

**The Skeptic Zone
Show 320 - 7 Dec 2014**



James Randi

1
00:00:05,329 --> 00:00:01,850
the skeptic zone is brought to you by

2
00:00:08,780 --> 00:00:05,339
dr. Bob's trivia quiz visit dr. Bob's

3
00:00:17,599 --> 00:00:08,790
quiz wordpress.com and see if you can

4
00:00:20,480 --> 00:00:17,609
match wits with dr. Bob welcome to the

5
00:00:32,710 --> 00:00:20,490
skeptic zone the podcast from Australia

6
00:00:38,000 --> 00:00:35,330
hello and welcome to the skeptic zone

7
00:00:41,270 --> 00:00:38,010
episode number 324 the seventh of

8
00:00:44,240 --> 00:00:41,280
December 2014 Richard Saunders here with

9
00:00:46,100 --> 00:00:44,250
you in Sydney Australia well it's Sunday

10
00:00:48,670 --> 00:00:46,110
it must be Sydney because monday i was

11
00:00:51,950 --> 00:00:48,680
in adelaide and choose die was in perth

12
00:00:55,369 --> 00:00:51,960
thursday i was in brisbane friday

13
00:00:58,460 --> 00:00:55,379

melbourne and then yes they back here to

14

00:01:02,270 --> 00:00:58,470

sydney all on the evening with james

15

00:01:05,140 --> 00:01:02,280

randi tour and what a wonderful event

16

00:01:08,450 --> 00:01:05,150

tour it's been so far my friends I

17

00:01:10,340 --> 00:01:08,460

hardly know where to start traveling the

18

00:01:13,670 --> 00:01:10,350

week with james randi has been quite

19

00:01:15,200 --> 00:01:13,680

something and that's an experience I'll

20

00:01:16,760 --> 00:01:15,210

never forget anyway at the beginning of

21

00:01:18,580 --> 00:01:16,770

the show to kick it off we have a little

22

00:01:21,230 --> 00:01:18,590

interview with james randi i did in

23

00:01:22,610 --> 00:01:21,240

adelaide i think it was where we had a

24

00:01:25,219 --> 00:01:22,620

quiet moment to ourselves to chat about

25

00:01:28,010 --> 00:01:25,229

magic and other things i think you'll

26

00:01:30,430 --> 00:01:28,020

enjoy that I certainly did and they'll

27

00:01:33,530 --> 00:01:30,440

be more about some of the

28

00:01:35,780 --> 00:01:33,540

behind-the-scenes goings-on of a tour

29

00:01:38,750 --> 00:01:35,790

with James Randi and the events and the

30

00:01:42,470 --> 00:01:38,760

people we've met along the way it was

31

00:01:44,240 --> 00:01:42,480

quite something after that ads may not

32

00:01:47,120 --> 00:01:44,250

may not spooky action with the one and

33

00:01:50,570 --> 00:01:47,130

only dr. Cole crucial miss key and talk

34

00:01:52,460 --> 00:01:50,580

that Maynard did interview i should say

35

00:01:56,180 --> 00:01:52,470

at the Australian Skeptics National

36

00:01:59,510 --> 00:01:56,190

convention you should see all the

37

00:02:01,100 --> 00:01:59,520

interviews may not did at the Australian

38

00:02:03,470 --> 00:02:01,110

skeptics national convention in fact you

39

00:02:05,870 --> 00:02:03,480

will hear them over the course of the

40

00:02:08,650 --> 00:02:05,880

next week's what a catalog i have folks

41

00:02:11,780 --> 00:02:08,660

he was a busy man thank you may nod

42

00:02:14,420 --> 00:02:11,790

thank you once again and then to wrap up

43

00:02:17,990 --> 00:02:14,430

the show would say the first part of a

44

00:02:19,160 --> 00:02:18,000

convention report with joe alabaster for

45

00:02:22,369 --> 00:02:19,170

those of you who weren't there or even

46

00:02:25,160 --> 00:02:22,379

if you were Joe's wrap-up of the

47

00:02:27,640 --> 00:02:25,170

convention part 1 a bit of an overview

48

00:02:29,809 --> 00:02:27,650

Oh somewhere in the in the show today

49

00:02:31,309 --> 00:02:29,819

mixed up somewhere will be a week in

50

00:02:33,530 --> 00:02:31,319

science from the Royal Institution of

51
00:02:35,600 --> 00:02:33,540
Australia and that's where we kicked off

52
00:02:37,699 --> 00:02:35,610
the tour with james randi at the Royal

53
00:02:41,239 --> 00:02:37,709
Institution of Australia I saw it at

54
00:02:43,099 --> 00:02:41,249
last had a great time there caught up

55
00:02:44,270 --> 00:02:43,109
with Paul Willis the director dr. Paul

56
00:02:44,850 --> 00:02:44,280
it's a good friend of mine which was

57
00:02:47,130 --> 00:02:44,860
fantastic

58
00:02:49,050 --> 00:02:47,140
and my friend what a wonderful place the

59
00:02:51,570 --> 00:02:49,060
Royal Institution of Australia really is

60
00:02:54,630 --> 00:02:51,580
worth a visit what a fascinating place

61
00:02:57,420 --> 00:02:54,640
full of history full of science and we

62
00:03:00,090 --> 00:02:57,430
really enjoyed our visit their most

63
00:03:02,700 --> 00:03:00,100

people in Canberra in the a.c.t can come

64

00:03:05,420 --> 00:03:02,710

and see me when I give my talk the

65

00:03:09,390 --> 00:03:05,430

making of the vaccination chronicles and

66

00:03:11,430 --> 00:03:09,400

I'm ghosts scared of skeptics that'll be

67

00:03:14,430 --> 00:03:11,440

this wednesday the tenth of december at

68

00:03:17,760 --> 00:03:14,440

the Angley football club 52-week field

69

00:03:21,590 --> 00:03:17,770

avenue canberra a CT for more

70

00:03:26,970 --> 00:03:21,600

information visit www.amara.org skeptics

71

00:03:28,770 --> 00:03:26,980

org got a you I'll see you there well my

72

00:03:30,360 --> 00:03:28,780

head's still spinning from flying all

73

00:03:32,910 --> 00:03:30,370

around the country or James Randi this

74

00:03:34,890 --> 00:03:32,920

week and as I record this we have one

75

00:03:37,440 --> 00:03:34,900

more show to do tonight in sydney which

76

00:03:40,860 --> 00:03:37,450

is a sold-out event i'm told all the

77

00:03:43,440 --> 00:03:40,870

seats have gone james randi is what a

78

00:03:45,290 --> 00:03:43,450

trooper Wow grueling schedule lots of

79

00:03:47,940 --> 00:03:45,300

cities lots of flights lots of hotels

80

00:03:50,460 --> 00:03:47,950

but James Randi was there front and

81

00:03:53,910 --> 00:03:50,470

center always ready to perform and

82

00:03:56,400 --> 00:03:53,920

always ready to meet people so well I

83

00:03:58,440 --> 00:03:56,410

run downstairs old people are thank you

84

00:04:00,840 --> 00:03:58,450

yes sorry yes yes thank you to all the

85

00:04:03,660 --> 00:04:00,850

skeptics own fans you set a low to me

86

00:04:05,310 --> 00:04:03,670

all round the country on this trip yes

87

00:04:06,750 --> 00:04:05,320

Fred the cat is doing fine for those

88

00:04:09,630 --> 00:04:06,760

people who asked use just here a minute

89

00:04:11,130 --> 00:04:09,640

ago I don't know where is now and yes I

90

00:04:12,479 --> 00:04:11,140

really do run downstairs and get

91

00:04:15,180 --> 00:04:12,489

something to eat out of the fridge it's

92

00:04:18,150 --> 00:04:15,190

the stairs are right here and it was a

93

00:04:19,380 --> 00:04:18,160

real pleasure to meet so many fans and

94

00:04:21,630 --> 00:04:19,390

thank you for coming up and saying hello

95

00:04:24,480 --> 00:04:21,640

and letting me know how much you enjoy

96

00:04:27,240 --> 00:04:24,490

the skeptic zone well I guess now it's

97

00:04:31,590 --> 00:04:27,250

time for me to run downstairs open up

98

00:04:34,200 --> 00:04:31,600

the fridge and finish off the last of

99

00:04:36,870 --> 00:04:34,210

the chocolate champagne bottle that SG

100

00:04:40,140 --> 00:04:36,880

you gave me for my birthday thanks guys

101
00:05:03,999 --> 00:04:40,150
well I'm doing that I hope you enjoy the

102
00:05:10,610 --> 00:05:06,939
what are we doing here Richard we're uh

103
00:05:12,559 --> 00:05:10,620
Brandi I wish I knew it we we found

104
00:05:15,260 --> 00:05:12,569
ourselves now in the city of Adelaide

105
00:05:17,839 --> 00:05:15,270
this is the the first city on the big

106
00:05:19,520 --> 00:05:17,849
toward the evening with james randi to

107
00:05:21,679 --> 00:05:19,530
her it's a wonderful city and last night

108
00:05:25,519 --> 00:05:21,689
this I think the tour got off to a good

109
00:05:28,040 --> 00:05:25,529
start oh yes no I I think we did okay we

110
00:05:30,320 --> 00:05:28,050
amateurs yes hey you're not a customer

111
00:05:33,230 --> 00:05:30,330
public speak not at all no no no and I

112
00:05:34,670 --> 00:05:33,240
have never done you not to oh no no I

113
00:05:37,339 --> 00:05:34,680

have you ever done in my life and

114

00:05:39,559 --> 00:05:37,349

frightened frightened of it I think we

115

00:05:42,320 --> 00:05:39,569

winged it pretty well then oh yeah we

116

00:05:44,570 --> 00:05:42,330

did and it was it was a very enjoyable

117

00:05:48,800 --> 00:05:44,580

evening of course the audience saw the

118

00:05:51,409 --> 00:05:48,810

documentary the honest life followed by

119

00:05:52,969 --> 00:05:51,419

a brief break and then you and I

120

00:05:54,740 --> 00:05:52,979

chatting on stage for an hour which was

121

00:05:57,469 --> 00:05:54,750

most enjoyable yeah are you sure because

122

00:05:59,180 --> 00:05:57,479

some people i think they died in the

123

00:06:01,249 --> 00:05:59,190

audience and that's why they were moving

124

00:06:04,249 --> 00:06:01,259

much when the other people moved out

125

00:06:06,519 --> 00:06:04,259

yeah but no I I think we did very well

126

00:06:10,040 --> 00:06:06,529

seriously I Richard we did very well and

127

00:06:16,070 --> 00:06:10,050

it it it may be a beautiful friendship

128

00:06:18,079 --> 00:06:16,080

from now on that's right well I first

129

00:06:19,760 --> 00:06:18,089

met you in the year 2000 you were out

130

00:06:22,279 --> 00:06:19,770

here for a big skeptical convention oh

131

00:06:25,670 --> 00:06:22,289

yeah but your personal reputation

132

00:06:28,999 --> 00:06:25,680

preceded you of course but we I remember

133

00:06:31,010 --> 00:06:29,009

that quite fondly because you were very

134

00:06:34,040 --> 00:06:31,020

proudly showing me your latest digital

135

00:06:36,350 --> 00:06:34,050

camera and I was very proudly showing

136

00:06:38,329 --> 00:06:36,360

you my latest movie digital camera which

137

00:06:40,309 --> 00:06:38,339

was big at the time yes you were always

138

00:06:42,740 --> 00:06:40,319

trying to up me why am I still

139

00:06:48,320 --> 00:06:42,750

everything yeah yes actually not too

140

00:06:51,170 --> 00:06:48,330

successful now and and but I what one of

141

00:06:53,809 --> 00:06:51,180

my one of my fondest memories of that

142

00:06:55,820 --> 00:06:53,819

time was that it was the first time I

143

00:06:59,060 --> 00:06:55,830

saw the card trick known as out of this

144

00:07:03,170 --> 00:06:59,070

world oh yes and you perform that on the

145

00:07:05,120 --> 00:07:03,180

the boat cruise we had and I honestly

146

00:07:07,580 --> 00:07:05,130

thought that could not happen what I

147

00:07:09,470 --> 00:07:07,590

just saw before my eyes and I

148

00:07:11,690 --> 00:07:09,480

subsequently learned the trick but the

149

00:07:14,570 --> 00:07:11,700

first time you see that particular trick

150

00:07:16,760 --> 00:07:14,580

you cannot fathom how that's possible oh

151
00:07:18,350 --> 00:07:16,770
yeah no out of this world was said what

152
00:07:21,530 --> 00:07:18,360
was his name her and that I can't think

153
00:07:24,140 --> 00:07:21,540
of human man's name I never met him but

154
00:07:26,660 --> 00:07:24,150
it was something in the 1930s or so he

155
00:07:28,460 --> 00:07:26,670
invented and he's in the magic

156
00:07:32,890 --> 00:07:28,470
profession the conjuring profession

157
00:07:35,060 --> 00:07:32,900
burdening he's widely known for that and

158
00:07:37,460 --> 00:07:35,070
there are booked three or four different

159
00:07:39,470 --> 00:07:37,470
versions of it yes but the one that is

160
00:07:41,390 --> 00:07:39,480
that we both do I think is the better

161
00:07:45,050 --> 00:07:41,400
one oh it's it's it's one of those

162
00:07:47,480 --> 00:07:45,060
tricks which it's one of those tricks

163
00:07:50,360 --> 00:07:47,490

which has the particular punch in it

164

00:07:53,090 --> 00:07:50,370

where the participant is the person

165

00:07:55,010 --> 00:07:53,100

who's doing the trick yes entirely yeah

166

00:07:56,660 --> 00:07:55,020

this is entirely in your control you

167

00:07:59,420 --> 00:07:56,670

don't have exactly the way you wanted

168

00:08:01,850 --> 00:07:59,430

yes I didn't interfere no no no and when

169

00:08:05,180 --> 00:08:01,860

they turn the Kurds over there ya just

170

00:08:06,680 --> 00:08:05,190

florissant well the floors them and the

171

00:08:08,540 --> 00:08:06,690

first time I sort and I'm sure it's the

172

00:08:10,450 --> 00:08:08,550

best the first time that the audience II

173

00:08:13,310 --> 00:08:10,460

I was floored I was absolutely

174

00:08:16,220 --> 00:08:13,320

gobsmacked and you're not easily for not

175

00:08:20,180 --> 00:08:16,230

easily I'm not easily in that occasion I

176
00:08:21,620 --> 00:08:20,190
was and it gets back to what we indeed

177
00:08:25,820 --> 00:08:21,630
what we chatted about last night on

178
00:08:27,890 --> 00:08:25,830
stage is your love of conjuring and the

179
00:08:30,230 --> 00:08:27,900
adventures you've had with that setting

180
00:08:32,060 --> 00:08:30,240
aside you're skeptical and critical

181
00:08:35,469 --> 00:08:32,070
thinking outraged as we get back to the

182
00:08:38,240 --> 00:08:35,479
fact that you were for many years the

183
00:08:41,480 --> 00:08:38,250
Performing Kandra and escape artist oh

184
00:08:44,150 --> 00:08:41,490
yes I made a living at it have barely

185
00:08:45,710 --> 00:08:44,160
eat to living at it yeah i actually did

186
00:08:48,590 --> 00:08:45,720
rather well travel all over the world

187
00:08:50,570 --> 00:08:48,600
and the profession was very good to me

188
00:08:53,900 --> 00:08:50,580

and my audiences were very good to me

189

00:08:56,980 --> 00:08:53,910

and what I'm currently involved in the

190

00:09:00,050 --> 00:08:56,990

whole skeptical picture of course that a

191

00:09:04,970 --> 00:09:00,060

professional skeptical picture i must

192

00:09:08,000 --> 00:09:04,980

say if my way of paying back my audience

193

00:09:09,660 --> 00:09:08,010

is that for the applause that they gave

194

00:09:11,850 --> 00:09:09,670

me and support that they gave

195

00:09:14,910 --> 00:09:11,860

and the the income that they gave you

196

00:09:19,140 --> 00:09:14,920

over the years it oh yes they supported

197

00:09:22,500 --> 00:09:19,150

me and this is I feel a way of giving it

198

00:09:23,940 --> 00:09:22,510

back mmm absolutely and it's one of the

199

00:09:25,830 --> 00:09:23,950

great pleasures I'm sure that you

200

00:09:27,690 --> 00:09:25,840

discover when you travel around the

201
00:09:30,480 --> 00:09:27,700
world as other magicians will come and

202
00:09:32,850 --> 00:09:30,490
say hello oh yes I get setting aside of

203
00:09:34,920 --> 00:09:32,860
inept yes yeah coming to you but just

204
00:09:36,930 --> 00:09:34,930
getting back to your pure love of the

205
00:09:40,140 --> 00:09:36,940
country huh last night we had a young

206
00:09:42,570 --> 00:09:40,150
magician yes yes they did and he bought

207
00:09:45,360 --> 00:09:42,580
one of the the james randi dicks oh yes

208
00:09:48,570 --> 00:09:45,370
and was shuttling them one hand too much

209
00:09:51,390 --> 00:09:48,580
to my amazing no he appears to be very

210
00:09:52,860 --> 00:09:51,400
clever with his hands and I I wished I'd

211
00:09:54,570 --> 00:09:52,870
had more time to spend with him cuz I

212
00:09:57,510 --> 00:09:54,580
had a couple of things little little

213
00:09:59,370 --> 00:09:57,520

twists all right I want hers really

214

00:10:02,550 --> 00:09:59,380

explain to him but he had the hustla way

215

00:10:04,170 --> 00:10:02,560

and we did as well so yeah yeah so when

216

00:10:07,140 --> 00:10:04,180

you were a young magician starting out

217

00:10:08,910 --> 00:10:07,150

what was the the basis of your you're

218

00:10:10,200 --> 00:10:08,920

gaining your knowledge was mostly books

219

00:10:13,050 --> 00:10:10,210

was that other magicians do you have

220

00:10:16,560 --> 00:10:13,060

mentors well I got to meet Harry

221

00:10:18,720 --> 00:10:16,570

Blackstone Oh Harry Blackstone senior

222

00:10:20,910 --> 00:10:18,730

I'm speaking out now was the reigning

223

00:10:24,240 --> 00:10:20,920

magician of the day and through a

224

00:10:26,100 --> 00:10:24,250

fortuitous circumstance I got to meet

225

00:10:28,830 --> 00:10:26,110

him and he weather inspired me because

226

00:10:31,320 --> 00:10:28,840

he was a lovely fatherly sort of figure

227

00:10:35,100 --> 00:10:31,330

and he sort of took me under his wing

228

00:10:38,700 --> 00:10:35,110

only 40 about two hours on an afternoon

229

00:10:40,590 --> 00:10:38,710

yeah and I've made all the difference in

230

00:10:42,270 --> 00:10:40,600

my life yeah I wanted to be an

231

00:10:43,940 --> 00:10:42,280

archaeologist and I want to be a

232

00:10:46,410 --> 00:10:43,950

catalyst and a few things like that

233

00:10:50,280 --> 00:10:46,420

archaeology had really attracted me

234

00:10:53,280 --> 00:10:50,290

still does but after reading Harry black

235

00:10:55,260 --> 00:10:53,290

so and being so charmed by him I figured

236

00:10:58,370 --> 00:10:55,270

well maybe maybe I could do something in

237

00:11:01,500 --> 00:10:58,380

this line to it and apparently I was

238

00:11:04,470 --> 00:11:01,510

well enough suited for it apparently so

239

00:11:07,710 --> 00:11:04,480

and what what what was it I you tell the

240

00:11:10,980 --> 00:11:07,720

story of seeing the magical act for the

241

00:11:12,690 --> 00:11:10,990

first time in just think oh yes now and

242

00:11:14,730 --> 00:11:12,700

you felt that that's something that you

243

00:11:17,610 --> 00:11:14,740

wanted to talk to other people this

244

00:11:19,720 --> 00:11:17,620

astonishment yeah i know i was quite

245

00:11:22,240 --> 00:11:19,730

overcome he stood back from

246

00:11:24,430 --> 00:11:22,250

lady on a coach and I was in the in the

247

00:11:26,860 --> 00:11:24,440

first balcony oh yeah I had a beautiful

248

00:11:30,689 --> 00:11:26,870

view of it it costs me 12 senses well

249

00:11:35,620 --> 00:11:30,699

yes I mean expensive outweighs here

250

00:11:39,090 --> 00:11:35,630

Canadian said Canadian Santa and oh my

251
00:11:44,769 --> 00:11:39,100
goodness I I just leaned on that balcony

252
00:11:46,810 --> 00:11:44,779
railing there and he said Prince he had

253
00:11:50,620 --> 00:11:46,820
a speech impediment so much oh yeah I'll

254
00:11:53,650 --> 00:11:50,630
try to do it he said Princess ASRA rise

255
00:11:59,290 --> 00:11:53,660
from the bed I'm but you were just

256
00:12:02,680 --> 00:11:59,300
placed a moment ago rise and she was in

257
00:12:04,990 --> 00:12:02,690
the air well if that doesn't spook you

258
00:12:08,079 --> 00:12:05,000
out yeah and the audience was totally

259
00:12:09,910 --> 00:12:08,089
silent from yeah the wall yeah they

260
00:12:12,610 --> 00:12:09,920
always were with Harry Blackstone he

261
00:12:15,040 --> 00:12:12,620
cast a spell so to speak hmm and then he

262
00:12:18,850 --> 00:12:15,050
said descend once more to the bedroom

263
00:12:21,790 --> 00:12:18,860

which arose a moment ago oh it was it

264

00:12:24,519 --> 00:12:21,800

was so wonderful it was magical that's

265

00:12:26,379 --> 00:12:24,529

the only way I can describe it and when

266

00:12:29,009 --> 00:12:26,389

I learned later learned the secret of

267

00:12:33,040 --> 00:12:29,019

that particular levitation for example I

268

00:12:34,990 --> 00:12:33,050

realized what it had taken to do it he

269

00:12:37,500 --> 00:12:35,000

just walked around and waved his hands

270

00:12:40,240 --> 00:12:37,510

about and intoned these mysterious words

271

00:12:43,269 --> 00:12:40,250

but they were so well choreographed yeah

272

00:12:47,110 --> 00:12:43,279

the moves and the words and such that

273

00:12:49,930 --> 00:12:47,120

your admiration had to go out to the

274

00:12:52,540 --> 00:12:49,940

ground like that how did he ever develop

275

00:12:56,100 --> 00:12:52,550

that obviously it was his act and his

276

00:12:59,259 --> 00:12:56,110

delivery of it and the charm that he

277

00:13:02,379 --> 00:12:59,269

exuded from the stage is a wonderful

278

00:13:03,819 --> 00:13:02,389

wonderful magician man is this and I can

279

00:13:07,150 --> 00:13:03,829

tell by the passion which you're

280

00:13:11,590 --> 00:13:07,160

speaking about this I guess it's partly

281

00:13:14,319 --> 00:13:11,600

the reason why you are so irked if I can

282

00:13:18,910 --> 00:13:14,329

use that expression tears when people

283

00:13:21,220 --> 00:13:18,920

use this wonderful wonderful talent of

284

00:13:25,059 --> 00:13:21,230

conjuring and the wonderful mind games

285

00:13:26,590 --> 00:13:25,069

uh for the wrong purposes to swindle

286

00:13:29,590 --> 00:13:26,600

people this would not be a missing

287

00:13:32,050 --> 00:13:29,600

foreign to them yes because the

288

00:13:33,160 --> 00:13:32,060

evangelists do that they are crippled

289

00:13:35,769 --> 00:13:33,170

people you

290

00:13:38,319 --> 00:13:35,779

emotionally and financially in so many

291

00:13:40,360 --> 00:13:38,329

ways they just reduce them to dust and

292

00:13:42,519 --> 00:13:40,370

they sweep that dust away or let the

293

00:13:44,160 --> 00:13:42,529

wind Taylor I don't care no they don't

294

00:13:45,940 --> 00:13:44,170

care they think they have found what a

295

00:13:48,670 --> 00:13:45,950

wonderful that from their point of view

296

00:13:51,490 --> 00:13:48,680

way to take advantage of people which

297

00:13:54,180 --> 00:13:51,500

encroaches upon a noble art oh yes

298

00:13:56,410 --> 00:13:54,190

absolutely well it's not so much the

299

00:13:59,350 --> 00:13:56,420

shame that it might bring to the

300

00:14:01,720 --> 00:13:59,360

conjuring creator talk in my estimation

301
00:14:03,460 --> 00:14:01,730
because people who view it don't look

302
00:14:05,350 --> 00:14:03,470
upon it as conjuring they don't think

303
00:14:07,449 --> 00:14:05,360
that there's a conjuring trick they just

304
00:14:09,160 --> 00:14:07,459
don't know and of course they don't know

305
00:14:12,250 --> 00:14:09,170
they they don't have the expertise to

306
00:14:14,829 --> 00:14:12,260
know but to cruelly treat people like

307
00:14:17,800 --> 00:14:14,839
that to drain them of their finances and

308
00:14:20,139 --> 00:14:17,810
of their emotional security that's not

309
00:14:22,389 --> 00:14:20,149
right Richard it's just not right to do

310
00:14:24,900 --> 00:14:22,399
that sort of thing particularly to

311
00:14:26,889 --> 00:14:24,910
elderly people or people or

312
00:14:29,769 --> 00:14:26,899
malfunctioning in some way there may be

313
00:14:33,030 --> 00:14:29,779

ill hmm easy targets oh yes easy targets

314

00:14:36,460 --> 00:14:33,040

yeah vulnerable and so vulnerable that

315

00:14:39,490 --> 00:14:36,470

you want to go and shake them to wake up

316

00:14:42,850 --> 00:14:39,500

wake up what you've just seen is a fraud

317

00:14:44,560 --> 00:14:42,860

yes but you can't reach each individual

318

00:14:46,240 --> 00:14:44,570

person you've just got to write the

319

00:14:48,189 --> 00:14:46,250

books and you gotta break the speeches

320

00:14:50,860 --> 00:14:48,199

the lectures whatnot add the TV

321

00:14:54,150 --> 00:14:50,870

appearances to convince people or just

322

00:14:58,120 --> 00:14:54,160

get them thinking get them thinking and

323

00:15:00,370 --> 00:14:58,130

to start that thinking process that that

324

00:15:03,819 --> 00:15:00,380

discrimination that critical thinking

325

00:15:05,920 --> 00:15:03,829

process in people that's what you should

326

00:15:07,329 --> 00:15:05,930

be doing I think so yes I think that's

327

00:15:08,620 --> 00:15:07,339

what you do that's what I've been

328

00:15:10,300 --> 00:15:08,630

absolutely one of the reasons you're

329

00:15:12,970 --> 00:15:10,310

here in Australia that's right and damn

330

00:15:14,380 --> 00:15:12,980

to meet friends and fans and have a good

331

00:15:16,059 --> 00:15:14,390

time of course and we're having a

332

00:15:19,240 --> 00:15:16,069

delightful time so far but to get this

333

00:15:21,730 --> 00:15:19,250

message out which you have done there

334

00:15:25,809 --> 00:15:21,740

are many many years now maybe are many

335

00:15:28,180 --> 00:15:25,819

many movies me say the least just to say

336

00:15:31,059 --> 00:15:28,190

the least well Randy we've only just

337

00:15:33,460 --> 00:15:31,069

started we have a person of just a few

338

00:15:35,650 --> 00:15:33,470

days and then we have Brisbane and we

339

00:15:38,350 --> 00:15:35,660

have Melbourne and we have Sydney and

340

00:15:39,519 --> 00:15:38,360

then I think you're going home yeah at

341

00:15:42,530 --> 00:15:39,529

least all right

342

00:15:45,919 --> 00:15:42,540

some stage one eventually yes and you

343

00:15:48,619 --> 00:15:45,929

know when i think of it i was just in

344

00:15:51,889 --> 00:15:48,629

this very hotel bed here last night

345

00:15:56,650 --> 00:15:51,899

sleeping and as i drifted off to sleep i

346

00:15:59,689 --> 00:15:56,660

thought directly below me is my home yes

347

00:16:02,780 --> 00:15:59,699

it's the width of a whole plan of the

348

00:16:06,049 --> 00:16:02,790

way it's as far away as I can possibly

349

00:16:09,049 --> 00:16:06,059

get about from home yeah yeah I get I

350

00:16:11,900 --> 00:16:09,059

can pick up my cell phone yeah have

351

00:16:13,609 --> 00:16:11,910

press a button on it and I will hear a

352

00:16:15,499 --> 00:16:13,619

voice at the other end that's coming to

353

00:16:17,840 --> 00:16:15,509

me for the furthest possible point

354

00:16:21,350 --> 00:16:17,850

unless you happen to be an astronaut and

355

00:16:23,569 --> 00:16:21,360

say something in someplace and this

356

00:16:25,489 --> 00:16:23,579

remarkable magic trick that's imagine

357

00:16:27,710 --> 00:16:25,499

that's a girl yeah there's no question

358

00:16:29,389 --> 00:16:27,720

of it and you can also see them yes you

359

00:16:31,879 --> 00:16:29,399

can see yes well I don't necessarily

360

00:16:33,889 --> 00:16:31,889

want to do that that everybody would but

361

00:16:36,049 --> 00:16:33,899

it it is wonderful i can speak to the

362

00:16:40,030 --> 00:16:36,059

other side of the earth from as far away

363

00:16:44,299 --> 00:16:40,040

as I could possibly reach physically and

364

00:16:46,609 --> 00:16:44,309

and it costs me so little yes it's just

365

00:16:48,679 --> 00:16:46,619

a small investment of time and and and

366

00:16:52,100 --> 00:16:48,689

of money very small investment it's it's

367

00:16:55,249 --> 00:16:52,110

it's it's quite something and at 86 you

368

00:16:58,069 --> 00:16:55,259

have seen dramatic changes oh yeah no i

369

00:16:59,960 --> 00:16:58,079

I've often said that I'm very fortunate

370

00:17:03,499 --> 00:16:59,970

to have been born when I was born

371

00:17:08,960 --> 00:17:03,509

because i saw these grand changes in

372

00:17:11,449 --> 00:17:08,970

technology and in human understanding of

373

00:17:15,110 --> 00:17:11,459

the of the world but at the same time i

374

00:17:16,460 --> 00:17:15,120

think that Fineman board 200 years ago I

375

00:17:18,350 --> 00:17:16,470

would have said exactly the same thing

376

00:17:20,120 --> 00:17:18,360

yeah well that's right there have been a

377

00:17:23,720 --> 00:17:20,130

lot of changes over the lungs you said

378

00:17:25,429 --> 00:17:23,730

yes but I 86 years is a long time to

379

00:17:27,470 --> 00:17:25,439

observe the world how it is that it is

380

00:17:31,100 --> 00:17:27,480

well look I look forward to chatting to

381

00:17:32,690 --> 00:17:31,110

you in 10 years or near 96 and you can

382

00:17:34,279 --> 00:17:32,700

tell me about all the other changes is

383

00:17:36,440 --> 00:17:34,289

you're just obsessed when they ask me my

384

00:17:39,320 --> 00:17:36,450

age I say 86 going on a high degree

385

00:17:42,379 --> 00:17:39,330

because I'm optimistic maybe foolishly

386

00:17:44,149 --> 00:17:42,389

ask optimistic but I hope not i think we

387

00:17:46,030 --> 00:17:44,159

should get a lot of work to do I think

388

00:18:06,190 --> 00:17:46,040

you do Randy thanks very much

389

00:18:08,530 --> 00:18:06,200

matron welcome to a week in science from

390

00:18:10,450 --> 00:18:08,540

ra oz bringing you the science you need

391

00:18:12,250 --> 00:18:10,460

to know are you sitting down listening

392

00:18:19,360 --> 00:18:12,260

to this what do you think you're doing

393

00:18:20,710 --> 00:18:19,370

stand up stand up quickly what if we

394

00:18:23,560 --> 00:18:20,720

said that the amount that you sat down

395

00:18:25,180 --> 00:18:23,570

was a major health concern there's a

396

00:18:26,650 --> 00:18:25,190

growing amounts of research which is

397

00:18:28,810 --> 00:18:26,660

showing that the amount that you sit

398

00:18:31,090 --> 00:18:28,820

down can increase your risk of various

399

00:18:33,940 --> 00:18:31,100

medical problems such as diabetes and

400

00:18:35,530 --> 00:18:33,950

cardiovascular disease one study delved

401
00:18:37,510 --> 00:18:35,540
into the possible reason for this and

402
00:18:39,220 --> 00:18:37,520
found the amount that people sat down

403
00:18:41,410 --> 00:18:39,230
alter the length of their telomeres

404
00:18:44,200 --> 00:18:41,420
which our DNA caps on the end of your

405
00:18:46,480 --> 00:18:44,210
chromosomes these telomeres shorten as

406
00:18:48,460 --> 00:18:46,490
you age and sitting for more time leaves

407
00:18:50,260 --> 00:18:48,470
that shortening happening even faster

408
00:18:54,160 --> 00:18:50,270
increasing your risk of age-related

409
00:18:55,810 --> 00:18:54,170
conditions now I know what you're

410
00:18:58,000 --> 00:18:55,820
thinking if you're sitting down and not

411
00:19:00,190 --> 00:18:58,010
exercising your possibly unfit and

412
00:19:01,960 --> 00:19:00,200
leading a poor lifestyle but it's not

413
00:19:03,880 --> 00:19:01,970

quite that straightforward in these

414

00:19:05,950 --> 00:19:03,890

studies the amount of exercise didn't

415

00:19:07,560 --> 00:19:05,960

have any effect it was purely the

416

00:19:10,090 --> 00:19:07,570

amounts of sitting down time and

417

00:19:12,130 --> 00:19:10,100

exercising didn't negate the effects of

418

00:19:14,140 --> 00:19:12,140

sitting the effect is still seen in

419

00:19:16,270 --> 00:19:14,150

people who are otherwise fit including

420

00:19:18,010 --> 00:19:16,280

runners one suggestion is that while

421

00:19:19,810 --> 00:19:18,020

you're standing your hamstrings and

422

00:19:21,880 --> 00:19:19,820

thigh muscles are working more than when

423

00:19:23,470 --> 00:19:21,890

you are sitting and this small amount of

424

00:19:25,270 --> 00:19:23,480

constant work is what makes the

425

00:19:27,040 --> 00:19:25,280

difference so if you want to stay

426

00:19:29,200 --> 00:19:27,050

healthy tries to reduce the amount of

427

00:19:32,200 --> 00:19:29,210

time you're sitting down or stand up as

428

00:19:35,280 --> 00:19:32,210

often as you can and now for fast facts

429

00:19:37,690 --> 00:19:35,290

about stand-up work desks

430

00:19:39,850 --> 00:19:37,700

stand up work desks were reportedly

431

00:19:42,250 --> 00:19:39,860

avored by Leonardo da Vinci Ernest

432

00:19:43,630 --> 00:19:42,260

Hemingway and Winston Churchill some of

433

00:19:46,300 --> 00:19:43,640

the earliest evidence of the health

434

00:19:48,670 --> 00:19:46,310

effects of setting was in 1953 when a

435

00:19:50,170 --> 00:19:48,680

study showed bus conductors had a lower

436

00:19:52,540 --> 00:19:50,180

risk of heart attack than they're

437

00:19:54,160 --> 00:19:52,550

sitting driver counterparts Denmark has

438

00:19:55,720 --> 00:19:54,170

become the first country in the world to

439

00:19:58,030 --> 00:19:55,730

make it compulsory to offer employees

440

00:20:00,760 --> 00:19:58,040

the choice of a sitting or standing desk

441

00:20:02,440 --> 00:20:00,770

and just remember standing or frequent

442

00:20:05,650 --> 00:20:02,450

gentle exercise is not meant to replace

443

00:20:07,810 --> 00:20:05,660

vigorous exercise but complement it in a

444

00:20:10,210 --> 00:20:07,820

healthy lifestyle that's it for this

445

00:20:12,010 --> 00:20:10,220

week in science for more information on

446

00:20:16,390 --> 00:20:12,020

their health effects of sitting goes the

447

00:20:19,510 --> 00:20:16,400

RLS website are I aus org dot a you

448

00:20:21,910 --> 00:20:19,520

follow us on twitter at ra oz and like

449

00:20:40,450 --> 00:20:21,920

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

450

00:20:48,459 --> 00:20:45,200

here's my not spooky action at a

451

00:20:52,159 --> 00:20:51,169

I'm here in a very small room with an

452

00:20:54,440 --> 00:20:52,169

air conditioning noise in the background

453

00:20:57,139 --> 00:20:54,450

with dr. Karl hi dr. Carl hello I'm

454

00:20:59,239 --> 00:20:57,149

wagging my Fez at you dr. banner I'm

455

00:21:00,739 --> 00:20:59,249

recognizing your fears and I'll just sit

456

00:21:02,659 --> 00:21:00,749

here and be amazing thank you for

457

00:21:04,009 --> 00:21:02,669

inviting me here oh and thank you for a

458

00:21:05,989 --> 00:21:04,019

great talk you gave us all then about

459

00:21:07,399 --> 00:21:05,999

your journey through America and your

460

00:21:08,869 --> 00:21:07,409

car that broke down so what made you

461

00:21:10,039 --> 00:21:08,879

think as a scientist and a rational

462

00:21:13,549 --> 00:21:10,049

thinker that you should go for such a

463

00:21:15,320 --> 00:21:13,559

long journey in such an old car we've

464

00:21:18,169 --> 00:21:15,330

had engines that work for a long time

465

00:21:20,209 --> 00:21:18,179

and I would have thought that the guy

466

00:21:22,459 --> 00:21:20,219

who rented me the car for a very great

467

00:21:24,700 --> 00:21:22,469

price would have done the right

468

00:21:27,919 --> 00:21:24,710

maintenance and preparation

469

00:21:30,440 --> 00:21:27,929

unfortunately he didn't but sure we can

470

00:21:31,669 --> 00:21:30,450

get a car engine to go tremendously long

471

00:21:33,619 --> 00:21:31,679

distances in fact with the modern

472

00:21:36,499 --> 00:21:33,629

technology the fuel economy of their car

473

00:21:38,089 --> 00:21:36,509

was 20 miles per gallon kahoo doing

474

00:21:40,070 --> 00:21:38,099

gentle highway driving which was

475

00:21:42,560 --> 00:21:40,080

remarkably good for such a big engine

476

00:21:44,539 --> 00:21:42,570

and a big loud noise now you haven't

477

00:21:49,489 --> 00:21:44,549

steered towards the electric car in your

478

00:21:51,169 --> 00:21:49,499

own life have you yes I've gone the one

479

00:21:55,039 --> 00:21:51,179

hybrid car and I bought another hybrid

480

00:21:58,009 --> 00:21:55,049

car and in fact the guy who helps set up

481

00:21:59,690 --> 00:21:58,019

Apple Steve Wozniak whenever he comes to

482

00:22:02,899 --> 00:21:59,700

a new country on his travels around the

483

00:22:04,430 --> 00:22:02,909

world he gets hold of a Prius and then

484

00:22:06,680 --> 00:22:04,440

deliberately tries to break the speed

485

00:22:07,999 --> 00:22:06,690

limit as high as he can and then gets

486

00:22:09,589 --> 00:22:08,009

busted by the cops and so it comes out

487

00:22:11,629 --> 00:22:09,599

in the newspaper Steve Wozniak busted

488

00:22:14,029 --> 00:22:11,639

for doing 180 Kilmer's for our in a

489

00:22:15,950 --> 00:22:14,039

Prius Wow and so that way he points out

490

00:22:18,129 --> 00:22:15,960

the cars can go really well they're now

491

00:22:21,799 --> 00:22:18,139

moving towards total electric cars and

492

00:22:24,919 --> 00:22:21,809

we're going with both larger capacity

493

00:22:27,349 --> 00:22:24,929

and also better battery technology as

494

00:22:29,299 --> 00:22:27,359

well as in some companies will give you

495

00:22:31,969 --> 00:22:29,309

a loaner if you want to do a 4,000

496

00:22:33,440 --> 00:22:31,979

kilometer trip in one go now why is it

497

00:22:34,759 --> 00:22:33,450

taken so long you think do you think

498

00:22:37,219 --> 00:22:34,769

there's a conspiracy going on here

499

00:22:38,479 --> 00:22:37,229

because i bought a beetle back in two

500

00:22:40,279 --> 00:22:38,489

thousand and I thought okay this will

501
00:22:42,769 --> 00:22:40,289
probably my last petrol car and if I was

502
00:22:44,959 --> 00:22:42,779
buying another car I might have to get a

503
00:22:46,849 --> 00:22:44,969
small petrol engine turbo rather than a

504
00:22:49,940 --> 00:22:46,859
hybrid or an electric because that to me

505
00:22:52,339 --> 00:22:49,950
they're just not quite right yet if you

506
00:22:54,630 --> 00:22:52,349
buy a Tesla which is moderately

507
00:23:00,090 --> 00:22:54,640
expensive you can

508
00:23:02,190 --> 00:23:00,100
do 500 kilometers on the the electric

509
00:23:03,650 --> 00:23:02,200
charge is about 80 or so kilowatt hours

510
00:23:06,720 --> 00:23:03,660
just put those numbers in perspective

511
00:23:08,760 --> 00:23:06,730
the average house draws about twenty

512
00:23:10,680 --> 00:23:08,770
five kilowatt hours a day we used to

513
00:23:16,650 --> 00:23:10,690

draw 28 we're down to eight and our

514

00:23:20,490 --> 00:23:16,660

solar cells make 33 in summer and 16 the

515

00:23:21,960 --> 00:23:20,500

lowest in winter and so the cars I've

516

00:23:24,840 --> 00:23:21,970

got about twenty kilowatt-hour batteries

517

00:23:28,050 --> 00:23:24,850

but the Tesla has got an 85 I think and

518

00:23:29,520 --> 00:23:28,060

it can do 300 500 kilometers and then

519

00:23:31,620 --> 00:23:29,530

you can do a 20-minute quick charge on

520

00:23:33,300 --> 00:23:31,630

the highway which will take you 300

521

00:23:36,120 --> 00:23:33,310

kilometres you're looking at a very

522

00:23:37,650 --> 00:23:36,130

expensive car there it is but the

523

00:23:39,720 --> 00:23:37,660

maintenance costs are less there are

524

00:23:42,440 --> 00:23:39,730

other ways around it we're in a

525

00:23:46,110 --> 00:23:42,450

transition stage where we're moving

526

00:23:49,890 --> 00:23:46,120

towards the electric car as a viable

527

00:23:51,360 --> 00:23:49,900

beast via different pathways one is

528

00:23:53,910 --> 00:23:51,370

getting the bit of battery technology

529

00:23:55,860 --> 00:23:53,920

which we've been very slow on and the

530

00:23:57,690 --> 00:23:55,870

other one is getting more recharging

531

00:24:02,900 --> 00:23:57,700

stations if you go back to the very very

532

00:24:05,730 --> 00:24:02,910

first journey taken in a car Bertha Benz

533

00:24:06,810 --> 00:24:05,740

married to Gottlieb in saying thank you

534

00:24:08,820 --> 00:24:06,820

got lube you've been doing a nice job

535

00:24:10,950 --> 00:24:08,830

inventing this thing you call a car I'm

536

00:24:13,170 --> 00:24:10,960

they're going to use it and go on a trip

537

00:24:15,770 --> 00:24:13,180

and see my mother there were no proper

538

00:24:19,740 --> 00:24:15,780

roads at the time so she had to go on

539

00:24:21,990 --> 00:24:19,750

horse carriage tracks and luckily the

540

00:24:24,540 --> 00:24:22,000

wheel spacing of the car tires was

541

00:24:27,540 --> 00:24:24,550

roughly the same as the carriage spacing

542

00:24:29,220 --> 00:24:27,550

there will be rough to the brakes to

543

00:24:31,530 --> 00:24:29,230

idle all the way she had to cut up her

544

00:24:33,050 --> 00:24:31,540

leather handbag and make some more hand

545

00:24:36,360 --> 00:24:33,060

brakes and here's the important part

546

00:24:38,720 --> 00:24:36,370

before she went on the trip she had to

547

00:24:42,030 --> 00:24:38,730

order a whole bunch of drums have

548

00:24:45,750 --> 00:24:42,040

benzene from the pharmacist there was

549

00:24:48,000 --> 00:24:45,760

not a single refueling station in the

550

00:24:50,310 --> 00:24:48,010

known universe for the internal

551
00:24:51,900 --> 00:24:50,320
combustion car and then over the last

552
00:24:53,040 --> 00:24:51,910
century they've increased in numbers and

553
00:24:54,720 --> 00:24:53,050
now we've got them all over the place

554
00:24:56,760 --> 00:24:54,730
and somehow we think that's the only way

555
00:24:59,520 --> 00:24:56,770
to go so it's not that hard after only

556
00:25:01,650 --> 00:24:59,530
century to change over to to change over

557
00:25:03,720 --> 00:25:01,660
to electric refueling with a very fast

558
00:25:05,400 --> 00:25:03,730
charge but in the early days of the 20th

559
00:25:06,600 --> 00:25:05,410
century there was some advances in the

560
00:25:07,320 --> 00:25:06,610
electric car wasn't there in the early

561
00:25:10,710 --> 00:25:07,330
on

562
00:25:14,880 --> 00:25:10,720
yes but what killed them was the fuel

563
00:25:18,150 --> 00:25:14,890

tank and the capacity consider a 44

564

00:25:21,620 --> 00:25:18,160

gallon drum of petrol you can buy a

565

00:25:24,060 --> 00:25:21,630

regular barrel of oil as 215 there's a

566

00:25:26,070 --> 00:25:24,070

battle Vols 160 degrees you can buy a

567

00:25:27,420 --> 00:25:26,080

barrel of oil which is just only a

568

00:25:31,700 --> 00:25:27,430

little bit bigger than a 44 gallon drum

569

00:25:36,510 --> 00:25:31,710

for about 100 bucks it has the energy of

570

00:25:39,570 --> 00:25:36,520

two men working five hour five days a

571

00:25:42,540 --> 00:25:39,580

week eight hours a day for an entire

572

00:25:44,520 --> 00:25:42,550

year for 52 weeks a year you get two

573

00:25:48,830 --> 00:25:44,530

men's labor for a year for a hundred

574

00:25:53,010 --> 00:25:48,840

bucks and so fossil fuels have enormous

575

00:25:55,320 --> 00:25:53,020

embedded energy and so you had much

576

00:25:58,860 --> 00:25:55,330

better capacity for covering big

577

00:26:00,060 --> 00:25:58,870

distances with a fuel car yeah petrol

578

00:26:02,220 --> 00:26:00,070

gasoline whatever they call it as

579

00:26:04,680 --> 00:26:02,230

opposed to a battery but now with

580

00:26:07,260 --> 00:26:04,690

advanced battery technology we're going

581

00:26:09,120 --> 00:26:07,270

down a pathway in fact the Chinese are

582

00:26:10,290 --> 00:26:09,130

heading down that pathway with admit

583

00:26:12,630 --> 00:26:10,300

they're making it one of their four moon

584

00:26:14,850 --> 00:26:12,640

shots okay what do you think of the

585

00:26:16,620 --> 00:26:14,860

Chinese space program and the Indian but

586

00:26:19,590 --> 00:26:16,630

program they're very economical aren't

587

00:26:21,420 --> 00:26:19,600

they yeah the China the Indians got to

588

00:26:23,460 --> 00:26:21,430

Mars for about 80 million dollars which

589

00:26:25,800 --> 00:26:23,470

is cheaper than movie spent about that

590

00:26:28,260 --> 00:26:25,810

i'm using hear the word moonshot in a

591

00:26:30,900 --> 00:26:28,270

metaphorical sense we're a country such

592

00:26:33,870 --> 00:26:30,910

as the USA spins in today's dollars

593

00:26:36,990 --> 00:26:33,880

hundreds of billions of dollars and a

594

00:26:40,800 --> 00:26:37,000

decade of time so the country goes down

595

00:26:42,540 --> 00:26:40,810

a specific pathway that leads to an

596

00:26:44,520 --> 00:26:42,550

outcome in the case of the Americans it

597

00:26:48,570 --> 00:26:44,530

was in 10 years getting the moon and

598

00:26:50,330 --> 00:26:48,580

back but also generating \$137 with a

599

00:26:52,290 --> 00:26:50,340

spin-off for every dollar they put in

600

00:26:53,520 --> 00:26:52,300

accidentally inventing integrated

601
00:26:55,230 --> 00:26:53,530
circuits and therefore the modern

602
00:26:58,740 --> 00:26:55,240
computer and therefore accidentally

603
00:27:00,990 --> 00:26:58,750
having a well-educated technical middle

604
00:27:02,460 --> 00:27:01,000
class and trades class and therefore

605
00:27:04,770 --> 00:27:02,470
leading to the America being a world

606
00:27:05,910 --> 00:27:04,780
leader in technology and they say that

607
00:27:07,770 --> 00:27:05,920
way for a third of a century which is

608
00:27:11,250 --> 00:27:07,780
falling it before falling over recently

609
00:27:13,680 --> 00:27:11,260
so China has four of these metaphorical

610
00:27:16,590 --> 00:27:13,690
moonshots one metal book for achill

611
00:27:19,370 --> 00:27:16,600
moonshot is to do is transport so that

612
00:27:22,160 --> 00:27:19,380
covers everything from buses

613
00:27:24,080 --> 00:27:22,170

to going to the moon and they intend

614

00:27:26,570 --> 00:27:24,090

they've already landed a rover on the

615

00:27:28,520 --> 00:27:26,580

moon which is an immense technological

616

00:27:30,350 --> 00:27:28,530

achievement and they intend to get

617

00:27:33,590 --> 00:27:30,360

humans on the moon and back again by

618

00:27:35,210 --> 00:27:33,600

2025 whereas the Americans can't get

619

00:27:37,220 --> 00:27:35,220

anything into space at the moment no

620

00:27:39,440 --> 00:27:37,230

humans the Americans cannot launch

621

00:27:45,470 --> 00:27:39,450

humans into space and what seems to be

622

00:27:47,570 --> 00:27:45,480

their problem it's complicated but i'll

623

00:27:49,520 --> 00:27:47,580

talk about that later so let me just

624

00:27:51,080 --> 00:27:49,530

stay online the moonshot folk over there

625

00:27:52,700 --> 00:27:51,090

are different problem so these the

626

00:27:54,830 --> 00:27:52,710

Americans want to get the moon into

627

00:27:56,330 --> 00:27:54,840

orbit they have to pay the Russians taxi

628

00:28:00,100 --> 00:27:56,340

fare of about 70 million dollars a head

629

00:28:03,080 --> 00:28:00,110

so as part of their first moonshot the

630

00:28:06,140 --> 00:28:03,090

MSO the Chinese moonshot on transport

631

00:28:09,140 --> 00:28:06,150

that also includes trains and so what

632

00:28:11,930 --> 00:28:09,150

they've done is have high-speed trains

633

00:28:15,890 --> 00:28:11,940

running across the country and they have

634

00:28:20,060 --> 00:28:15,900

a high-speed train running 3000 no 24

635

00:28:21,860 --> 00:28:20,070

hundred kilometers and that train does

636

00:28:25,370 --> 00:28:21,870

24 hundred kilometres that we 300

637

00:28:27,710 --> 00:28:25,380

kilometers in eight hours just under 300

638

00:28:31,190 --> 00:28:27,720

kilometres an hour and in a mirror in in

639

00:28:35,390 --> 00:28:31,200

China today more people every day cancer

640

00:28:38,360 --> 00:28:35,400

high-speed train van in America do

641

00:28:39,980 --> 00:28:38,370

people catch an aeroplane think how more

642

00:28:41,600 --> 00:28:39,990

efficient it is for the country for the

643

00:28:44,000 --> 00:28:41,610

moving of people around to use these

644

00:28:46,580 --> 00:28:44,010

high-speed trains so one of their moon

645

00:28:49,880 --> 00:28:46,590

shots is transport the second moon site

646

00:28:51,290 --> 00:28:49,890

shot is genetic engineering and to just

647

00:28:53,800 --> 00:28:51,300

approve where they can do get their

648

00:28:56,600 --> 00:28:53,810

skills good what they've done is

649

00:28:59,150 --> 00:28:56,610

genetically modified cows to deliver

650

00:29:00,320 --> 00:28:59,160

human breast milk human Bristol sells

651
00:29:03,640 --> 00:29:00,330
for about twenty seven dollars or later

652
00:29:06,860 --> 00:29:03,650
there are users for it and they've also

653
00:29:09,740 --> 00:29:06,870
genetically engineered or genetically

654
00:29:11,300 --> 00:29:09,750
mapped as many strains of rice as they

655
00:29:13,850 --> 00:29:11,310
can because Rice's be part of their diet

656
00:29:18,260 --> 00:29:13,860
now have you heard of the grassy stunt

657
00:29:19,730 --> 00:29:18,270
Ross virus no it sounds pretty evil it

658
00:29:20,810 --> 00:29:19,740
sounds like something that someone's

659
00:29:24,050 --> 00:29:20,820
stroking a cat that lives in a

660
00:29:27,700 --> 00:29:24,060
hollowed-out volcano would do so they

661
00:29:31,039 --> 00:29:27,710
had a hit the world in the late 60s and

662
00:29:33,799 --> 00:29:31,049
it basically destroyed all the rice

663
00:29:36,799 --> 00:29:33,809

infected the rice and killed it and so

664

00:29:40,220 --> 00:29:36,809

the botanists of the day we're looking

665

00:29:42,049 --> 00:29:40,230

through their entire repertoire library

666

00:29:44,690 --> 00:29:42,059

repository of different strains of rice

667

00:29:48,739 --> 00:29:44,700

and out of the six thousand two hundred

668

00:29:52,039 --> 00:29:48,749

and something strains of rice one only

669

00:29:54,080 --> 00:29:52,049

one was resistant to the grassy stunt

670

00:29:56,060 --> 00:29:54,090

virus and they then bred that into all

671

00:29:59,539 --> 00:29:56,070

the other types of rice and as a result

672

00:30:02,269 --> 00:29:59,549

we still have rice today because the

673

00:30:05,989 --> 00:30:02,279

variety they found was a very mediocre

674

00:30:08,479 --> 00:30:05,999

or had a very mediocre yield so getting

675

00:30:10,700 --> 00:30:08,489

back to this concept the Chinese are

676

00:30:12,440 --> 00:30:10,710

going big into genetics is their second

677

00:30:14,629 --> 00:30:12,450

moonshot spending hundreds of millions

678

00:30:17,629 --> 00:30:14,639

of dollars and spending a decade their

679

00:30:20,239 --> 00:30:17,639

third moon shot is with regard to energy

680

00:30:22,960 --> 00:30:20,249

and becoming green anymore remember that

681

00:30:25,970 --> 00:30:22,970

recently the Chinese and the Americans

682

00:30:28,849 --> 00:30:25,980

signed an accord this has been

683

00:30:31,070 --> 00:30:28,859

misrepresented in the papers with regard

684

00:30:32,720 --> 00:30:31,080

to global warming as the Chinese can do

685

00:30:34,580 --> 00:30:32,730

all the polluting they like with carbon

686

00:30:37,970 --> 00:30:34,590

dioxide until 2030 and then I'll think

687

00:30:41,799 --> 00:30:37,980

about it in fact in the year that's just

688

00:30:45,499 --> 00:30:41,809

gone past the year 2013 the Chinese

689

00:30:47,649 --> 00:30:45,509

installed a huge amount of electrical

690

00:30:49,580 --> 00:30:47,659

generating capacity for their burgeoning

691

00:30:54,229 --> 00:30:49,590

population bring them up into the middle

692

00:30:57,889 --> 00:30:54,239

class in the year 2013 the majority of

693

00:31:00,950 --> 00:30:57,899

it was renewables and they have stated

694

00:31:02,810 --> 00:31:00,960

that every year they will increase the

695

00:31:04,669 --> 00:31:02,820

proportion of it that is renewables

696

00:31:07,099 --> 00:31:04,679

until it's entirely renewables this has

697

00:31:08,539 --> 00:31:07,109

been misrepresented in the Murdoch press as

698

00:31:10,669 --> 00:31:08,549

the Chinese are putting down a new

699

00:31:12,499 --> 00:31:10,679

coal-fired power station every 10 days

700

00:31:15,049 --> 00:31:12,509

and not going to change anything until

701
00:31:18,169 --> 00:31:15,059
2030 on this non binding treaty so the

702
00:31:20,180 --> 00:31:18,179
Chinese intend and they will do this to

703
00:31:22,609 --> 00:31:20,190
become the greatest nation on earth and

704
00:31:27,019 --> 00:31:22,619
in self that technology to the rest of

705
00:31:28,989 --> 00:31:27,029
the world the fourth moon shot takes us

706
00:31:31,849 --> 00:31:28,999
back to your very first question their

707
00:31:35,269 --> 00:31:31,859
fourth moon shot is electric car not

708
00:31:37,129 --> 00:31:35,279
married into green not married into

709
00:31:39,379 --> 00:31:37,139
transport but as a standalone event

710
00:31:40,540 --> 00:31:39,389
because that nice coincidence that the

711
00:31:43,930 --> 00:31:40,550
amount of energy that you

712
00:31:45,520 --> 00:31:43,940
to run a car for a day 100 kilometres 20

713
00:31:47,290 --> 00:31:45,530

kilowatt hours is roughly equal to the

714

00:31:49,000 --> 00:31:47,300

amount of energy needed by a house and

715

00:31:53,220 --> 00:31:49,010

they intend to have across China in 10

716

00:31:56,920 --> 00:31:53,230

years not millions of electric cars

717

00:32:01,270 --> 00:31:56,930

hundreds of millions Wow that'll all be

718

00:32:04,480 --> 00:32:01,280

electric cars and they'll plug into the

719

00:32:06,010 --> 00:32:04,490

grid a car only operates for an hour or

720

00:32:07,510 --> 00:32:06,020

two a day on average and the rest of

721

00:32:11,380 --> 00:32:07,520

time is just seeing there and so that'll

722

00:32:13,810 --> 00:32:11,390

be part part of their mobile battery

723

00:32:15,280 --> 00:32:13,820

system which is an essential part of

724

00:32:18,100 --> 00:32:15,290

their overall guide for the country

725

00:32:22,150 --> 00:32:18,110

because they think on a 10 or 20 year

726

00:32:23,410 --> 00:32:22,160

span not just to the next pole or even

727

00:32:26,770 --> 00:32:23,420

the next election they think long term

728

00:32:28,750 --> 00:32:26,780

as a science communicator in 2014 and

729

00:32:30,430 --> 00:32:28,760

how do you feel with the situation with

730

00:32:32,490 --> 00:32:30,440

science in Australia and the attitude of

731

00:32:34,420 --> 00:32:32,500

the government to it this time around

732

00:32:37,120 --> 00:32:34,430

philosophical all I hope is that the

733

00:32:39,700 --> 00:32:37,130

pendulum will swing and at the moment

734

00:32:44,170 --> 00:32:39,710

we're in a situation where our funding

735

00:32:45,580 --> 00:32:44,180

for science R&D which has been proven

736

00:32:47,140 --> 00:32:45,590

over and over again to generate huge

737

00:32:50,770 --> 00:32:47,150

amounts of innovation is at its lowest

738

00:32:52,750 --> 00:32:50,780

in 30 years so it's not just the current

739

00:32:55,200 --> 00:32:52,760

government is all of the bail plea just

740

00:32:59,610 --> 00:32:55,210

means another liberal party and

741

00:33:02,680 --> 00:32:59,620

education and science are not seen as

742

00:33:07,690 --> 00:33:02,690

investments in the country but rather as

743

00:33:09,790 --> 00:33:07,700

an intolerable burden look and one thing

744

00:33:11,110 --> 00:33:09,800

in your house of Karl's book that people

745

00:33:12,340 --> 00:33:11,120

are going to read and it's going to make

746

00:33:14,080 --> 00:33:12,350

them want to put their brain out and

747

00:33:16,470 --> 00:33:14,090

wash it and put it back in what's the

748

00:33:19,540 --> 00:33:16,480

thing that will really blow their mind

749

00:33:24,880 --> 00:33:19,550

there's a cure for cancer which works

750

00:33:26,200 --> 00:33:24,890

what characters it no Baba Baba which

751

00:33:27,610 --> 00:33:26,210

doesn't work all the time but when it

752

00:33:30,490 --> 00:33:27,620

does work it works a hundred percent

753

00:33:31,960 --> 00:33:30,500

it's called the AB Scoble effect and so

754

00:33:34,420 --> 00:33:31,970

suppose you've got some poor buggers got

755

00:33:36,130 --> 00:33:34,430

cancer of the everything and it's

756

00:33:37,750 --> 00:33:36,140

spreading their brain in their lungs and

757

00:33:39,880 --> 00:33:37,760

their liver and this plane and their

758

00:33:41,260 --> 00:33:39,890

muscles and their bones and they go to

759

00:33:42,280 --> 00:33:41,270

the doctor and they're on their pathway

760

00:33:44,300 --> 00:33:42,290

to death they're not going to get better

761

00:33:45,830 --> 00:33:44,310

everything's been trying to just getting

762

00:33:47,240 --> 00:33:45,840

was there in a wheelchair they can't get

763

00:33:49,400 --> 00:33:47,250

up there lost his strength they've got

764

00:33:53,120 --> 00:33:49,410

this terrible pain in their hip doctor

765

00:33:54,590 --> 00:33:53,130

says you're almost certainly the cancer

766

00:33:56,180 --> 00:33:54,600

has spread to your hip we've got this

767

00:33:57,590 --> 00:33:56,190

cat scan which shows that those cancer

768

00:34:00,020 --> 00:33:57,600

there it's expanding its causing

769

00:34:02,090 --> 00:34:00,030

pressure effects let me zap the cancer

770

00:34:04,070 --> 00:34:02,100

with a high dose of radiation which will

771

00:34:05,420 --> 00:34:04,080

kill the cancer and you can't give that

772

00:34:07,070 --> 00:34:05,430

dose to the whole body because I'll kill

773

00:34:09,140 --> 00:34:07,080

a person and we'll try and get you

774

00:34:10,400 --> 00:34:09,150

through knowing that they're going to

775

00:34:12,440 --> 00:34:10,410

die but at least they won't be in pain

776
00:34:14,120 --> 00:34:12,450
from their hip they come back a couple

777
00:34:16,520 --> 00:34:14,130
of weeks later and they're saying you

778
00:34:18,440 --> 00:34:16,530
know what I feel better and the pains

779
00:34:20,090 --> 00:34:18,450
gone but I feel better and then doctor

780
00:34:21,380 --> 00:34:20,100
says well that's great look he's an

781
00:34:24,100 --> 00:34:21,390
appointment come see me in three months

782
00:34:25,760 --> 00:34:24,110
if you don't feel well enough ring

783
00:34:28,070 --> 00:34:25,770
thinking they're not going to be alive

784
00:34:30,470 --> 00:34:28,080
in three months they come back in three

785
00:34:32,750 --> 00:34:30,480
months they're walking they've put on

786
00:34:35,540 --> 00:34:32,760
five kilograms of muscle the doctor does

787
00:34:37,940 --> 00:34:35,550
a cat scan MRI scan and everywhere where

788
00:34:41,450 --> 00:34:37,950

there before was visible canceling their

789

00:34:42,980 --> 00:34:41,460

body has gone welcome to the EBSCO pool

790

00:34:45,500 --> 00:34:42,990

effects story number two in my book and

791

00:34:48,740 --> 00:34:45,510

basically what happens is you make the

792

00:34:50,660 --> 00:34:48,750

cancer visible to the immune system you

793

00:34:51,980 --> 00:34:50,670

get a cold or a flu you know worried you

794

00:34:53,720 --> 00:34:51,990

know your immune system will fix it up

795

00:34:56,240 --> 00:34:53,730

because I recognize it suddenly

796

00:34:58,610 --> 00:34:56,250

something we don't know what has made

797

00:35:00,800 --> 00:34:58,620

the cancer visible to the immune system

798

00:35:03,470 --> 00:35:00,810

the immune system says what the heck is

799

00:35:05,300 --> 00:35:03,480

this and attacks it and as the cancer

800

00:35:07,820 --> 00:35:05,310

mutates and tries to evade the immune

801
00:35:10,700 --> 00:35:07,830
system mutates to change it and kill the

802
00:35:12,620 --> 00:35:10,710
ab Scoble effect read about it and watch

803
00:35:14,180 --> 00:35:12,630
the last word to you dr. Carl what's the

804
00:35:18,310 --> 00:35:14,190
first thing people should do to get

805
00:35:25,030 --> 00:35:18,320
their critical thinking going um

806
00:35:28,640 --> 00:35:25,040
exercise exercise is good talk read and

807
00:35:47,210 --> 00:35:28,650
always demand the facts ignore opinions

808
00:35:56,690 --> 00:35:49,760
what we want is some more evidence

809
00:35:56,700 --> 00:36:02,240
hello this is Joe alabaster

810
00:36:07,950 --> 00:36:05,970
so last weekend i attended the

811
00:36:10,230 --> 00:36:07,960
australian skeptical event of the year

812
00:36:12,780 --> 00:36:10,240
the australian skeptics national

813
00:36:16,650 --> 00:36:12,790

convention which this year was held in

814

00:36:18,059 --> 00:36:16,660

chatswood a suburb of sydney now before

815

00:36:20,579 --> 00:36:18,069

i regale you with a report on the

816

00:36:22,740 --> 00:36:20,589

convention i'd like to give a huge thank

817

00:36:26,280 --> 00:36:22,750

you to the skeptic sounds very generous

818

00:36:29,430 --> 00:36:26,290

sponsor dr. bob's trivia quiz who made

819

00:36:31,049 --> 00:36:29,440

my convention attendance possible dr.

820

00:36:33,120 --> 00:36:31,059

bob was not of the convention himself

821

00:36:37,349 --> 00:36:33,130

but i do hope to one day meet you and

822

00:36:39,329 --> 00:36:37,359

say thanks in person on friday night i

823

00:36:40,740 --> 00:36:39,339

attended the welcome event though i

824

00:36:43,290 --> 00:36:40,750

spent the evening mingling with the

825

00:36:45,990 --> 00:36:43,300

attendees downstairs while the SGU live

826

00:36:48,720 --> 00:36:46,000

show was on already the con was

827

00:36:50,970 --> 00:36:48,730

fantastic i really enjoyed meeting old

828

00:36:53,220 --> 00:36:50,980

friends people have spoken with online

829

00:36:54,990 --> 00:36:53,230

but hadn't met in person some of the

830

00:36:57,390 --> 00:36:55,000

skeptic zones lovely listeners and

831

00:37:00,900 --> 00:36:57,400

fellow skeptics from not just across

832

00:37:02,640 --> 00:37:00,910

australia but overseas as well now the

833

00:37:05,010 --> 00:37:02,650

crowd was pleasingly diverse and

834

00:37:08,819 --> 00:37:05,020

friendly and remains her over the

835

00:37:11,819 --> 00:37:08,829

weekend Friday night drinks before a

836

00:37:13,589 --> 00:37:11,829

convention can be dangerous i limited

837

00:37:15,990 --> 00:37:13,599

myself to a couple of sips of champagne

838

00:37:18,870 --> 00:37:16,000

to toast Richard Saunders birthday and

839

00:37:20,370 --> 00:37:18,880

happy birthday again Richard then headed

840

00:37:24,210 --> 00:37:20,380

back to my digs to be bright-eyed and

841

00:37:26,880 --> 00:37:24,220

bushy-tailed for saturday morning her

842

00:37:28,859 --> 00:37:26,890

registration was first up and might I

843

00:37:30,690 --> 00:37:28,869

say the goodie bag we received upon

844

00:37:33,380 --> 00:37:30,700

arrival contained one of the funnest

845

00:37:36,240 --> 00:37:33,390

novelty items I have ever received

846

00:37:39,420 --> 00:37:36,250

Australian skeptics word salad magnetic

847

00:37:41,910 --> 00:37:39,430

poetry if anyone isn't familiar with

848

00:37:44,640 --> 00:37:41,920

magnetic poetry their sets of small

849

00:37:46,770 --> 00:37:44,650

magnets with words usually maintaining a

850

00:37:49,380 --> 00:37:46,780

theme which can be combined on one's

851
00:37:52,700 --> 00:37:49,390
fridge in various ways to create phrases

852
00:37:55,170 --> 00:37:52,710
and bizarre poetry this set contains

853
00:37:58,020 --> 00:37:55,180
fantastic words many commonly utilized

854
00:38:01,650 --> 00:37:58,030
by were merchants which can be combined

855
00:38:05,849 --> 00:38:01,660
to create absurd phrases advanced

856
00:38:10,170 --> 00:38:05,859
quantum truth is a cosmic bunyip death

857
00:38:14,860 --> 00:38:10,180
is a potential memory advanced astrology

858
00:38:17,120 --> 00:38:14,870
to predict ancient alien it's fun

859
00:38:19,340 --> 00:38:17,130
the theater in which the talks were

860
00:38:20,960 --> 00:38:19,350
being held was rather amazing two

861
00:38:23,020 --> 00:38:20,970
sections of seating on the ground level

862
00:38:25,670 --> 00:38:23,030
and tiered seating around the room

863
00:38:27,830 --> 00:38:25,680

around segev current president of

864

00:38:31,430 --> 00:38:27,840

Australian skeptics Inc opened the

865

00:38:33,020 --> 00:38:31,440

convention at 9am and we were off are we

866

00:38:35,300 --> 00:38:33,030

were lucky enough to have the esteemed

867

00:38:39,830 --> 00:38:35,310

George harbor emcee the event bringing

868

00:38:42,670 --> 00:38:39,840

humor in between talks the keynote

869

00:38:45,050 --> 00:38:42,680

speech was up first given by Dick Smith

870

00:38:46,940 --> 00:38:45,060

entrepreneur businessman political

871

00:38:50,540 --> 00:38:46,950

activist and one of the founders of

872

00:38:54,730 --> 00:38:50,550

Australian skeptics dicks topic was is

873

00:38:59,420 --> 00:38:54,740

the human power to self delude unlimited

874

00:39:01,670 --> 00:38:59,430

mmm he covered several issues told us a

875

00:39:03,830 --> 00:39:01,680

few amazing anecdotes about people's

876

00:39:06,650 --> 00:39:03,840

ability to rafal involving missing

877

00:39:09,050 --> 00:39:06,660

planes icebergs and Tasmanian Tigers and

878

00:39:11,140 --> 00:39:09,060

then settled in on discussing an issue

879

00:39:13,730 --> 00:39:11,150

that he cares about passionately our

880

00:39:15,830 --> 00:39:13,740

society's expectation that we can

881

00:39:18,950 --> 00:39:15,840

continue to aim for perpetual growth in

882

00:39:21,230 --> 00:39:18,960

a finite world if you get an opportunity

883

00:39:22,790 --> 00:39:21,240

to head to expect on this topic it will

884

00:39:24,920 --> 00:39:22,800

be presented with a lot of food for

885

00:39:27,470 --> 00:39:24,930

thought regarding the sustainability of

886

00:39:31,340 --> 00:39:27,480

our way of living it was quite an honor

887

00:39:34,460 --> 00:39:31,350

to have him open the convention next up

888

00:39:36,500 --> 00:39:34,470

was dr. Karl if you've heard dr. Kyle

889

00:39:38,060 --> 00:39:36,510

speaking before and I think you might

890

00:39:40,520 --> 00:39:38,070

actually have heard him earlier in this

891

00:39:43,190 --> 00:39:40,530

episode talking with Maynard you'll be

892

00:39:46,370 --> 00:39:43,200

familiar with his style he gave a high

893

00:39:49,820 --> 00:39:46,380

post presentation speaking on a trip to

894

00:39:51,950 --> 00:39:49,830

the Antarctic the view from the ISS cute

895

00:39:55,640 --> 00:39:51,960

ways to calculate appropriate tips for

896

00:39:59,300 --> 00:39:55,650

service staff using pi Texan cowgirls

897

00:40:01,550 --> 00:39:59,310

for Jesus for open carry barbed wire his

898

00:40:05,570 --> 00:40:01,560

recent journey across route 66 and trip

899

00:40:07,850 --> 00:40:05,580

to town US senators Cobb sheets an app

900

00:40:11,260 --> 00:40:07,860

for home delivery medicinal marijuana in

901
00:40:13,400 --> 00:40:11,270
Vegas Sarah Palin fruit play research

902
00:40:16,640 --> 00:40:13,410
popularly held beliefs which aren't

903
00:40:18,590 --> 00:40:16,650
scientifically supported and somehow he

904
00:40:20,720 --> 00:40:18,600
managed to link it all back to a common

905
00:40:23,480 --> 00:40:20,730
theme he's like the Eddie is out of

906
00:40:25,070 --> 00:40:23,490
science communication it's always a

907
00:40:26,900 --> 00:40:25,080
pleasure to see him and I find his

908
00:40:29,650 --> 00:40:26,910
enthusiasm for information and

909
00:40:32,630 --> 00:40:29,660
communication contagious

910
00:40:35,360 --> 00:40:32,640
the next talk was given by a astronomer

911
00:40:38,390 --> 00:40:35,370
Amanda Bauer who is Astro pixie on

912
00:40:40,430 --> 00:40:38,400
Twitter she spoke on the eventual

913
00:40:42,710 --> 00:40:40,440

collision of Andromeda and the Milky Way

914

00:40:45,080 --> 00:40:42,720

and she sewed some recently created

915

00:40:48,640 --> 00:40:45,090

video of how this is likely to play out

916

00:40:51,260 --> 00:40:48,650

and the visualization was sensational

917

00:40:53,120 --> 00:40:51,270

then the first life skeptics guide to

918

00:40:56,210 --> 00:40:53,130

the universe recording of the convention

919

00:40:58,610 --> 00:40:56,220

now if you're an SGU listener you should

920

00:41:00,530 --> 00:40:58,620

really enjoy this one the gastric was

921

00:41:05,360 --> 00:41:00,540

none other than our very own Richard

922

00:41:07,910 --> 00:41:05,370

Saunders after lunch Joanne been amoo

923

00:41:10,730 --> 00:41:07,920

presented the Australian skeptics annual

924

00:41:13,370 --> 00:41:10,740

awards are we gave a rundown of the

925

00:41:15,530 --> 00:41:13,380

nominees for the 2014 bent spoon award a

926
00:41:17,240 --> 00:41:15,540
few weeks ago here on the zone and I've

927
00:41:20,330 --> 00:41:17,250
been waiting with anticipation for the

928
00:41:22,580 --> 00:41:20,340
announcement the bent spoon award is

929
00:41:24,200 --> 00:41:22,590
presented annually to the perpetrator of

930
00:41:27,310 --> 00:41:24,210
the most preposterous piece of

931
00:41:29,630 --> 00:41:27,320
paranormal or pseudo scientific people

932
00:41:32,540 --> 00:41:29,640
there were many worthy contenders but

933
00:41:35,030 --> 00:41:32,550
the clear winner this year was dr. Larry

934
00:41:38,360 --> 00:41:35,040
Marshall nearly appointed head of the

935
00:41:40,820 --> 00:41:38,370
CSIRO for his statements regarding his

936
00:41:43,220 --> 00:41:40,830
perception that water divining can be

937
00:41:45,650 --> 00:41:43,230
around eighty percent effective and that

938
00:41:47,840 --> 00:41:45,660

the CSIRO could pursue research into

939

00:41:53,840 --> 00:41:47,850

divining to aid the nation's agriculture

940

00:41:56,120 --> 00:41:53,850

sector more heartening was the skeptic

941

00:41:58,820 --> 00:41:56,130

of the Year award which went to bloggers

942

00:42:00,860 --> 00:41:58,830

reasonable Hank for his tireless efforts

943

00:42:03,380 --> 00:42:00,870

exposing and publicizing non

944

00:42:06,200 --> 00:42:03,390

evidence-based chiropractic practices in

945

00:42:07,810 --> 00:42:06,210

Australia it was an absolute delight to

946

00:42:10,280 --> 00:42:07,820

see him recognized for his hard work

947

00:42:12,290 --> 00:42:10,290

unfortunately he was unable to attend

948

00:42:14,480 --> 00:42:12,300

the convention to accept the award but

949

00:42:16,250 --> 00:42:14,490

Ken MacLeod from stop the avn accepted

950

00:42:19,940 --> 00:42:16,260

it on his behalf and read a lovely

951
00:42:22,190 --> 00:42:19,950
speech from Hank finally the thor net

952
00:42:24,320 --> 00:42:22,200
award for the promotion of reason named

953
00:42:26,990 --> 00:42:24,330
for the Tasmanian skeptic of Fred Thor

954
00:42:29,210 --> 00:42:27,000
net I was so wonderful to see it awarded

955
00:42:33,860 --> 00:42:29,220
to the amazing people from the Northern

956
00:42:35,870 --> 00:42:33,870
Rivers vaccination supporters the next

957
00:42:38,180 --> 00:42:35,880
event of the convention was a consumer

958
00:42:40,790 --> 00:42:38,190
protection panel featuring Julianne

959
00:42:41,830 --> 00:42:40,800
Moore Oh Kirsten Drysdale and Chesley

960
00:42:44,530 --> 00:42:41,840
cadela of

961
00:42:47,770 --> 00:42:44,540
ABC's check out and the chaser Alan

962
00:42:49,660 --> 00:42:47,780
Kirkland CEO of choice and Delia Rickard

963
00:42:51,100 --> 00:42:49,670

Deputy Chair of the Australian

964

00:42:54,400 --> 00:42:51,110

Competition and Consumer Commission

965

00:42:56,320 --> 00:42:54,410

that's the HR will see the panel was

966

00:42:58,870 --> 00:42:56,330

moderated by Michael Marshall of

967

00:43:02,430 --> 00:42:58,880

Merseyside skeptics QED Khan and host of

968

00:43:05,020 --> 00:43:02,440

the be reasonable podcast from the UK

969

00:43:07,030 --> 00:43:05,030

much did a fantastic job running the

970

00:43:09,190 --> 00:43:07,040

panel and we had a bit of a moment

971

00:43:11,950 --> 00:43:09,200

during the open question session at the

972

00:43:14,380 --> 00:43:11,960

end when a chap introduced himself as a

973

00:43:16,870 --> 00:43:14,390

chiropractor and wanted to know white

974

00:43:18,760 --> 00:43:16,880

choice targeted his profession and

975

00:43:22,180 --> 00:43:18,770

didn't endorse chiropractic as an

976

00:43:23,830 --> 00:43:22,190

evidence-based modality I think that

977

00:43:25,210 --> 00:43:23,840

Alan Kirkland addressed the questioner

978

00:43:27,100 --> 00:43:25,220

as best he could with so little

979

00:43:28,390 --> 00:43:27,110

background information regarding where

980

00:43:31,030 --> 00:43:28,400

he was coming from and what sort of

981

00:43:33,190 --> 00:43:31,040

chiropractic he practiced but then marsh

982

00:43:34,900 --> 00:43:33,200

engaged with the questioner and asked

983

00:43:37,780 --> 00:43:34,910

him whether he subscribed to the

984

00:43:40,330 --> 00:43:37,790

subluxation theory and the like it was a

985

00:43:42,520 --> 00:43:40,340

really interesting moment little was

986

00:43:44,470 --> 00:43:42,530

made clear by the chiropractor but Marsh

987

00:43:46,570 --> 00:43:44,480

gave us an excellent example on how to

988

00:43:48,850 --> 00:43:46,580

politely question somebody in a somewhat

989

00:43:50,500 --> 00:43:48,860

tense situation in which claims are

990

00:43:52,810 --> 00:43:50,510

being made which are not supported by

991

00:43:54,520 --> 00:43:52,820

evidence a school which is very useful

992

00:44:00,100 --> 00:43:54,530

for those of us who wish to publicly

993

00:44:02,410 --> 00:44:00,110

engage as skeptics after a break there

994

00:44:05,590 --> 00:44:02,420

was a talk by our own dr. Rachel Dunlop

995

00:44:07,300 --> 00:44:05,600

on open access publishing which several

996

00:44:08,650 --> 00:44:07,310

young academics approaching a stage in

997

00:44:09,970 --> 00:44:08,660

their careers where they were ready to

998

00:44:11,800 --> 00:44:09,980

begin submitting their work for

999

00:44:15,960 --> 00:44:11,810

publication taught me that they found

1000

00:44:18,900 --> 00:44:15,970

incredibly useful next Kendrick Fraser

1001
00:44:21,550 --> 00:44:18,910
editor of skeptical Inquirer author

1002
00:44:23,890 --> 00:44:21,560
fellow of the American Association for

1003
00:44:26,470 --> 00:44:23,900
the Advancement of science and CSI

1004
00:44:28,720 --> 00:44:26,480
council member and fellow and he gave us

1005
00:44:31,150 --> 00:44:28,730
an outline on the history of organized

1006
00:44:34,210 --> 00:44:31,160
skepticism in the US and the news on

1007
00:44:36,460 --> 00:44:34,220
where things are at today and finally

1008
00:44:39,190 --> 00:44:36,470
the last talk of the day was from George

1009
00:44:42,400 --> 00:44:39,200
her AB changing the tone a little with a

1010
00:44:46,120 --> 00:44:42,410
talk titled unbelief and grief thinking

1011
00:44:48,430 --> 00:44:46,130
critically about loss and mourning as you

1012
00:44:50,950 --> 00:44:48,440
pointed out and skeptical circles we do

1013
00:44:52,660 --> 00:44:50,960

tend to focus on the rational and where

1014

00:44:55,420 --> 00:44:52,670

does that leave us as a subculture when

1015

00:44:57,099 --> 00:44:55,430

dealing with the emotional side of life

1016

00:44:58,720 --> 00:44:57,109

it was a heck of a talk a little

1017

00:45:00,849 --> 00:44:58,730

difficult but he did incredibly well

1018

00:45:04,569 --> 00:45:00,859

with it and I creditors courage in

1019

00:45:06,130 --> 00:45:04,579

tackling such a personal issue I'm going

1020

00:45:08,020 --> 00:45:06,140

to leave it there for the moment this

1021

00:45:09,730 --> 00:45:08,030

report will continue next week and I'll

1022

00:45:11,559 --> 00:45:09,740

talk about the dinner event Sunday's

1023

00:45:29,859 --> 00:45:11,569

talks and my impressions of the

1024

00:45:34,130 --> 00:45:32,390

thank you for listening to the skeptic

1025

00:45:36,980 --> 00:45:34,140

zone in the coming week so much more

1026
00:45:39,530 --> 00:45:36,990
from Maynard map the National Convention

1027
00:45:41,300 --> 00:45:39,540
chatting to all sorts of people goes on

1028
00:45:44,300 --> 00:45:41,310
and on on what a catalog a back

1029
00:45:46,160 --> 00:45:44,310
catalogue coming your way and some more

1030
00:45:48,560 --> 00:45:46,170
from Joe alabaster about her thoughts on

1031
00:45:52,880 --> 00:45:48,570
the convention and some more from me

1032
00:45:55,130 --> 00:45:52,890
about my adventures over the past week

1033
00:45:59,330 --> 00:45:55,140
with James Randi what it's like to tour

1034
00:46:02,180 --> 00:45:59,340
with the amazing Randi well it was

1035
00:46:04,520 --> 00:46:02,190
amazing until then this is Richard

1036
00:46:10,550 --> 00:46:04,530
Saunders signing off from Sydney

1037
00:46:15,260 --> 00:46:10,560
Australia you've been listening to the

1038
00:46:19,070 --> 00:46:15,270

skeptic zone visit our website at www