mystery investigators

222

00:13:47,119 --> 00:13:28,360

using science to investigate the strange

223

00:13:51,359 --> 00:13:49,559

the mind-body-spirit first of all I'm

224

00:13:54,900 --> 00:13:51,369

just walking around now the various mini

225

00:13:58,859 --> 00:13:54,910

aisles here and maybe it's occurred to

226

00:14:00,689 --> 00:13:58,869

me it does occur to me sometimes that is

227

00:14:01,949 --> 00:14:00,699

this a case of let the buyer beware I

228

00:14:04,249 --> 00:14:01,959

mean there are all sorts of people here

229

00:14:06,590 --> 00:14:04,259

selling things that don't work and

230

00:14:10,350 --> 00:14:06,600

psychic experiences which aren't

231

00:14:12,859 --> 00:14:10,360

obviously true out-of-body for example

232

00:14:16,910 --> 00:14:12,869

which I'm passing at the moment but

233

00:14:20,129 --> 00:14:16,920

what's what's the what's the stage where

234

00:14:23,669 --> 00:14:20,139

the government and authority should step

235

00:14:25,289 --> 00:14:23,679

in and persecute or whatever for selling

236

00:14:28,079 --> 00:14:25,299

fake products I guess they should I

237

00:14:29,759 --> 00:14:28,089

guess they should but everybody here has

238

00:14:32,309 --> 00:14:29,769

the opportunity to find out if these

239

00:14:34,319 --> 00:14:32,319

things are my legitimate or not a lot of

240

00:14:36,929 --> 00:14:34,329

them want them to be true lot of them

241

00:14:39,539 --> 00:14:36,939

will spend their money here regardless I

242

00:14:42,710 --> 00:14:39,549

would suspect it's an interesting one I

243

00:14:47,850 --> 00:14:42,720

guess there are various limits levels I

244

00:14:50,400 --> 00:14:47,860

wonder where that line in the sand is

245

00:14:53,650 --> 00:14:50,410

the acupuncture clinic is very father ah

246

00:14:56,370 --> 00:14:53,660

here's the room of psychics

247

00:14:58,780 --> 00:14:56,380

50 or so psychics are sitting at tables

248

00:15:00,370 --> 00:14:58,790

and you can choose your psychic from the

249

00:15:03,300 --> 00:15:00,380

wall of psychics or the photograph and

250

00:15:05,350 --> 00:15:03,310

what they do oh how exciting is that

251

00:15:07,780 --> 00:15:05,360

seems to me you can make a decent living

252

00:15:11,140 --> 00:15:07,790

just by setting up a storm waving your

253

00:15:15,670 --> 00:15:11,150

hands over somebody which people are

254

00:15:17,220 --> 00:15:15,680

doing right left and center on custom

255

00:15:22,480 --> 00:15:17,230

has to do is sit down shut their eyes

256

00:15:25,570 --> 00:15:22,490

ten minutes later hand over money no end

257

00:15:27,370 --> 00:15:25,580

of acupuncture charts in this place the

258

00:15:30,160 --> 00:15:27,380

plastic ones you've probably seen

259

00:15:33,010 --> 00:15:30,170

yourself with a skinned human showing

260

00:15:36,120 --> 00:15:33,020

muscle and magic meridian lines see

261

00:15:39,310 --> 00:15:36,130

about four of them sensible coming in

262

00:15:42,230 --> 00:15:39,320

and various people claiming to be

263

00:15:44,449 --> 00:15:42,240

psychic whatever that means

264

00:15:48,230 --> 00:15:44,459

and the prize for the best and word

265

00:15:51,860 --> 00:15:48,240

salad of the day goes to quantum balance

266

00:15:56,360 --> 00:15:51,870

crystals that waiteth a body scans and

267

00:15:58,660 --> 00:15:56,370

energy readings \$25 for 10 minutes yep

268

00:16:01,330 --> 00:15:58,670

that's the winner

269

00:16:03,790 --> 00:16:01,340

we also have the other popular or images

270

00:16:06,220 --> 00:16:03,800

with those funny aura camera suits look

271

00:16:10,600 --> 00:16:06,230

like very old fashioned boxes Fox

272

00:16:13,900 --> 00:16:10,610

brownies or something yeah

273

00:16:17,530 --> 00:16:13,910

natural dentistry one shudders to think

274

00:16:18,940 --> 00:16:17,540

what that means raylene cable it was the

275

00:16:22,240 --> 00:16:18,950

contestant on the very first series of

276

00:16:25,150 --> 00:16:22,250

the one in 2008 she's got a little booth

277

00:16:29,190 --> 00:16:25,160

here a big poster as seen on the hit TV

278

00:16:34,360 --> 00:16:29,200

series the lamp there you go

279

00:16:39,850 --> 00:16:37,540

you have to see someone doing the body

280

00:16:41,890 --> 00:16:39,860

balance tricks with the power bands or

281

00:16:44,680 --> 00:16:41,900

anything like that but i still haven't

282

00:16:46,630 --> 00:16:44,690

seen everything yet rap still something

283

00:16:48,250 --> 00:16:46,640

I can't quite get used to harmony conia

284

00:16:51,310 --> 00:16:48,260

candles and there's a woman lying down

285

00:16:54,430 --> 00:16:51,320

with a candle stuck in her ear and the

286

00:16:57,190 --> 00:16:54,440

other side is blazing merrily away from

287

00:16:59,019 --> 00:16:57,200

those people who follow me on Facebook

288

00:17:00,400 --> 00:16:59,029

probably know exactly what I'm talking

289

00:17:03,070 --> 00:17:00,410

about because I'm about to take a

290

00:17:06,120 --> 00:17:03,080

picture of it I've been coming to this

291

00:17:11,910 --> 00:17:06,130

mind body right now for over 10 years

292

00:17:14,380 --> 00:17:11,920

twice a year for over 10 years and yeah

293

00:17:17,410 --> 00:17:14,390

sometimes I'm listen but the frustration

294

00:17:19,419 --> 00:17:17,420

is really apparent because I'm passing

295

00:17:22,120 --> 00:17:19,429

all sorts of people paying good may for

296

00:17:23,740 --> 00:17:22,130

all sorts of services which my the laws

297

00:17:26,679 --> 00:17:23,750

of nature and physics can't possibly

298

00:17:28,870 --> 00:17:26,689

work and there's a part of me I guess

299

00:17:30,520 --> 00:17:28,880

you could understand that wants to tell

300

00:17:32,980 --> 00:17:30,530

everybody stop in and say look this

301

00:17:36,250 --> 00:17:32,990

doesn't work

302

00:17:38,549 --> 00:17:36,260

these machines don't do anything this

303

00:17:41,270 --> 00:17:38,559

product is clearly bogus but you can't

304

00:17:43,280 --> 00:17:41,280

you know

305

00:17:45,410 --> 00:17:43,290

you'd probably be shown the door or

306

00:17:46,460 --> 00:17:45,420

you'd be wasting your time to logic

307

00:17:53,530 --> 00:17:46,470

sneakers people don't want to hear this

308

00:17:56,960 --> 00:17:53,540

but I will admit it can be really really

309

00:17:59,760 --> 00:17:56,970

frustrating it's like you feel sort of

310

00:18:01,950 --> 00:17:59,770

helpless in a way but I guess

311

00:18:04,080 --> 00:18:01,960

give it getting information and then

312

00:18:06,540 --> 00:18:04,090

acting on it later on the best you can

313

00:18:08,940 --> 00:18:06,550

is the best you can do sort of leave you

314

00:18:11,350 --> 00:18:08,950

at that frustration I will admit so I

315

00:18:15,010 --> 00:18:11,360

think I've mentioned this before that

316

00:18:17,770 --> 00:18:15,020

periodically I get the better myself and

317

00:18:21,730 --> 00:18:17,780

I'll say something no argue with a

318

00:18:26,150 --> 00:18:21,740

stallholder on it something like that it

319

00:18:28,580 --> 00:18:26,160

gives you a momentary buzz

320

00:18:31,130 --> 00:18:28,590

doesn't really help

321

00:18:34,630 --> 00:18:31,140

but it doesn't really Indiana doesn't

322

00:18:38,540 --> 00:18:36,440

still

323

00:18:42,430 --> 00:18:38,550

rule human an assignment um about

324

00:18:45,900 --> 00:18:42,440

passing says you were not born to suffer

325

00:18:50,350 --> 00:18:48,250

well I guess it's a bonus because

326

00:18:53,800 --> 00:18:50,360

there's nobody here doing kinesiology

327

00:18:55,420 --> 00:18:53,810

tests as the in the ones of the the arm

328

00:18:56,980 --> 00:18:55,430

tests and the rubber bands and selling

329

00:18:59,530 --> 00:18:56,990

pendants and making yourself weak or

330

00:19:02,050 --> 00:18:59,540

strong or whatever the case may be used

331

00:19:04,660 --> 00:19:02,060

before there will be numerous people

332

00:19:06,850 --> 00:19:04,670

doing those sort of things but they seem

333

00:19:15,060 --> 00:19:06,860

to have gone so I guess that's a plus

334

00:19:20,290 --> 00:19:17,470

yeah I said before that I'd found the

335

00:19:23,620 --> 00:19:20,300

winner for the word salad well I think I

336

00:19:26,680 --> 00:19:23,630

found another winner quantum vortex

337

00:19:29,530 --> 00:19:26,690

healing revolutionary and a

338

00:19:35,860 --> 00:19:29,540

multi-dimensional fifteen dollars for 15

339

00:19:37,860 --> 00:19:35,870

minutes so there you go how about that

340

00:19:42,220 --> 00:19:37,870

there's actually a palm reader here

341

00:19:44,560 --> 00:19:42,230

goodness me behold favorite well I have

342

00:19:47,710 --> 00:19:44,570

a bag full of a ferocious the pore over

343

00:19:50,170 --> 00:19:47,720

later on from everything from magic

344

00:19:54,730 --> 00:19:50,180

devices to save your home from naughty

345

00:19:57,970 --> 00:19:54,740

energies or campaigning to take away

346

00:20:00,580 --> 00:19:57,980

fluoride from our water supply and all

347

00:20:02,110 --> 00:20:00,590

sorts of things like that if you get a

348

00:20:04,780 --> 00:20:02,120

chance to come to a mind-body-spirit

349

00:20:07,210 --> 00:20:04,790

festival I suggest you take it and walk

350

00:20:10,330 --> 00:20:07,220

around ask questions have a look gather

351

00:20:11,860 --> 00:20:10,340

brochures it's not a waste of time it's

352

00:20:14,140 --> 00:20:11,870

not a waste of money if something every

353

00:20:15,910 --> 00:20:14,150

skeptic should do it's all very well

354

00:20:18,090 --> 00:20:15,920

being skeptical about things but I think

355

00:20:21,880 --> 00:20:18,100

you need to be

356

00:20:26,560 --> 00:20:21,890

on the frontline some time looking

357

00:20:27,880 --> 00:20:26,570

gathering information learning even

358

00:20:31,840 --> 00:20:27,890

though it can be quite frustrating at

359

00:20:49,590 --> 00:20:31,850

times so I think it's time for me to

360

00:20:53,740 --> 00:20:52,120

hey this is jay novella from the

361

00:20:55,660 --> 00:20:53,750

skeptics guide to the universe podcast

362

00:20:57,520 --> 00:20:55,670

did you know that there are thousands of

363

00:20:59,230 --> 00:20:57,530

skeptical reports interviews and

364

00:21:01,960 --> 00:20:59,240

investigations going back to nineteen

365

00:21:05,830 --> 00:21:01,970

eighty one free to download just visit w

366

00:21:07,540 --> 00:21:05,840

WC a pet co a you click the publications

367

00:21:09,250 --> 00:21:07,550

link and enjoy almost every back issue

368

00:21:11,049 --> 00:21:09,260

of the skeptic the journal from

369

00:21:12,610 --> 00:21:11,059

Australian skeptics you can also

370

00:21:14,890 --> 00:21:12,620

subscribe online and get the latest

371

00:21:16,900 --> 00:21:14,900

digital or hard copy of this the world's

372

00:21:20,590 --> 00:21:16,910

second oldest skeptical magazine that's

373

00:21:31,150 --> 00:21:20,600

ww skeptics com au or just google

374

00:21:34,210 --> 00:21:31,160

Australian skeptics this week in science

375

00:21:37,210 --> 00:21:34,220

we Sol reconstructing lost lumbering the

376
00:21:48,060 --> 00:21:37,220
tail wagging the dog and Forests respond

377
00:21:53,769 --> 00:21:50,830
one of the largest ever dinosaurs has

378
00:21:57,039 --> 00:21:53,779
taken its first steps in 94 million

379
00:21:59,380 --> 00:21:57,049
years paleontologists stand a 40 meter

380
00:22:01,810 --> 00:21:59,390
long skeleton of Argentinosaurus and

381
00:22:04,000 --> 00:22:01,820
used digital modeling to recreate it

382
00:22:06,159 --> 00:22:04,010
walking and running these impressive

383
00:22:08,200 --> 00:22:06,169
animals and not like any creature alive

384
00:22:10,090 --> 00:22:08,210
today which creates a lot of

385
00:22:12,039 --> 00:22:10,100
misunderstanding about how they could

386
00:22:14,769 --> 00:22:12,049
have moved the new study clearly

387
00:22:17,409 --> 00:22:14,779
demonstrates that this 80,000 kilo

388
00:22:19,630 --> 00:22:17,419

dinosaur was able to stroll across South

389

00:22:23,590 --> 00:22:19,640

America at about eight kilometres an

390

00:22:26,019 --> 00:22:23,600

hour have you ever wondered how ticks

391

00:22:28,419 --> 00:22:26,029

get under your skin for the first time

392

00:22:30,940 --> 00:22:28,429

researchers videoed and analyzed how a

393

00:22:32,980 --> 00:22:30,950

tick attaches to the skin it uses a

394

00:22:35,350 --> 00:22:32,990

ratchet like mechanism where to mouth

395

00:22:38,289 --> 00:22:35,360

parts move alternately to generate an

396

00:22:40,990 --> 00:22:38,299

anchor point it then uses a breaststroke

397

00:22:43,389 --> 00:22:41,000

like motion to insert a bob spike

398

00:22:48,570 --> 00:22:43,399

allowing it to stay attached fat out to

399

00:22:53,860 --> 00:22:51,310

traditional swaddling of babies may lead

400

00:22:56,019 --> 00:22:53,870

to hip problems later in life those

401
00:22:58,810 --> 00:22:56,029
brain training games apps and websites

402
00:23:01,240 --> 00:22:58,820
may improve your memory but not your

403
00:23:03,850 --> 00:23:01,250
intelligence forest canopies grow bent

404
00:23:06,190 --> 00:23:03,860
over time buffering lower growing plants

405
00:23:07,779 --> 00:23:06,200
against global warming and dogs respond

406
00:23:09,700 --> 00:23:07,789
differently when their mates wag their

407
00:23:11,620 --> 00:23:09,710
tails to the right then when they wag

408
00:23:14,850 --> 00:23:11,630
them to the left which is thought to

409
00:23:17,530 --> 00:23:14,860
signify different emotions

410
00:23:30,940 --> 00:23:17,540
that's it for this a week in science

411
00:23:32,940 --> 00:23:30,950
I'll see you back here next week now on

412
00:23:35,620 --> 00:23:32,950
Belfast FM we turn to the person lads

413
00:23:37,930 --> 00:23:35,630

easygoing and confidence skeptic seeks

414

00:23:40,000 --> 00:23:37,940

other critical thinkers for fun laughter

415

00:23:42,040 --> 00:23:40,010

and good times must be willing to apply

416

00:23:43,720 --> 00:23:42,050

logic liberally and a good listener

417

00:23:46,090 --> 00:23:43,730

expect something new and interesting

418

00:23:48,010 --> 00:23:46,100

every month come on meet me in Belfast

419

00:23:49,870 --> 00:23:48,020

in Northern Ireland if this sounds like

420

00:23:57,900 --> 00:23:49,880

you check out my profile on bail for

421

00:24:06,370 --> 00:24:03,100

here's my not spooky action at the

422

00:24:13,040 --> 00:24:09,950

there's no who we got here my name is

423

00:24:15,080 --> 00:24:13,050

Kate alway and now are you a a splinter

424

00:24:16,910 --> 00:24:15,090

group of in the within the skeptics a

425

00:24:18,560 --> 00:24:16,920

you another skeptic group member you an

426
00:24:20,720 --> 00:24:18,570
atheist group member what group do you

427
00:24:23,810 --> 00:24:20,730
represent today I get involved with in

428
00:24:25,760 --> 00:24:23,820
atheist groups okay and right and now

429
00:24:29,900 --> 00:24:25,770
are the many familiar faces you are

430
00:24:32,510 --> 00:24:29,910
skeptics usually atheists generally

431
00:24:35,000 --> 00:24:32,520
absolutely this group which is lovely

432
00:24:37,400 --> 00:24:35,010
I've been coming for three years because

433
00:24:41,140 --> 00:24:37,410
I'm with the UTS atheists and we

434
00:24:43,490 --> 00:24:41,150
actually sponsor by booking the rooms so

435
00:24:46,610 --> 00:24:43,500
this is a great group that we're very

436
00:24:48,799 --> 00:24:46,620
happy to to be involved with because yes

437
00:24:51,799 --> 00:24:48,809
most people are atheists if they're not

438
00:24:53,900 --> 00:24:51,809

it's not a big deal hmm people

439

00:24:56,150 --> 00:24:53,910

understand what I talk about atheists

440

00:24:57,620 --> 00:24:56,160

issues very much certainly things I'd

441

00:24:59,330 --> 00:24:57,630

like to have a chat to some skeptics at

442

00:25:00,590 --> 00:24:59,340

our theist one day I just haven't met

443

00:25:01,640 --> 00:25:00,600

any or any that want to have a chat I'd

444

00:25:04,220 --> 00:25:01,650

like to have a chat to them about how

445

00:25:05,750 --> 00:25:04,230

they have a reconcile that yes it would

446

00:25:07,850 --> 00:25:05,760

be very interesting I've met a few

447

00:25:10,580 --> 00:25:07,860

people over the years with various views

448

00:25:12,590 --> 00:25:10,590

that being in involved in atheism gets

449

00:25:14,180 --> 00:25:12,600

people coming to you and at the

450

00:25:15,980 --> 00:25:14,190

university of technology here in sydney

451
00:25:17,390 --> 00:25:15,990
what is the biggest challenge for the

452
00:25:18,799 --> 00:25:17,400
atheists here in the group has ever got

453
00:25:21,530 --> 00:25:18,809
a campaign of any sort going on the

454
00:25:23,419 --> 00:25:21,540
moment the biggest challenge is getting

455
00:25:26,480 --> 00:25:23,429
it together to get people in the same

456
00:25:29,180 --> 00:25:26,490
place do there are lots of people who

457
00:25:31,370 --> 00:25:29,190
are interested who expressed that we

458
00:25:33,410 --> 00:25:31,380
could do great things but getting them

459
00:25:37,130 --> 00:25:33,420
to do it on we're contending with the

460
00:25:39,799 --> 00:25:37,140
problems of the neoliberal world and the

461
00:25:41,870 --> 00:25:39,809
cubs in education which make life hard

462
00:25:43,910 --> 00:25:41,880
for students in general and how do you

463
00:25:46,460 --> 00:25:43,920

get on with the Islamic and Christian

464

00:25:49,250 --> 00:25:46,470

groups on campus great actually we've

465

00:25:52,820 --> 00:25:49,260

had several events that we've held with

466

00:25:54,950 --> 00:25:52,830

the Christians with credo here and some

467

00:25:57,500 --> 00:25:54,960

of their people have regularly come to

468

00:26:00,919 --> 00:25:57,510

our events to the Islamic and the Jewish

469

00:26:04,370 --> 00:26:00,929

groups and the the Adventist group even

470

00:26:06,770 --> 00:26:04,380

we've been working on have it organizing

471

00:26:12,830 --> 00:26:06,780

with but they're not quite so big and

472

00:26:14,480 --> 00:26:12,840

organized and huge and living sometimes

473

00:26:16,220 --> 00:26:14,490

an interfaith meeting can be a lot of

474

00:26:17,030 --> 00:26:16,230

fun because you get to have your ideas

475

00:26:19,070 --> 00:26:17,040

challenged and

476

00:26:20,690 --> 00:26:19,080

you learn a bit about the way theists

477

00:26:21,920 --> 00:26:20,700

think and perceive the world and and

478

00:26:25,340 --> 00:26:21,930

that that can only be a learning

479

00:26:27,410 --> 00:26:25,350

experience usually absolutely well I'm

480

00:26:28,700 --> 00:26:27,420

very keen to talk to the Jewish group

481

00:26:31,100 --> 00:26:28,710

because they've been having issues with

482

00:26:34,640 --> 00:26:31,110

that they have a lot of atheists in

483

00:26:37,400 --> 00:26:34,650

their group make sense to me and but

484

00:26:40,220 --> 00:26:37,410

they had a speaker recently who was who

485

00:26:42,350 --> 00:26:40,230

blamed Jewish atheists for the demise of

486

00:26:45,740 --> 00:26:42,360

Jewish culture or something so they're

487

00:26:49,340 --> 00:26:45,750

they're keen to talk to us also the

488

00:26:52,450 --> 00:26:49,350

Islamic group will we've agreed the

489

00:26:54,470 --> 00:26:52,460

people i've talked to that both groups

490

00:26:56,300 --> 00:26:54,480

experiencing similar things in that

491

00:26:59,000 --> 00:26:56,310

we're both minorities were both

492

00:27:02,060 --> 00:26:59,010

marginalized people think strange things

493

00:27:04,010 --> 00:27:02,070

about both of us and people in each

494

00:27:07,010 --> 00:27:04,020

group think very strange things about

495

00:27:09,530 --> 00:27:07,020

the others so yeah we're getting on to

496

00:27:12,050 --> 00:27:09,540

having a knife well moderated discussion

497

00:27:14,360 --> 00:27:12,060

that doesn't talk about what people

498

00:27:17,900 --> 00:27:14,370

believe but how people came to that and

499

00:27:19,670 --> 00:27:17,910

and what that does for us you spoke to

500

00:27:21,800 --> 00:27:19,680

me earlier briefly that you're getting a

501
00:27:23,120 --> 00:27:21,810
float together for Mardi Gras parade in

502
00:27:24,680 --> 00:27:23,130
sydney for the sydney mardi gras and you

503
00:27:27,410 --> 00:27:24,690
did one last year i believe tell us

504
00:27:30,740 --> 00:27:27,420
about that i am yes we've actually done

505
00:27:32,540 --> 00:27:30,750
five Mardi Gras floats it's the sydney

506
00:27:33,760 --> 00:27:32,550
queer atheists we came out of sydney

507
00:27:37,040 --> 00:27:33,770
atheists but now we're our own

508
00:27:39,770 --> 00:27:37,050
organization anybody is still welcome to

509
00:27:43,220 --> 00:27:39,780
come in our float but it's a lot of fun

510
00:27:46,040 --> 00:27:43,230
last year was the Higgs boson that we

511
00:27:51,410 --> 00:27:46,050
were celebrating so we had lots of big

512
00:27:54,710 --> 00:27:51,420
lanterns or lit up with with subatomic

513
00:27:56,330 --> 00:27:54,720

particle symbols written on them and it

514

00:28:00,950 --> 00:27:56,340

is great do you think the passing crowd

515

00:28:03,590 --> 00:28:00,960

got it some I'd say but they still

516

00:28:05,810 --> 00:28:03,600

responded very well weather weather many

517

00:28:08,090 --> 00:28:05,820

people understood the actual point or

518

00:28:10,400 --> 00:28:08,100

not and we could get our name it out

519

00:28:12,530 --> 00:28:10,410

there we always get a lot of people from

520

00:28:14,540 --> 00:28:12,540

inside the parade coming up to us and

521

00:28:16,820 --> 00:28:14,550

saying how wonderful it is to have the

522

00:28:18,050 --> 00:28:16,830

atheists there I've got a theme for this

523

00:28:20,870 --> 00:28:18,060

this prayer which is coming up in

524

00:28:23,410 --> 00:28:20,880

February late very much as MIT is not

525

00:28:26,330 --> 00:28:23,420

yet we're trying to figure that out

526

00:28:29,539 --> 00:28:26,340

we've done flying free from religion and

527

00:28:34,070 --> 00:28:29,549

we've done coming out as atheist when

528

00:28:37,039 --> 00:28:34,080

we've done the bus campaign when when we

529

00:28:38,419 --> 00:28:37,049

weren't allowed to when the bus

530

00:28:40,700 --> 00:28:38,429

companies in the Billboard companies

531

00:28:43,840 --> 00:28:40,710

were not letting us advertise like

532

00:28:46,789 --> 00:28:43,850

what's happening around the world so we

533

00:28:49,039 --> 00:28:46,799

we made our own buses out of fridge

534

00:28:50,989 --> 00:28:49,049

boxes and wore them down the street for

535

00:28:52,369 --> 00:28:50,999

Mardi Gras instead and where can we find

536

00:28:53,779 --> 00:28:52,379

you online to find out more about

537

00:28:55,460 --> 00:28:53,789

getting involved with your Mardi Gras

538

00:28:57,409 --> 00:28:55,470

parade I mean now's your chance look

539

00:28:58,879 --> 00:28:57,419

it's there's a lot of lead up to it if

540

00:29:00,320 --> 00:28:58,889

you're somewhere in Australia around the

541

00:29:02,479 --> 00:29:00,330

world you want a theist it wants to be a

542

00:29:03,830 --> 00:29:02,489

part of these in the atheists at the

543

00:29:05,149 --> 00:29:03,840

Mardi Gras parade would be a great thing

544

00:29:06,739 --> 00:29:05,159

to come in if you're visiting from

545

00:29:07,940 --> 00:29:06,749

overseas it'll be a great way to see the

546

00:29:11,029 --> 00:29:07,950

city wouldn't if you here at that time

547

00:29:14,659 --> 00:29:11,039

absolutely where are you online queer

548

00:29:15,979 --> 00:29:14,669

atheists org battle find everything

549

00:29:17,330 --> 00:29:15,989

there right thanks a lot and have a

550

00:29:18,919 --> 00:29:17,340

great day to skip to captain what's your

551
00:29:20,779 --> 00:29:18,929
vote for the cupcake camp by the way

552
00:29:23,149 --> 00:29:20,789
I've got to vote for that one no I

553
00:29:26,149 --> 00:29:23,159
haven't decided the the blue Cookie

554
00:29:27,950 --> 00:29:26,159
Monster ones just looked amazing but a

555
00:29:30,649 --> 00:29:27,960
little terrifying to eat so I don't know

556
00:29:32,599 --> 00:29:30,659
if I can vote on the taste really from

557
00:29:34,190 --> 00:29:32,609
just the look okay so you're thinking

558
00:29:35,419 --> 00:29:34,200
that there's a miniature cookie monster

559
00:29:38,659 --> 00:29:35,429
in your stomach that could cause some

560
00:29:43,940 --> 00:29:38,669
sort of evil no I think that much food

561
00:29:45,229 --> 00:29:43,950
coloring will turn me blue we here at

562
00:29:46,970 --> 00:29:45,239
skip de Kamp it's getting towards the

563
00:29:48,289 --> 00:29:46,980

end of the day with the cupcake moon has

564

00:29:50,810 --> 00:29:48,299

been announced and of course it's time

565

00:29:52,519 --> 00:29:50,820

to cross to our aviation correspondent

566

00:29:54,349 --> 00:29:52,529

for the skeptic zone Robin Hillier how

567

00:29:55,639 --> 00:29:54,359

are you very well thanks Maynard oh my

568

00:29:58,159 --> 00:29:55,649

last discussion with you on the skipped

569

00:30:00,229 --> 00:29:58,169

exam was heard by mar loca city a worker

570

00:30:02,090 --> 00:30:00,239

at NASA who worked on the mercury and

571

00:30:03,680 --> 00:30:02,100

Gemini and Apollo programs and he

572

00:30:05,869 --> 00:30:03,690

contacted me we had a great chat about

573

00:30:08,180 --> 00:30:05,879

aviation so I'd like to thank you for

574

00:30:09,979 --> 00:30:08,190

inspiring he actually worked on the tail

575

00:30:12,560 --> 00:30:09,989

of the Harrier Jump Jet i believe it's

576

00:30:14,210 --> 00:30:12,570

called the Cassetti tail that's very

577

00:30:16,580 --> 00:30:14,220

exciting I mean that was I mean that was

578

00:30:18,590 --> 00:30:16,590

done by a halt so that was actually a

579

00:30:20,629 --> 00:30:18,600

British other maybe work on the AV eight

580

00:30:22,159 --> 00:30:20,639

they were doing some wind tunnel testing

581

00:30:23,419 --> 00:30:22,169

at NASA which is the place to do it at

582

00:30:25,369 --> 00:30:23,429

the time and that's where he became

583

00:30:27,049 --> 00:30:25,379

involved right okay that's very that's

584

00:30:28,310 --> 00:30:27,059

very cool yeah obviously very cool

585

00:30:29,479 --> 00:30:28,320

indeed I mean and it's a bit

586

00:30:30,889 --> 00:30:29,489

embarrassing cuz neither I was when we

587

00:30:33,409 --> 00:30:30,899

were mentioning our favorite planes at

588

00:30:35,090 --> 00:30:33,419

last year's a skeptic and neither of us

589

00:30:36,259 --> 00:30:35,100

mentioned the the Harrier Jump Jet we

590

00:30:37,820 --> 00:30:36,269

probably should which is pretty special

591

00:30:39,889 --> 00:30:37,830

since then I have read a very

592

00:30:41,659 --> 00:30:39,899

interesting autobiography called not

593

00:30:42,440 --> 00:30:41,669

much of an engineer by sir Stanley

594

00:30:44,090 --> 00:30:42,450

hooker

595

00:30:45,920 --> 00:30:44,100

was the guy who first worked at the mill

596

00:30:48,080 --> 00:30:45,930

and superchargers which is what the big

597

00:30:50,510 --> 00:30:48,090

leap in Spitfire performance and was

598

00:30:52,010 --> 00:30:50,520

from the was due to the the he's

599

00:30:53,540 --> 00:30:52,020

basically the first they had basically

600

00:30:56,300 --> 00:30:53,550

been winging it rolls-royce had been

601
00:30:57,830 --> 00:30:56,310
winging it with you know testing testing

602
00:30:59,660 --> 00:30:57,840
the results of the supersizers for the

603
00:31:01,400 --> 00:30:59,670
for the races in the Schneider trophy

604
00:31:02,960 --> 00:31:01,410
and not nothing much changed until he

605
00:31:05,060 --> 00:31:02,970
came on and he was a mathematician who

606
00:31:07,190 --> 00:31:05,070
was into fluid mechanics and all this

607
00:31:08,450 --> 00:31:07,200
sort of stuff and he just hidden it was

608
00:31:09,620 --> 00:31:08,460
it's a fantastic story when he just

609
00:31:11,060 --> 00:31:09,630
suddenly realizes that the people here

610
00:31:12,440 --> 00:31:11,070
are working on the supercharger which is

611
00:31:14,360 --> 00:31:12,450
something that he was a sort of world

612
00:31:15,890 --> 00:31:14,370
exports bird in and he went did some

613
00:31:17,480 --> 00:31:15,900

sums and came back a few weeks later and

614

00:31:19,550 --> 00:31:17,490

they they all of a sudden they moved

615

00:31:21,770 --> 00:31:19,560

from an art into a science because when

616

00:31:23,480 --> 00:31:21,780

they went to test the next supercharger

617

00:31:24,800 --> 00:31:23,490

set up for the Merlin it was perfect it

618

00:31:26,060 --> 00:31:24,810

came out to within a few you know one or

619

00:31:27,710 --> 00:31:26,070

two percent of what he predicted

620

00:31:29,420 --> 00:31:27,720

mathematically and it was where with the

621

00:31:31,430 --> 00:31:29,430

Mustang their great American aircraft be

622

00:31:32,750 --> 00:31:31,440

without the British Merlin engine it

623

00:31:35,420 --> 00:31:32,760

would have been flying with an allison

624

00:31:37,550 --> 00:31:35,430

injured at much lower level mmm and look

625

00:31:39,680 --> 00:31:37,560

what skeptically has tricked you in

626

00:31:41,590 --> 00:31:39,690

aviation lately is it it had been any

627

00:31:43,730 --> 00:31:41,600

incident as if in the black box

628

00:31:45,890 --> 00:31:43,740

incidents that are worth mentioning

629

00:31:47,840 --> 00:31:45,900

that's because I must remind you

630

00:31:50,270 --> 00:31:47,850

listening to that Roman he does read the

631

00:31:51,500 --> 00:31:50,280

black box literature I do read from that

632

00:31:53,540 --> 00:31:51,510

side although unfortunately they've just

633

00:31:55,730 --> 00:31:53,550

the crash comics released but I'm

634

00:31:57,260 --> 00:31:55,740

released in australia have have just

635

00:31:58,550 --> 00:31:57,270

gone into electronic only format which

636

00:32:00,320 --> 00:31:58,560

is very sad because it used we have to

637

00:32:02,090 --> 00:32:00,330

use of aviation safety digest and then

638

00:32:04,100 --> 00:32:02,100

aviation safety it's now no longer in

639

00:32:05,330 --> 00:32:04,110

print so i suppose it's the way of the

640

00:32:06,560 --> 00:32:05,340

world and so i get the emails but i

641

00:32:08,270 --> 00:32:06,570

don't get to read them as often any

642

00:32:11,060 --> 00:32:08,280

incidents worthy of note are the

643

00:32:13,910 --> 00:32:11,070

annoying things for me at them with my

644

00:32:16,640 --> 00:32:13,920

head in the UAV lander that UAV landing

645

00:32:19,490 --> 00:32:16,650

on the on the harbour bridge south pylon

646

00:32:21,980 --> 00:32:19,500

just before the fleet came in and also a

647

00:32:23,480 --> 00:32:21,990

few people being killed by lloyd killed

648

00:32:25,820 --> 00:32:23,490

by radio controlled helicopters and

649

00:32:27,410 --> 00:32:25,830

stuff over in the u.s. recently this is

650

00:32:29,570 --> 00:32:27,420

either helical they fell out of the sky

651
00:32:31,490 --> 00:32:29,580
onto them and these generally they

652
00:32:33,890 --> 00:32:31,500
intended to be people who are operating

653
00:32:35,330 --> 00:32:33,900
a helicopter very close to other two

654
00:32:36,950 --> 00:32:35,340
bystanders and other people and managed

655
00:32:38,810 --> 00:32:36,960
including a really horrible situation

656
00:32:40,850 --> 00:32:38,820
where baby was killed by remote control

657
00:32:42,650 --> 00:32:40,860
helicopter now i believe that that is

658
00:32:44,840 --> 00:32:42,660
illegal in this country wouldn't that be

659
00:32:47,780 --> 00:32:44,850
illegal in America as well um yeah it is

660
00:32:50,330 --> 00:32:47,790
if it's just I think what's happening at

661
00:32:51,470 --> 00:32:50,340
the moment is it's do you the copters

662
00:32:52,370 --> 00:32:51,480
and things I suppose since I've got a

663
00:32:53,720 --> 00:32:52,380

bit of an audience the moment just

664

00:32:54,390 --> 00:32:53,730

please be very sensible if you're going

665

00:32:55,710 --> 00:32:54,400

out there and buy

666

00:32:57,510 --> 00:32:55,720

I in one of these clods at the moment

667

00:32:59,340 --> 00:32:57,520

they are just think of it as are like a

668

00:33:01,500 --> 00:32:59,350

little flying lawnmower or a whipper

669

00:33:03,840 --> 00:33:01,510

snipper you know with I mean people do

670

00:33:05,220 --> 00:33:03,850

get injured by them and you have to when

671

00:33:06,690 --> 00:33:05,230

you even though they're a toy you have

672

00:33:08,460 --> 00:33:06,700

to start thinking of them the same way

673

00:33:09,630 --> 00:33:08,470

pilots think about operating real planes

674

00:33:11,430 --> 00:33:09,640

you there is a potential to actually

675

00:33:13,170 --> 00:33:11,440

really hurt or killed in a good sign

676

00:33:14,820 --> 00:33:13,180

because people put camera mounts on them

677

00:33:15,870 --> 00:33:14,830

and fly them over surfing beaches and

678

00:33:17,880 --> 00:33:15,880

things like that which is reasonably

679

00:33:19,530 --> 00:33:17,890

okay but once you is it is over any

680

00:33:21,240 --> 00:33:19,540

people or over a certain crowd you

681

00:33:22,650 --> 00:33:21,250

aren't allowed the fighting over oh well

682

00:33:24,930 --> 00:33:22,660

there's actually rules I should actually

683

00:33:27,540 --> 00:33:24,940

know these the model I think it's within

684

00:33:28,920 --> 00:33:27,550

something like 30 model aircraft they

685

00:33:31,770 --> 00:33:28,930

have standards these aren't actually

686

00:33:33,810 --> 00:33:31,780

casa rules these are what the australian

687

00:33:35,880 --> 00:33:33,820

model aircraft association forgotten the

688

00:33:39,620 --> 00:33:35,890

exact acronym that's what their general

689

00:33:42,270 --> 00:33:39,630

was about 30 30 meters from a crowd and

690

00:33:43,590 --> 00:33:42,280

nine meters there's another 9 meter rule

691

00:33:45,030 --> 00:33:43,600

i think for hovering for hovering

692

00:33:46,560 --> 00:33:45,040

helicopters especially just to give

693

00:33:49,110 --> 00:33:46,570

everybody a chance to run if something

694

00:33:50,910 --> 00:33:49,120

goes seriously wrong and you know and

695

00:33:52,440 --> 00:33:50,920

you do have these quite powerful i mean

696

00:33:53,640 --> 00:33:52,450

some people you know electric engines

697

00:33:55,620 --> 00:33:53,650

all that's not for example but they are

698

00:33:56,910 --> 00:33:55,630

very powerful engines look if some of

699

00:33:58,680 --> 00:33:56,920

them have a digital single-lens reflex

700

00:34:00,000 --> 00:33:58,690

camera on them if you had that even a

701
00:34:01,170 --> 00:34:00,010
plastic one dropped from a height of 9

702
00:34:03,000 --> 00:34:01,180
meters it's going to hit you on the

703
00:34:04,740 --> 00:34:03,010
scone pretty hard yeah yeah there is

704
00:34:06,090 --> 00:34:04,750
that thing but I think the main sort of

705
00:34:08,070 --> 00:34:06,100
dammit damaged people getting has been

706
00:34:09,899 --> 00:34:08,080
actual damage from rotors and props okay

707
00:34:12,510 --> 00:34:09,909
so stay away from small plastic props

708
00:34:14,130 --> 00:34:12,520
just be sensible when the toys are

709
00:34:16,440 --> 00:34:14,140
powered by very powerful electric motors

710
00:34:20,190 --> 00:34:16,450
and then what's been your takeaway

711
00:34:23,070 --> 00:34:20,200
message from skip de camp 2013 I'm just

712
00:34:24,360 --> 00:34:23,080
incredibly proud of Allison Gaylord and

713
00:34:27,389 --> 00:34:24,370

the work that they've been doing up at

714

00:34:29,550 --> 00:34:27,399

the northern rivers with the the pro

715

00:34:31,530 --> 00:34:29,560

vaccination work they're doing up there

716

00:34:32,820 --> 00:34:31,540

she's a fantastically good person and

717

00:34:36,570 --> 00:34:32,830

brain this has made me think about

718

00:34:38,460 --> 00:34:36,580

getting a pertussis vaccine from a shot

719

00:34:40,770 --> 00:34:38,470

for myself and and I'm just wondering

720

00:34:42,149 --> 00:34:40,780

someone my age not always having contact

721

00:34:45,149 --> 00:34:42,159

with children is something I should get

722

00:34:47,790 --> 00:34:45,159

my understanding is yes I have to admit

723

00:34:49,080 --> 00:34:47,800

that I haven't myself and I you have

724

00:34:51,450 --> 00:34:49,090

reminded me that I should be thinking

725

00:34:52,830 --> 00:34:51,460

about doing that as well yeah yeah look

726

00:34:54,840 --> 00:34:52,840

maybe next year someone could come along

727

00:34:55,800 --> 00:34:54,850

and shoot up a couple of us yeah that we

728

00:34:57,240 --> 00:34:55,810

could do we could all shouldn't be out

729

00:34:58,860 --> 00:34:57,250

here and just sitting in the corridor

730

00:35:01,589 --> 00:34:58,870

you know leaning against the wall and

731

00:35:04,450 --> 00:35:01,599

groaning holding our own oh

732

00:35:06,599 --> 00:35:04,460

it's not saturday night yet bro I just I

733

00:35:09,069 --> 00:35:06,609

just gave me an image is rather amusing

734

00:35:11,109 --> 00:35:09,079

we'll see you next year cheese made up

735

00:35:23,650 --> 00:35:11,119

that's how avian chorus hey la vie in

736

00:35:23,660 --> 00:35:27,730

jin shan so

737

00:35:33,170 --> 00:35:30,170

but guess yours is an award-winning

738

00:35:36,050 --> 00:35:33,180

weekly science show in French hosted by

739

00:35:38,329 --> 00:35:36,060

a bunch of crazy enthusiasts we are

740

00:35:40,670 --> 00:35:38,339

convinced that the greatest ideas in

741

00:35:42,920 --> 00:35:40,680

science are quite easy to grasp as long

742

00:35:45,470 --> 00:35:42,930

as they are presented with passion using

743

00:35:47,720 --> 00:35:45,480

a vocabulary common to all curious minds

744

00:35:50,450 --> 00:35:47,730

whatever their academic background if

745

00:35:53,450 --> 00:35:50,460

any you don't understand French yet I

746

00:35:55,339 --> 00:35:53,460

it's never too late all our stories have

747

00:35:57,140 --> 00:35:55,349

a written transcript on the website and

748

00:35:59,240 --> 00:35:57,150

people from all around the world are

749

00:36:02,329 --> 00:35:59,250

using our content to learn Maria's

750

00:36:04,790 --> 00:36:02,339

language our topics range from 0 to

751
00:36:07,130 --> 00:36:04,800
infinity from evolution to artificial

752
00:36:09,770 --> 00:36:07,140
life from electromagnetism to the

753
00:36:12,980 --> 00:36:09,780
science of introverts we just love

754
00:36:15,770 --> 00:36:12,990
mathematics science critical thinking so

755
00:36:17,480 --> 00:36:15,780
do you want to join you can subscribe to

756
00:36:20,150 --> 00:36:17,490
the podcast for free from our website

757
00:36:22,819 --> 00:36:20,160
podcast science stocks FM that's in one

758
00:36:25,220 --> 00:36:22,829
word you also find us on itunes and

759
00:36:27,200 --> 00:36:25,230
soundcloud see you soon hopefully a

760
00:36:28,730 --> 00:36:27,210
delivers a career at the others or

761
00:36:32,039 --> 00:36:28,740
pedestrians

762
00:36:32,049 --> 00:36:47,740
nah

763
00:36:54,280 --> 00:36:49,810

thank you for listening to the skeptic

764

00:36:59,020 --> 00:36:54,290

zone well I wonder the endless pathways

765

00:37:01,750 --> 00:36:59,030

of mind body spirit mind body wallet

766

00:37:05,080 --> 00:37:01,760

hello free pasta check why don't we know

767

00:37:08,440 --> 00:37:05,090

what that is and thank you again to

768

00:37:11,080 --> 00:37:08,450

those people who chip in and contribute

769

00:37:13,630 --> 00:37:11,090

in fact we've paid now for maynards

770

00:37:15,970 --> 00:37:13,640

hotel room and his breakfast how good is

771

00:37:19,060 --> 00:37:15,980

that some very generous donations came

772

00:37:21,730 --> 00:37:19,070

in and also if you check out skipping

773

00:37:23,440 --> 00:37:21,740

zone TV you'll see up for bid to help

774

00:37:25,030 --> 00:37:23,450

the skipping zone is a poster signed by

775

00:37:28,200 --> 00:37:25,040

all sorts of famous skeptics including

776

00:37:32,470 --> 00:37:28,210

james randi DJ Grothe michael shermer

777

00:37:37,840 --> 00:37:32,480

Eugenie Scott myself Maynard lots of

778

00:37:43,420 --> 00:37:39,430

something you might want for your

779

00:37:45,880 --> 00:37:43,430

collection I want to follow if I make it

780

00:37:47,650 --> 00:37:45,890

out of here but for this week this is

781

00:37:49,930 --> 00:37:47,660

Richard saunas signing off from the mind

782

00:37:57,280 --> 00:37:49,940

buddy wallet festival at darling harbour

783

00:38:01,470 --> 00:37:57,290

Sydney Australia you've been listening

784

00:38:06,160 --> 00:38:01,480

to the skeptic zone visit our website at