

Episode **560**

THE  
**SKEPTIC  
ZONE**  
PODCAST

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14 July 2019

The Skeptic Zone Podcast



*Dr Karl & Maynard*

Episode **560** - 14 July 2019

A Maynard Special  
"Giant Leap" Man on the Moon  
50th anniversary  
at the Casula Powerhose

Maynard at Skeptics in the Pub  
with Dr Karl and Pubbers



1  
00:00:12,670 --> 00:00:09,910  
welcome to the skeptic zone the podcast

2  
00:00:14,740 --> 00:00:12,680  
from Australia for science and reason

3  
00:00:24,270 --> 00:00:14,750  
[Music]

4  
00:00:32,040 --> 00:00:26,820  
yes it's the skeptic zone podcast

5  
00:00:35,180 --> 00:00:32,050  
episode number 564 the 14th of july 2019

6  
00:00:38,460 --> 00:00:35,190  
richardsaunders here with you from windy

7  
00:00:42,390 --> 00:00:38,470  
overcast cold Sydney Australia

8  
00:00:43,799 --> 00:00:42,400  
Oh jetlag is a wonderful thing when you

9  
00:00:47,250 --> 00:00:43,809  
come back to Australia because you get

10  
00:00:49,590 --> 00:00:47,260  
up nice and early to do lots of work on

11  
00:00:50,250 --> 00:00:49,600  
the podcast coming up on this week's

12  
00:00:53,969 --> 00:00:50,260  
show

13  
00:00:55,890 --> 00:00:53,979

it's a Maynard special it's really I'm

14

00:00:58,380 --> 00:00:55,900

giving the whole show over to Maynard

15

00:01:00,780 --> 00:00:58,390

this week Thank You Mae none for

16

00:01:03,600 --> 00:01:00,790

stepping in and doing lots of work while

17

00:01:06,240 --> 00:01:03,610

I was away may not kicks off the show

18

00:01:08,700 --> 00:01:06,250

this week with an interview with Jenny

19

00:01:09,469 --> 00:01:08,710

Cheeseman from the cashew la power house

20

00:01:12,420 --> 00:01:09,479

now

21

00:01:14,250 --> 00:01:12,430

Maynard I are no strangers to the khushu

22

00:01:18,890 --> 00:01:14,260

love power house and many other skeptics

23

00:01:23,039 --> 00:01:18,900

as well we go there every year for the

24

00:01:23,700 --> 00:01:23,049

paranormal and spiritual Expo who this

25

00:01:25,950 --> 00:01:23,710

time

26  
00:01:28,500 --> 00:01:25,960  
however I'm pleased to say more or less

27  
00:01:31,350 --> 00:01:28,510  
the power house has been given over to

28  
00:01:33,660 --> 00:01:31,360  
real science they have an exhibition

29  
00:01:35,880 --> 00:01:33,670  
called giant leap or revolving around

30  
00:01:38,760 --> 00:01:35,890  
the 50th anniversary of the moon

31  
00:01:41,460 --> 00:01:38,770  
landings moon memorabilia moon memories

32  
00:01:45,240 --> 00:01:41,470  
and some ancient myths thrown in along

33  
00:01:46,560 --> 00:01:45,250  
the way sort of cultural references to

34  
00:01:47,580 --> 00:01:46,570  
the moon sounds like a fascinating

35  
00:01:49,530 --> 00:01:47,590  
exhibition

36  
00:01:51,960 --> 00:01:49,540  
I hope may not and I can get out there

37  
00:01:53,760 --> 00:01:51,970  
and see it for ourselves nevertheless

38  
00:01:55,800 --> 00:01:53,770

this interview with Jenny Cheeseman

39

00:01:57,720 --> 00:01:55,810

should have whet your appetite following

40

00:02:00,899 --> 00:01:57,730

that may not heads to skeptics in the

41

00:02:05,160 --> 00:02:00,909

pub and he asks the big question a big

42

00:02:09,419 --> 00:02:05,170

question of pub goers why do people take

43

00:02:13,309 --> 00:02:09,429

advice from celebrities / scientists

44

00:02:15,930 --> 00:02:13,319

from what I understand it was a pact

45

00:02:17,789 --> 00:02:15,940

skeptics in the pub because the guest

46

00:02:21,000 --> 00:02:17,799

speaker was none other than dr. Kyle

47

00:02:22,890 --> 00:02:21,010

Cruz Ole Miss key and after Maynard runs

48

00:02:25,589 --> 00:02:22,900

around with his microphone talking to

49

00:02:28,460 --> 00:02:25,599

pub goers may not interviews dr. Karl

50

00:02:31,230 --> 00:02:28,470

and I think you'll agree it is a

51  
00:02:33,630 --> 00:02:31,240  
wide-ranging interview many topics

52  
00:02:34,710 --> 00:02:33,640  
covered following that a short excerpt

53  
00:02:36,810 --> 00:02:34,720  
from

54  
00:02:38,880 --> 00:02:36,820  
Carles talk where he takes a question

55  
00:02:41,490 --> 00:02:38,890  
from none other than trish Han our

56  
00:02:42,840 --> 00:02:41,500  
reporter vice-president of Australian

57  
00:02:44,520 --> 00:02:42,850  
skeptics now reported here on the

58  
00:02:46,440 --> 00:02:44,530  
sceptic zone with her segment Trish and

59  
00:02:49,830 --> 00:02:46,450  
chips then to round off that whole

60  
00:02:52,350 --> 00:02:49,840  
segment we have Iran Segev giving us an

61  
00:02:54,960 --> 00:02:52,360  
update on the Britt Hermes case Britt

62  
00:02:58,550 --> 00:02:54,970  
Hermes you will remember was a former

63  
00:03:02,970 --> 00:02:58,560

naturopath who well saw the light I

64

00:03:05,610 --> 00:03:02,980

suppose you'd say and was sued for her

65

00:03:08,040 --> 00:03:05,620

opinions what's the latest on Britt's

66

00:03:10,080 --> 00:03:08,050

legal case find out later on with rants

67

00:03:13,020 --> 00:03:10,090

again and right at the end of the show

68

00:03:18,120 --> 00:03:13,030

find out how you can help secure the

69

00:03:20,790 --> 00:03:18,130

future of a fossilized opalized dinosaur

70

00:03:22,949 --> 00:03:20,800

from Australia now before we get into

71

00:03:25,080 --> 00:03:22,959

the show a brief moment from me to talk

72

00:03:27,780 --> 00:03:25,090

about my memories of the moon landing I

73

00:03:31,530 --> 00:03:27,790

was very young at the time let me see I

74

00:03:34,260 --> 00:03:31,540

would not have been for almost for

75

00:03:36,810 --> 00:03:34,270

something like that very young and my

76

00:03:38,160 --> 00:03:36,820

vague vague vague memories are of

77

00:03:42,120 --> 00:03:38,170

sitting in front of the television

78

00:03:44,940 --> 00:03:42,130

watching the astronauts jumping up and

79

00:03:48,090 --> 00:03:44,950

down on the moon now here's the thing I

80

00:03:52,470 --> 00:03:48,100

don't know if I'm remembering the actual

81

00:03:56,820 --> 00:03:52,480

broadcast or if I'm remembering watching

82

00:03:58,740 --> 00:03:56,830

the home movies my dad took pointing the

83

00:04:03,330 --> 00:03:58,750

camera at the television of the

84

00:04:05,640 --> 00:04:03,340

astronauts on the moon I can't say but

85

00:04:09,270 --> 00:04:05,650

somewhere in the Saunders archives are

86

00:04:12,990 --> 00:04:09,280

my father's home movies taken in 1969

87

00:04:14,640 --> 00:04:13,000

taken 50 years ago in Canada as it

88

00:04:17,520 --> 00:04:14,650

happens that's where we were living at

89

00:04:21,000 --> 00:04:17,530

the time when Neil Armstrong set foot

90

00:04:23,040 --> 00:04:21,010

upon the moon and what a bizarre world

91

00:04:26,159 --> 00:04:23,050

we live in when years and years and

92

00:04:30,570 --> 00:04:26,169

years and decades later the moon

93

00:04:33,630 --> 00:04:30,580

landings were faked nonsense sprung up

94

00:04:36,540 --> 00:04:33,640

around the world and there are still

95

00:04:39,330 --> 00:04:36,550

people to this day who are convinced

96

00:04:41,310 --> 00:04:39,340

that the moon landings were faked I know

97

00:04:43,600 --> 00:04:41,320

some of them and more recently we've

98

00:04:46,240 --> 00:04:43,610

seen the rise of the Flat Earth move

99

00:04:50,110 --> 00:04:46,250

with thousands of young people

100

00:04:52,510 --> 00:04:50,120

especially now firmly believing that the

101

00:04:55,059 --> 00:04:52,520

world is flat and that we've been lied

102

00:04:57,309 --> 00:04:55,069

to all these years and NASA is full of

103

00:04:59,679 --> 00:04:57,319

lies and producing fake videos of they

104

00:05:04,029 --> 00:04:59,689

around Earth I guess it's up to all of

105

00:05:09,249 --> 00:05:04,039

us to try and step out these bizarre and

106

00:05:10,929 --> 00:05:09,259

crazy and false beliefs now you might

107

00:05:17,439 --> 00:05:10,939

hear a cat at the door I better open the

108

00:05:23,589 --> 00:05:17,449

door yes you're not going to come into

109

00:05:34,240 --> 00:05:23,599

the studio I've opened the yeah I hope

110

00:05:37,300 --> 00:05:34,250

the door you gonna come in any water why

111

00:05:38,649 --> 00:05:37,310

is it the cat's meow and meow and when

112

00:05:40,990 --> 00:05:38,659

you open the door they sort of look at

113

00:05:45,670 --> 00:05:41,000

you saying yes what do you want hello

114

00:05:48,159 --> 00:05:45,680

you've come in come on haven't seen you

115

00:05:50,010 --> 00:05:48,169

for a long time you're going to say

116

00:05:55,029 --> 00:05:50,020

something to the skeptic zone listeners

117

00:06:00,339 --> 00:05:55,039

um probably not all right off you go

118

00:06:01,899 --> 00:06:00,349

I'll feed you your breakfast soon that's

119

00:06:03,430 --> 00:06:01,909

what I should do folks well I run

120

00:06:05,980 --> 00:06:03,440

downstairs to feed those catch their

121

00:06:07,150 --> 00:06:05,990

breakfast I hope you enjoy the skipper

122

00:06:20,710 --> 00:06:07,160

exam

123

00:06:20,720 --> 00:06:25,220

[Music]

124

00:06:29,370 --> 00:06:27,510

ladies gentlemen listeners to the

125

00:06:31,740 --> 00:06:29,380

skeptic zone sure it was a great thing

126

00:06:33,420 --> 00:06:31,750

to put three guys on the moon repeatedly

127

00:06:35,010 --> 00:06:33,430

and bring them safely back to earth but

128

00:06:37,170 --> 00:06:35,020

they never put a whole museum on the

129

00:06:39,120 --> 00:06:37,180

moon particularly full of children with

130

00:06:40,800 --> 00:06:39,130

wearing Kellogg's packets on their heads

131

00:06:43,590 --> 00:06:40,810

and things like that that's going to be

132

00:06:45,720 --> 00:06:43,600

happening and a lot lot lot more at the

133

00:06:47,100 --> 00:06:45,730

Casula powerhouse all this month effect

134

00:06:50,070 --> 00:06:47,110

it's happening right now I have the code

135

00:06:52,140 --> 00:06:50,080

curator of giant sleep ginny Cheeseman

136

00:06:54,240 --> 00:06:52,150

on the phone hello Jenny hello how are

137

00:06:57,060 --> 00:06:54,250

you must be pretty excited there because

138

00:06:58,950 --> 00:06:57,070

it's very rarely that the entire Casilla

139

00:07:02,100 --> 00:06:58,960

power house gets given over to just one

140

00:07:04,470 --> 00:07:02,110

thing that's right yes it doesn't happen

141

00:07:08,130 --> 00:07:04,480

very often but every use every space is

142

00:07:10,680 --> 00:07:08,140

being utilized so that people can enjoy

143

00:07:13,680 --> 00:07:10,690

and concede oh I guess the momentous

144

00:07:15,810 --> 00:07:13,690

occasion of the first humans on the moon

145

00:07:17,400 --> 00:07:15,820

yes in some of the publicity ever sent

146

00:07:19,140 --> 00:07:17,410

out you said it might be the last time

147

00:07:22,470 --> 00:07:19,150

everybody agreed with something big the

148

00:07:23,820 --> 00:07:22,480

Americans did that's right yes I guess

149

00:07:25,050 --> 00:07:23,830

you could argue that one but yeah you're

150

00:07:27,330 --> 00:07:25,060

right they would they would they were

151  
00:07:28,890 --> 00:07:27,340  
dissenting voices but imagine if Trump

152  
00:07:30,960 --> 00:07:28,900  
tried to do that now even it was a good

153  
00:07:32,490 --> 00:07:30,970  
thing he'd get complaints I'm sure he

154  
00:07:34,230 --> 00:07:32,500  
would yes are we talking about how many

155  
00:07:36,450 --> 00:07:34,240  
dollars I think we're going into at this

156  
00:07:39,300 --> 00:07:36,460  
time I think and you've got artifacts

157  
00:07:41,880 --> 00:07:39,310  
and photos from the original mission is

158  
00:07:44,160 --> 00:07:41,890  
that correct yeah I guess the reason we

159  
00:07:45,960 --> 00:07:44,170  
put this exhibition together was you

160  
00:07:47,340 --> 00:07:45,970  
know everyone is under the same moon we

161  
00:07:48,450 --> 00:07:47,350  
all have a relationship with the moon

162  
00:07:51,240 --> 00:07:48,460  
and some people have different

163  
00:07:53,130 --> 00:07:51,250

relationships and others and we wanted

164

00:07:56,280 --> 00:07:53,140

to consider that event where people

165

00:07:58,710 --> 00:07:56,290

walked on the moon and but also people's

166

00:08:00,240 --> 00:07:58,720

ongoing relationship so one of the

167

00:08:02,910 --> 00:08:00,250

things we did was ask people if they had

168

00:08:05,400 --> 00:08:02,920

any memorabilia or what their memories

169

00:08:06,690 --> 00:08:05,410

were of the moon landing and we've got

170

00:08:10,310 --> 00:08:06,700

things that people have hung on to for

171

00:08:12,960 --> 00:08:10,320

50 years the front covers of newspapers

172

00:08:14,880 --> 00:08:12,970

project books maybe window or 10 so

173

00:08:17,640 --> 00:08:14,890

obviously they're now 60 you know things

174

00:08:19,710 --> 00:08:17,650

like that so which has really fun we

175

00:08:22,050 --> 00:08:19,720

interviewed some of our local residents

176

00:08:25,230 --> 00:08:22,060

and asked them where they were and who

177

00:08:28,890 --> 00:08:25,240

they were with and you know they all

178

00:08:30,930 --> 00:08:28,900

recollect that event quite clearly even

179

00:08:32,820 --> 00:08:30,940

50 years later and remember who they are

180

00:08:34,680 --> 00:08:32,830

with me I can remember being stuck in

181

00:08:36,120 --> 00:08:34,690

kindergarten and made to watch it on a

182

00:08:36,759 --> 00:08:36,130

very very small black and white

183

00:08:38,319 --> 00:08:36,769

television

184

00:08:42,069 --> 00:08:38,329

which seemed rather modern and exciting

185

00:08:44,139 --> 00:08:42,079

at the time yeah I bet you were a really

186

00:08:46,600 --> 00:08:44,149

long way away from it as well yeah I was

187

00:08:48,429 --> 00:08:46,610

at the back as usual going what who what

188

00:08:50,319 --> 00:08:48,439

what is that on the television yes but

189

00:08:51,939 --> 00:08:50,329

everybody seems to remember that I seem

190

00:08:53,979 --> 00:08:51,949

to have this weird vague memory that it

191

00:08:55,629 --> 00:08:53,989

was bright burnt orange which was very

192

00:08:58,389 --> 00:08:55,639

modern for the time for a television to

193

00:08:59,919 --> 00:08:58,399

be coming oh yeah what are them to be a

194

00:09:01,840 --> 00:08:59,929

thing of the sixties of that color

195

00:09:03,729 --> 00:09:01,850

though oh yeah I think pie made

196

00:09:06,189 --> 00:09:03,739

televisions like that as well well but

197

00:09:07,929 --> 00:09:06,199

what dumb is one of the more unexpected

198

00:09:12,699 --> 00:09:07,939

things you on earth when you ask people

199

00:09:14,019 --> 00:09:12,709

in the local area to contribute I think

200

00:09:15,189 --> 00:09:14,029

just some of the memorabilia that people

201  
00:09:17,759 --> 00:09:15,199  
have hung on to you know there's an

202  
00:09:20,289 --> 00:09:17,769  
ashtray there's a medallion

203  
00:09:22,569 --> 00:09:20,299  
there's certificates that said that they

204  
00:09:24,789 --> 00:09:22,579  
were witness to the event one of the

205  
00:09:26,710 --> 00:09:24,799  
people got his mum to sign that he

206  
00:09:29,289 --> 00:09:26,720  
witnessed she was the witness to him

207  
00:09:31,780 --> 00:09:29,299  
witnessing the moon landings so which is

208  
00:09:33,160 --> 00:09:31,790  
a bit of fun you know so yeah what do

209  
00:09:36,609 --> 00:09:33,170  
you think is the most valuable thing in

210  
00:09:39,280 --> 00:09:36,619  
the exhibit look it's probably that

211  
00:09:41,379 --> 00:09:39,290  
artwork that people have contributed so

212  
00:09:44,350 --> 00:09:41,389  
the other exhibitions in the other five

213  
00:09:46,299 --> 00:09:44,360

spaces yeah yes cuz use is there six

214

00:09:48,369 --> 00:09:46,309

spaces being taken up I actually never

215

00:09:49,960 --> 00:09:48,379

counted how many exposures but in total

216

00:09:51,309 --> 00:09:49,970

there because you've got a lot we're

217

00:09:53,160 --> 00:09:51,319

actually taking over other little bits

218

00:09:56,139 --> 00:09:53,170

and pieces as well so even our little

219

00:09:59,319 --> 00:09:56,149

our feeder foil we're taking that over

220

00:10:01,859 --> 00:09:59,329

for to present some works that Liverpool

221

00:10:04,389 --> 00:10:01,869

public school have done in stop-motion

222

00:10:06,160 --> 00:10:04,399

wow traveling to the moon so that's

223

00:10:08,559 --> 00:10:06,170

being taken over that little space as

224

00:10:10,780 --> 00:10:08,569

well but yeah in each of the gallery

225

00:10:12,220 --> 00:10:10,790

spaces there's something related to the

226  
00:10:16,239 --> 00:10:12,230  
moon so they've all got different themes

227  
00:10:18,129 --> 00:10:16,249  
we've got a really large installation by

228  
00:10:20,590 --> 00:10:18,139  
an artist named Lisa salmon her

229  
00:10:23,100 --> 00:10:20,600  
exhibition is called high loom and it's

230  
00:10:28,299 --> 00:10:23,110  
five meter screens there's five of those

231  
00:10:31,210 --> 00:10:28,309  
plus objects and light and shadow that

232  
00:10:33,609 --> 00:10:31,220  
she's playing with and it's she calls it

233  
00:10:36,009 --> 00:10:33,619  
like a dance between the planets and the

234  
00:10:38,559 --> 00:10:36,019  
solar system well that sounds quite cool

235  
00:10:40,059 --> 00:10:38,569  
no I'm not should people allocate in

236  
00:10:41,679 --> 00:10:40,069  
time because it sounds like there's a

237  
00:10:42,789 --> 00:10:41,689  
lot you've got to get through there you

238  
00:10:44,980 --> 00:10:42,799

couldn't get through all of it in an

239

00:10:47,139 --> 00:10:44,990

hour could you use a lot to look at no I

240

00:10:48,819 --> 00:10:47,149

think come out for the come out for the

241

00:10:50,010 --> 00:10:48,829

day there's lots of days where there's

242

00:10:52,290 --> 00:10:50,020

extra things happening

243

00:10:54,389 --> 00:10:52,300

well so the the launch on the 20th of

244

00:10:58,440 --> 00:10:54,399

July is one of those where there's music

245

00:11:00,540 --> 00:10:58,450

and performance and talks and the

246

00:11:02,250 --> 00:11:00,550

MacArthur Astronomical Society of

247

00:11:03,660 --> 00:11:02,260

bringing their telescope so we can

248

00:11:07,380 --> 00:11:03,670

actually look at the moon later in the

249

00:11:09,840 --> 00:11:07,390

night but yeah I would allocate a good

250

00:11:12,810 --> 00:11:09,850

amount of time and we also have the

251  
00:11:14,490 --> 00:11:12,820  
Billboard Cafe so you know you can go

252  
00:11:16,590 --> 00:11:14,500  
and have something to eat and then keep

253  
00:11:18,269 --> 00:11:16,600  
going if you like yeah looking if it's

254  
00:11:20,130 --> 00:11:18,279  
not too cold you can sit outside there

255  
00:11:21,570 --> 00:11:20,140  
that's beautiful out there next to the

256  
00:11:24,660 --> 00:11:21,580  
Georges River we've got really nice

257  
00:11:27,060 --> 00:11:24,670  
we're in a great location here and still

258  
00:11:28,590 --> 00:11:27,070  
you are in a fantastic location and

259  
00:11:30,420 --> 00:11:28,600  
there's no rumors of you being shipped

260  
00:11:31,740 --> 00:11:30,430  
off to anywhere else either so I'm glad

261  
00:11:33,990 --> 00:11:31,750  
that you feel the powerhouse are still

262  
00:11:36,810 --> 00:11:34,000  
there we're still saying yes and look

263  
00:11:39,750 --> 00:11:36,820

you've got Jamie Leonardo doing a moon

264

00:11:41,340 --> 00:11:39,760

disc there's a moon disco going on and

265

00:11:42,810 --> 00:11:41,350

what I want to know is the kids are

266

00:11:45,000 --> 00:11:42,820

going to make stuff out of recycled

267

00:11:49,050 --> 00:11:45,010

items and I want to know the best way to

268

00:11:50,940 --> 00:11:49,060

make a recycled spaceship look yeah look

269

00:11:54,690 --> 00:11:50,950

I'm leading that up to our public

270

00:11:57,000 --> 00:11:54,700

programs team and that sort of thing so

271

00:11:59,100 --> 00:11:57,010

it's the last day last weekend of the

272

00:12:02,220 --> 00:11:59,110

school holiday so you know we're

273

00:12:04,410 --> 00:12:02,230

inviting kids to come along between four

274

00:12:06,720 --> 00:12:04,420

and six to make some sort of space bling

275

00:12:09,240 --> 00:12:06,730

to wear to the disco that goes from 6 to

276

00:12:11,340 --> 00:12:09,250

7:30 which they'll make a whole bunch of

277

00:12:13,050 --> 00:12:11,350

aliens - yeah look I'm sure there'll be

278

00:12:15,240 --> 00:12:13,060

lots of alfoil that's what I'm guessing

279

00:12:16,710 --> 00:12:15,250

I think so I've been trying to figure

280

00:12:19,069 --> 00:12:16,720

out the helmet thing the whole fish ball

281

00:12:21,690 --> 00:12:19,079

thing doesn't really work anymore at Fox

282

00:12:23,340 --> 00:12:21,700

yeah yeah oh my go with the old

283

00:12:25,350 --> 00:12:23,350

Kellogg's cornflakes packet with the

284

00:12:27,870 --> 00:12:25,360

flat cap Oh head over to the front yeah

285

00:12:29,940 --> 00:12:27,880

like that idea - we're in one of the

286

00:12:31,590 --> 00:12:29,950

spaces we've got some of the artists are

287

00:12:34,410 --> 00:12:31,600

responding to the idea of being an

288

00:12:38,819 --> 00:12:34,420

astronaut so yeah lots of emotions they

289

00:12:40,319 --> 00:12:38,829

come up with one of them has come up

290

00:12:42,360 --> 00:12:40,329

with you know what it would be like if

291

00:12:45,120 --> 00:12:42,370

your family flew to the moon so he's

292

00:12:47,160 --> 00:12:45,130

made space couches where each seat is

293

00:12:49,340 --> 00:12:47,170

actually molded to the astronaut's body

294

00:12:54,000 --> 00:12:49,350

so they're molded to his family's bodies

295

00:12:56,310 --> 00:12:54,010

and and that's Adam Norton so he's

296

00:12:58,290 --> 00:12:56,320

created those space couches I think Adam

297

00:13:00,180 --> 00:12:58,300

noted as done double duty there it's

298

00:13:01,949 --> 00:13:00,190

actually made a Christmas present for

299

00:13:02,940 --> 00:13:01,959

his family and an installation at the

300

00:13:05,100 --> 00:13:02,950

same time

301

00:13:07,770 --> 00:13:05,110

right yes it's a bit of fun I think yes

302

00:13:10,140 --> 00:13:07,780

and and that's so free to get into is it

303

00:13:12,570 --> 00:13:10,150

or no this is it yes it is yeah so

304

00:13:14,700 --> 00:13:12,580

there's a couple of events that are paid

305

00:13:18,300 --> 00:13:14,710

events one of those is really exciting

306

00:13:22,500 --> 00:13:18,310

it's a Jeff stuff doing his David Bowie

307

00:13:24,810 --> 00:13:22,510

unzipped performance I've seen that and

308

00:13:25,950 --> 00:13:24,820

Jeff stuff in the setting there which be

309

00:13:27,690 --> 00:13:25,960

would might be a little bit more

310

00:13:29,400 --> 00:13:27,700

intimate than usual for Jeff tough

311

00:13:31,620 --> 00:13:29,410

performance I would highly recommend a

312

00:13:33,360 --> 00:13:31,630

great environment to see Jeff and you

313

00:13:36,510 --> 00:13:33,370

know Space Oddity was you know part of

314

00:13:38,130 --> 00:13:36,520

the the moon landing experience so it

315

00:13:41,280 --> 00:13:38,140

was one of the things that was broadcast

316

00:13:43,620 --> 00:13:41,290

just released only I think a week before

317

00:13:45,420 --> 00:13:43,630

the actual moon landing so helped him

318

00:13:47,460 --> 00:13:45,430

rise to fame I think sort of being

319

00:13:48,990 --> 00:13:47,470

linked to the moon landing oh yes and

320

00:13:52,200 --> 00:13:49,000

one of the few recordings that actually

321

00:13:53,490 --> 00:13:52,210

uses a style of phone in it alright that

322

00:13:55,380 --> 00:13:53,500

that sort of buzzing noise in the

323

00:13:57,000 --> 00:13:55,390

background is it actually a keyboard

324

00:13:59,940 --> 00:13:57,010

that's a style of phone with one held

325

00:14:02,400 --> 00:13:59,950

note amazing yes a very strange thing

326

00:14:03,810 --> 00:14:02,410

even in this day actually you're

327

00:14:05,220 --> 00:14:03,820

obviously too young to remember the moon

328

00:14:08,850 --> 00:14:05,230

landings but what do you think of them

329

00:14:11,010 --> 00:14:08,860

retrospectively I think it's really

330

00:14:14,130 --> 00:14:11,020

fascinating I think a deep sort of peak

331

00:14:16,500 --> 00:14:14,140

people's curiosity and vision for the

332

00:14:20,100 --> 00:14:16,510

future as well they start until imagine

333

00:14:21,390 --> 00:14:20,110

things beyond Earth and that where you

334

00:14:23,430 --> 00:14:21,400

actually captured that in one of our

335

00:14:25,620 --> 00:14:23,440

exhibitions as well as called future so

336

00:14:28,110 --> 00:14:25,630

we've got a whole bunch of ex artists

337

00:14:30,720 --> 00:14:28,120

who looking at you know that sixties

338

00:14:34,020 --> 00:14:30,730

aesthetic that influence like posters

339

00:14:35,520 --> 00:14:34,030

and you know imagine space travel and

340

00:14:37,350 --> 00:14:35,530

things like that and imagining what the

341

00:14:39,420 --> 00:14:37,360

world might look like in 50 years time

342

00:14:40,650 --> 00:14:39,430

yes I remember all the books I had that

343

00:14:42,480 --> 00:14:40,660

I've kept from that time everybody

344

00:14:44,130 --> 00:14:42,490

thought there'd be a regular moon base

345

00:14:45,660 --> 00:14:44,140

and we would be well and truly on their

346

00:14:47,610 --> 00:14:45,670

way to Mars by now I guess they just

347

00:14:48,240 --> 00:14:47,620

didn't look at how much it costs that's

348

00:14:50,280 --> 00:14:48,250

right

349

00:14:52,470 --> 00:14:50,290

yeah I thought it would be one of those

350

00:14:54,030 --> 00:14:52,480

you know tours that you just go and look

351  
00:14:55,890 --> 00:14:54,040  
at your travel agent to go to the moon

352  
00:14:57,810 --> 00:14:55,900  
so well you can go to the moon of the

353  
00:14:59,460 --> 00:14:57,820  
Casula powerhouse for all of July

354  
00:15:01,200 --> 00:14:59,470  
journey thank you for chatting to us

355  
00:15:03,300 --> 00:15:01,210  
about this and enjoy the moon

356  
00:15:04,920 --> 00:15:03,310  
disco enjoy everything you've got going

357  
00:15:07,410 --> 00:15:04,930  
on and it's going on right now isn't it

358  
00:15:10,560 --> 00:15:07,420  
so don't miss out people that's right so

359  
00:15:13,160 --> 00:15:10,570  
it's open now but it launches get that

360  
00:15:14,569 --> 00:15:13,170  
made launches on I like

361  
00:15:16,910 --> 00:15:14,579  
I like it you work in the same Jenny

362  
00:15:19,730 --> 00:15:16,920  
like we are we launched on the 20th of

363  
00:15:21,290 --> 00:15:19,740

July from 3 p.m. to 9 p.m. and how long

364

00:15:24,079 --> 00:15:21,300

has it run until is just all this month

365

00:15:26,269 --> 00:15:24,089

are you going into August we we go into

366

00:15:29,120 --> 00:15:26,279

September even so it runs a whole the

367

00:15:31,370 --> 00:15:29,130

7th of September Jenny a giant Li but of

368

00:15:32,569 --> 00:15:31,380

course the web address for the guerilla

369

00:15:35,900 --> 00:15:32,579

powerhouse so you can have a look there

370

00:15:38,030 --> 00:15:35,910

and see exactly what you can see WWE

371

00:15:39,590 --> 00:15:38,040

julep our house calm

372

00:15:49,920 --> 00:15:39,600

Jenny jeez but thank you for chatting to

373

00:15:59,050 --> 00:15:56,640

[Music]

374

00:16:00,340 --> 00:15:59,060

exist

375

00:16:03,620 --> 00:16:00,350

[Music]

376

00:16:06,020 --> 00:16:03,630

yes hey Sam

377

00:16:07,970 --> 00:16:06,030

have you ever wondered what skeptics are

378

00:16:10,310 --> 00:16:07,980

up to in countries where English is not

379

00:16:11,660 --> 00:16:10,320

necessarily the first language or are

380

00:16:13,550 --> 00:16:11,670

you interested to learn about some

381

00:16:16,040 --> 00:16:13,560

fascinating and sometimes very bizarre

382

00:16:17,990 --> 00:16:16,050

Europe related facts events or people

383

00:16:19,430 --> 00:16:18,000

from history of skepticism or do you

384

00:16:21,770 --> 00:16:19,440

just want to know who's been really

385

00:16:24,830 --> 00:16:21,780

wrong lately you can find out all about

386

00:16:29,420 --> 00:16:24,840

that and more on the award-winning show

387

00:16:31,520 --> 00:16:29,430

the ESP the European sceptics podcast so

388

00:16:35,210 --> 00:16:31,530

where can people find the show you can

389

00:16:37,400 --> 00:16:35,220

find it online at the ESP dot EU but you

390

00:16:40,160 --> 00:16:37,410

can also follow us on twitter at es

391

00:16:42,470 --> 00:16:40,170

podcast and d'ascoyne you all like us on

392

00:16:45,470 --> 00:16:42,480

Facebook oh and you can contact the show

393

00:16:47,750 --> 00:16:45,480

by sending an email to info at the ESP

394

00:16:49,880 --> 00:16:47,760

dot EU if you want to subscribe do a

395

00:16:53,120 --> 00:16:49,890

quick search for the European skeptics

396

00:16:55,880 --> 00:16:53,130

podcast on soundcloud iTunes stitcher or

397

00:16:59,720 --> 00:16:55,890

wherever you get your podcast the

398

00:17:02,110 --> 00:16:59,730

European skeptics podcast the real ESP

399

00:17:07,090 --> 00:17:02,120

experience

400

00:17:27,460 --> 00:17:20,260

I don't know how you can believe his may

401  
00:17:32,060 --> 00:17:30,799  
welcome to a very special skeptics in

402  
00:17:34,850 --> 00:17:32,070  
the pub here at the Occidental hotel

403  
00:17:36,020 --> 00:17:34,860  
there's gonna be a lot of carrion here

404  
00:17:37,010 --> 00:17:36,030  
there's gonna be a lot of skeptical

405  
00:17:39,289 --> 00:17:37,020  
thinking there's gonna be a lot of

406  
00:17:41,750 --> 00:17:39,299  
critical thinking and they probably will

407  
00:17:42,710 --> 00:17:41,760  
be a lot of thinking as well as dr. Karl

408  
00:17:44,299 --> 00:17:42,720  
risky

409  
00:17:46,159 --> 00:17:44,309  
we'll be taking questions from the

410  
00:17:48,230 --> 00:17:46,169  
monthly audience here will be getting

411  
00:17:49,640 --> 00:17:48,240  
questions such as why am I still alive

412  
00:17:51,529 --> 00:17:49,650  
what am I doing here

413  
00:17:53,779 --> 00:17:51,539

what is the best bus to take home and

414

00:17:55,190 --> 00:17:53,789

other con nun drums will be sent ease

415

00:17:56,180 --> 00:17:55,200

away I'll be talking to you about

416

00:17:56,810 --> 00:17:56,190

something special which I haven't

417

00:17:57,890 --> 00:17:56,820

thought of yet

418

00:18:00,470 --> 00:17:57,900

and we'll be talking to a few people

419

00:18:02,750 --> 00:18:00,480

here and I monthly skeptics in the pub

420

00:18:05,330 --> 00:18:02,760

may not out let's get into it people we

421

00:18:08,000 --> 00:18:05,340

will be asking the big question why

422

00:18:09,789 --> 00:18:08,010

don't people general people tend to

423

00:18:12,380 --> 00:18:09,799

listen to celebrities more than

424

00:18:14,750 --> 00:18:12,390

scientists or experts in their field

425

00:18:17,539 --> 00:18:14,760

you know like a shift will velvety all

426  
00:18:19,610 --> 00:18:17,549  
about a heart your heart condition where

427  
00:18:22,159 --> 00:18:19,620  
you know unlikely contacts a heart

428  
00:18:24,830 --> 00:18:22,169  
surgeon to ask them about anything or if

429  
00:18:26,750 --> 00:18:24,840  
you've got a cancer problem you talk to

430  
00:18:29,409 --> 00:18:26,760  
someone who's thin on Instagram rather

431  
00:18:30,980 --> 00:18:29,419  
than someone in oncology I don't know

432  
00:18:34,070 --> 00:18:30,990  
why did they do that

433  
00:18:35,480 --> 00:18:34,080  
let's see if we can find out so why do

434  
00:18:36,680 --> 00:18:35,490  
you think people are drawn to them more

435  
00:18:39,169 --> 00:18:36,690  
than someone who should know what

436  
00:18:41,120 --> 00:18:39,179  
they're talking about yeah well I think

437  
00:18:44,029 --> 00:18:41,130  
it's because they're basically in the

438  
00:18:46,820 --> 00:18:44,039

limelight they think that they'll get

439

00:18:49,340 --> 00:18:46,830

the ratings up and I think that it's

440

00:18:51,380 --> 00:18:49,350

good TV but as you said they should

441

00:18:53,090 --> 00:18:51,390

actually get an actual expert news I

442

00:18:54,980 --> 00:18:53,100

mean the experts I mean it's people that

443

00:18:56,120 --> 00:18:54,990

have trained in universities I mean it's

444

00:18:57,770 --> 00:18:56,130

people that have studied and they're the

445

00:19:00,980 --> 00:18:57,780

ones that really know what do you think

446

00:19:02,450 --> 00:19:00,990

it was I think it's easier TVs easy for

447

00:19:05,960 --> 00:19:02,460

people to turn the TV on than going out

448

00:19:07,549 --> 00:19:05,970

and asking questions example is if like

449

00:19:09,140 --> 00:19:07,559

Eurovision is a music thing there's

450

00:19:11,180 --> 00:19:09,150

plenty of musicians in Australia that

451

00:19:13,100 --> 00:19:11,190

can talk about that but they'll get me

452

00:19:14,870 --> 00:19:13,110

or Bob down on to talk about Eurovision

453

00:19:16,580 --> 00:19:14,880

and show we know our stuff but you know

454

00:19:18,560 --> 00:19:16,590

we're not musicians it's just who's in

455

00:19:20,750 --> 00:19:18,570

their contact book you know as a

456

00:19:23,720 --> 00:19:20,760

celebrity I think they can also promote

457

00:19:26,450 --> 00:19:23,730

their either themselves as paleo diet

458

00:19:29,870 --> 00:19:26,460

yeah yeah paleo people he's pushing his

459

00:19:31,700 --> 00:19:29,880

own own agenda which is paying his wages

460

00:19:33,919 --> 00:19:31,710

kind of things

461

00:19:37,310 --> 00:19:33,929

it's the trouble is that you can't

462

00:19:39,620 --> 00:19:37,320

actually debate them about it or pull

463

00:19:41,720 --> 00:19:39,630

pull them up for making something up

464

00:19:43,490 --> 00:19:41,730

because they've got you know they're

465

00:19:45,320 --> 00:19:43,500

it's like a clickbait kind of service

466

00:19:48,889 --> 00:19:45,330

system whether it's like here the more

467

00:19:50,600 --> 00:19:48,899

the headline is controversial where

468

00:19:51,799 --> 00:19:50,610

people want to watch it you know well we

469

00:19:53,299 --> 00:19:51,809

all know you shouldn't take legal advice

470

00:19:55,039 --> 00:19:53,309

from podcast maybe it shouldn't take

471

00:19:57,769 --> 00:19:55,049

advice from morning television in

472

00:19:59,419 --> 00:19:57,779

general yeah thank you quite right there

473

00:20:01,490 --> 00:19:59,429

I think it's just there that has a bit a

474

00:20:04,149 --> 00:20:01,500

lot light-hearted things to get you

475

00:20:06,049 --> 00:20:04,159

going in the morning and that's about it

476

00:20:07,820 --> 00:20:06,059

look and you shouldn't get like

477

00:20:09,620 --> 00:20:07,830

aeronautical advice from Roger ramjet

478

00:20:11,330 --> 00:20:09,630

either because they they go straight

479

00:20:14,960 --> 00:20:11,340

straight 90 degrees up but I'm pretty

480

00:20:16,549 --> 00:20:14,970

sure they can't do that I think you'll

481

00:20:18,260 --> 00:20:16,559

all be pleased to know that the bane of

482

00:20:21,320 --> 00:20:18,270

everybody use the representatives

483

00:20:23,389 --> 00:20:21,330

anything anywhere in this world is

484

00:20:26,090 --> 00:20:23,399

setting up the video projector to play

485

00:20:28,399 --> 00:20:26,100

your computer their files out of it and

486

00:20:29,690 --> 00:20:28,409

dr. Carl is having the usual issue that

487

00:20:30,919 --> 00:20:29,700

just about everybody does when they do

488

00:20:32,180 --> 00:20:30,929

that is that the screen is that the

489

00:20:34,460 --> 00:20:32,190

other screens that the second one is

490

00:20:36,560 --> 00:20:34,470

that connect a bit higher oh oh that's

491

00:20:37,909 --> 00:20:36,570

the wrong file it's it's the world over

492

00:20:39,110 --> 00:20:37,919

there's a matter how many degrees you've

493

00:20:40,490 --> 00:20:39,120

had or how long you've been studying and

494

00:20:42,320 --> 00:20:40,500

how good you are at scientific

495

00:20:43,970 --> 00:20:42,330

communication is always the video

496

00:20:48,230 --> 00:20:43,980

projector that is a hurdle to overcome

497

00:20:50,630 --> 00:20:48,240

in life we're asking why do people take

498

00:20:52,430 --> 00:20:50,640

advice from celebrities over people who

499

00:20:54,430 --> 00:20:52,440

have actually studied the topic a good

500

00:20:57,019 --> 00:20:54,440

example I like is if you're if you're

501  
00:20:58,370 --> 00:20:57,029  
got cancer you maybe go to someone who's

502  
00:21:01,580 --> 00:20:58,380  
thin on Instagram instead of an

503  
00:21:03,560 --> 00:21:01,590  
oncologist yeah so the way I see it with

504  
00:21:05,750 --> 00:21:03,570  
that is that people often aspire to be

505  
00:21:08,330 --> 00:21:05,760  
like celebrities right they want to look

506  
00:21:11,510 --> 00:21:08,340  
like Gwyneth Paltrow they want to carry

507  
00:21:16,490 --> 00:21:11,520  
themselves the way that certain so want

508  
00:21:18,529 --> 00:21:16,500  
to be Baby Spice it's either that or

509  
00:21:20,600 --> 00:21:18,539  
Roger Moore I swipe between the two

510  
00:21:22,340 --> 00:21:20,610  
Roger spicy yet Roger spies yeah well

511  
00:21:24,260 --> 00:21:22,350  
yes so I think they want to be more like

512  
00:21:25,669 --> 00:21:24,270  
them and the bait obviously be more like

513  
00:21:26,870 --> 00:21:25,679

them you know when you meet someone for

514

00:21:28,220 --> 00:21:26,880

the first time and you're really into

515

00:21:29,960 --> 00:21:28,230

them you start listening to the bands

516

00:21:31,190 --> 00:21:29,970

they like and you start from doing the

517

00:21:32,450 --> 00:21:31,200

things that they like maybe it's like

518

00:21:33,950 --> 00:21:32,460

that maybe it's psychologically they're

519

00:21:34,520 --> 00:21:33,960

trying to kind of be more like them that

520

00:21:35,780 --> 00:21:34,530

way

521

00:21:37,370 --> 00:21:35,790

and there are some people who regard

522

00:21:38,420 --> 00:21:37,380

celebrities like being like their

523

00:21:40,370 --> 00:21:38,430

friends don't they are being like

524

00:21:42,590 --> 00:21:40,380

someone that they know it's a one-way

525

00:21:44,390 --> 00:21:42,600

friendship exactly I'm sure that many

526  
00:21:45,770 --> 00:21:44,400  
listeners were skeptical regard Richard

527  
00:21:47,510 --> 00:21:45,780  
Saunders as being a close personal

528  
00:21:49,670 --> 00:21:47,520  
friend because they hear him in there

529  
00:21:51,410 --> 00:21:49,680  
even more his cats than him but yes they

530  
00:21:53,570 --> 00:21:51,420  
they feel a very strong affinity to both

531  
00:21:55,010 --> 00:21:53,580  
those cats absolutely they're their cats

532  
00:21:57,500 --> 00:21:55,020  
exactly so maybe there's that kind of

533  
00:21:59,330 --> 00:21:57,510  
that weird blurring of that line okay

534  
00:22:01,940 --> 00:21:59,340  
and how do you think you could overcome

535  
00:22:03,710 --> 00:22:01,950  
that but is it to make to prefer the the

536  
00:22:05,570 --> 00:22:03,720  
experts a little bit more warm like

537  
00:22:07,940 --> 00:22:05,580  
they're better communicators a bit more

538  
00:22:09,590 --> 00:22:07,950

down-home I think we could do better at

539

00:22:11,090 --> 00:22:09,600

science communication I think we do fail

540

00:22:12,830 --> 00:22:11,100

quite a lot the problem is obviously the

541

00:22:14,420 --> 00:22:12,840

people with the most knowledge aren't

542

00:22:16,730 --> 00:22:14,430

often dual trained in science

543

00:22:18,740 --> 00:22:16,740

communication like they're good at their

544

00:22:21,260 --> 00:22:18,750

jobs therefore they're not necessarily

545

00:22:22,730 --> 00:22:21,270

good at communicating and that's a shame

546

00:22:23,870 --> 00:22:22,740

but obviously you don't then want to

547

00:22:25,850 --> 00:22:23,880

have people who are the good science

548

00:22:28,160 --> 00:22:25,860

communicators but aren't good scientists

549

00:22:30,290 --> 00:22:28,170

yes that's right yeah because you don't

550

00:22:32,720 --> 00:22:30,300

have to be communicated to do science do

551  
00:22:33,920 --> 00:22:32,730  
the science exactly exactly so maybe you

552  
00:22:35,540 --> 00:22:33,930  
almost need it kind of like a magician

553  
00:22:37,580 --> 00:22:35,550  
in there assistant so you have the

554  
00:22:40,040 --> 00:22:37,590  
beautiful assistant who's able to you

555  
00:22:41,570 --> 00:22:40,050  
know point at things in our like at the

556  
00:22:45,440 --> 00:22:41,580  
end of desperately seeking Susan the

557  
00:22:47,240 --> 00:22:45,450  
magic club yeah yeah that's exactly are

558  
00:22:48,470 --> 00:22:47,250  
you not on the same page but someone

559  
00:22:51,800 --> 00:22:48,480  
who's either the first time hello

560  
00:22:53,060 --> 00:22:51,810  
hello what's your name Alana okay now

561  
00:22:55,130 --> 00:22:53,070  
what do you reckon the problem is with

562  
00:22:56,540 --> 00:22:55,140  
people getting on to celebrities rather

563  
00:22:59,300 --> 00:22:56,550

listening to someone who knows what

564

00:23:01,100 --> 00:22:59,310

they're talking about I was just

565

00:23:03,140 --> 00:23:01,110

discussing this with Trish a few minutes

566

00:23:05,780 --> 00:23:03,150

ago and I reckon from all the podcasts

567

00:23:07,970 --> 00:23:05,790

I've listened to because that makes me

568

00:23:09,710 --> 00:23:07,980

an expert but when you're you know you

569

00:23:10,700 --> 00:23:09,720

know you recognize someone's face you

570

00:23:12,560 --> 00:23:10,710

know their name you know everything

571

00:23:14,420 --> 00:23:12,570

about them that you kind of think that

572

00:23:15,620 --> 00:23:14,430

you are their friend like Trish was

573

00:23:17,540 --> 00:23:15,630

saying it's like a one-way straight

574

00:23:19,190 --> 00:23:17,550

one-way friendship so back in the day

575

00:23:21,230 --> 00:23:19,200

like in the caveman times you would have

576

00:23:23,240 --> 00:23:21,240

known this person so you trust the

577

00:23:24,470 --> 00:23:23,250

people you know better than you then

578

00:23:26,240 --> 00:23:24,480

someone who says they know what they're

579

00:23:28,790 --> 00:23:26,250

talking about and yeah it logically it

580

00:23:30,350 --> 00:23:28,800

makes no sense but unfortunately I think

581

00:23:32,630 --> 00:23:30,360

it's just easier to trust like a friend

582

00:23:33,840 --> 00:23:32,640

than it is to say someone who says

583

00:23:35,070 --> 00:23:33,850

they're an expert

584

00:23:37,140 --> 00:23:35,080

so how do you think we need how to

585

00:23:40,140 --> 00:23:37,150

overcome that how do you make an expert

586

00:23:41,490 --> 00:23:40,150

your friend the only thing I can think

587

00:23:44,190 --> 00:23:41,500

of is that if we were more active on

588

00:23:46,470 --> 00:23:44,200

social media we were more fun I mean

589

00:23:48,420 --> 00:23:46,480

that's why celebrities are famous is

590

00:23:49,980 --> 00:23:48,430

because they are active on social media

591

00:23:52,860 --> 00:23:49,990

they're active and magazines are active

592

00:23:54,180 --> 00:23:52,870

on TV they do interviews you know that

593

00:23:55,830 --> 00:23:54,190

all these things make people really

594

00:23:57,960 --> 00:23:55,840

interesting like I know that we're not

595

00:23:59,970 --> 00:23:57,970

at this man's talk but Bill Nye is

596

00:24:01,350 --> 00:23:59,980

really interesting to watch and I've

597

00:24:04,380 --> 00:24:01,360

just found out today that he doesn't

598

00:24:06,840 --> 00:24:04,390

he's not even a scientist but that kind

599

00:24:08,580 --> 00:24:06,850

of charisma is like how you might be

600

00:24:11,070 --> 00:24:08,590

able to reach more people and be more

601  
00:24:12,780 --> 00:24:11,080  
believable anything Bill Nye went in

602  
00:24:14,430 --> 00:24:12,790  
that debate he did with the creationist

603  
00:24:16,590 --> 00:24:14,440  
couple years ago did you see that at all

604  
00:24:18,390 --> 00:24:16,600  
I actually only saw a few clips but I

605  
00:24:20,550 --> 00:24:18,400  
was also just mentioning this earlier I

606  
00:24:22,200 --> 00:24:20,560  
think he was so impressive and really

607  
00:24:24,360 --> 00:24:22,210  
respectful for someone who clearly he

608  
00:24:26,310 --> 00:24:24,370  
didn't have any respect for ya which I

609  
00:24:28,230 --> 00:24:26,320  
thought I was learning a lot about how

610  
00:24:31,350 --> 00:24:28,240  
to speak to someone that I had no regard

611  
00:24:33,000 --> 00:24:31,360  
for a chance to ask on some questions

612  
00:24:35,340 --> 00:24:33,010  
not if you've got any any pre loaded

613  
00:24:38,010 --> 00:24:35,350

question to Alaska unfortunately because

614

00:24:39,960 --> 00:24:38,020

I'm a foreigner I've never heard of dr.

615

00:24:41,550 --> 00:24:39,970

Karl and I'm very privileged that this

616

00:24:43,710 --> 00:24:41,560

is gonna be my first experience is like

617

00:24:45,930 --> 00:24:43,720

firsthand yes so I'm just really excited

618

00:24:47,160 --> 00:24:45,940

to see what other people are asking yes

619

00:24:48,150 --> 00:24:47,170

that means you get to ask two questions

620

00:24:50,130 --> 00:24:48,160

Trish

621

00:24:52,730 --> 00:24:50,140

there we go have you got any lined up so

622

00:24:53,910 --> 00:24:52,740

my question is gonna be why and when

623

00:24:55,290 --> 00:24:53,920

okay

624

00:24:57,390 --> 00:24:55,300

well mine's a bit longer that might say

625

00:24:59,520 --> 00:24:57,400

why am I still alive will be one the

626

00:25:01,260 --> 00:24:59,530

questions I'll be asking him yes stuff

627

00:25:02,610 --> 00:25:01,270

like that you don't know yeah not that

628

00:25:04,800 --> 00:25:02,620

the answer but he'll give it a good

629

00:25:05,940 --> 00:25:04,810

red-hot go but and also let's think

630

00:25:07,620 --> 00:25:05,950

about scientist if they don't know

631

00:25:09,870 --> 00:25:07,630

something they might say I don't know

632

00:25:11,070 --> 00:25:09,880

where celebrities rarely will move out

633

00:25:12,600 --> 00:25:11,080

because that will that will not look

634

00:25:14,830 --> 00:25:12,610

good if they say that yeah they'll

635

00:25:16,599 --> 00:25:14,840

always give an answer

636

00:25:18,759 --> 00:25:16,609

they're so confident and I think that

637

00:25:21,669 --> 00:25:18,769

might be the key confidence and Krishna

638

00:25:23,859 --> 00:25:21,679

is key you have to have a most annoying

639

00:25:26,830 --> 00:25:23,869

celebrity who's that how are we going to

640

00:25:28,690 --> 00:25:26,840

fail try to be honest Oh what's the

641

00:25:30,729 --> 00:25:28,700

latest thing to do shove up and do stuff

642

00:25:33,220 --> 00:25:30,739

on whatever she's doing candles wax

643

00:25:35,379 --> 00:25:33,230

smoke you know well it's more the

644

00:25:36,639 --> 00:25:35,389

hypocrisy it's more the fact that like

645

00:25:37,599 --> 00:25:36,649

she keeps on coming out and saying that

646

00:25:39,129 --> 00:25:37,609

you know what they're doing isn't

647

00:25:41,019 --> 00:25:39,139

actually that bad because people are

648

00:25:43,029 --> 00:25:41,029

choosing in it's empowering women it is

649

00:25:44,619 --> 00:25:43,039

not empowering women it is she'll keep

650

00:25:46,690 --> 00:25:44,629

on coming out and saying how like what

651  
00:25:48,129 --> 00:25:46,700  
she's doing is it's empowerment or it's

652  
00:25:50,229 --> 00:25:48,139  
just you know if you don't like it don't

653  
00:25:52,989 --> 00:25:50,239  
buy it but that's not how it works like

654  
00:25:54,700 --> 00:25:52,999  
ultimately she's marketing towards women

655  
00:25:56,229 --> 00:25:54,710  
who want to improve themselves in some

656  
00:25:58,269 --> 00:25:56,239  
way and all she's doing is taking their

657  
00:26:05,320 --> 00:25:58,279  
money and running hmm and you got an

658  
00:26:08,470 --> 00:26:05,330  
annoying celebrity team Oh everything

659  
00:26:11,409 --> 00:26:08,480  
has been pretty damning no one knows who

660  
00:26:13,180 --> 00:26:11,419  
you actually at the budget I was looking

661  
00:26:14,919 --> 00:26:13,190  
at the people in the background and I

662  
00:26:17,440 --> 00:26:14,929  
said who is that guy and it was Scottie

663  
00:26:18,879 --> 00:26:17,450

mouse I'm sorry I don't know that person

664

00:26:20,729 --> 00:26:18,889

is I'm missing one minister man hold

665

00:26:22,930 --> 00:26:20,739

that oh right you should

666

00:26:28,359 --> 00:26:22,940

scotty mo i thought it was pronounced

667

00:26:29,649 --> 00:26:28,369

scope depends on your dialect that's

668

00:26:32,560 --> 00:26:29,659

fine mind you i couldn't tell you who

669

00:26:33,700 --> 00:26:32,570

the the head of the National Party is I

670

00:26:34,149 --> 00:26:33,710

couldn't tell you that it's probably for

671

00:26:36,669 --> 00:26:34,159

the best

672

00:26:39,009 --> 00:26:36,679

British prime minister it's because

673

00:26:41,049 --> 00:26:39,019

there isn't 100 what so what so yeah

674

00:26:42,999 --> 00:26:41,059

what do they have a caretaker in this

675

00:26:45,609 --> 00:26:43,009

situation how's that been a caretaker

676  
00:26:46,749 --> 00:26:45,619  
for the last 20 years no yeah Speaker of

677  
00:26:50,379 --> 00:26:46,759  
the House is now the most powerful

678  
00:26:51,669 --> 00:26:50,389  
person in Britain it's really crazy but

679  
00:26:54,460 --> 00:26:51,679  
Brian bliss and to do it he's got the

680  
00:26:56,830 --> 00:26:54,470  
loudest voice he could carry on buddy

681  
00:26:58,690 --> 00:26:56,840  
it's brilliant at lying years I actually

682  
00:27:00,639 --> 00:26:58,700  
watched him in Flash Gordon 1980 of the

683  
00:27:02,109 --> 00:27:00,649  
movie I recommend that he heat there's

684  
00:27:03,950 --> 00:27:02,119  
only one line in the entire film he does

685  
00:27:06,450 --> 00:27:03,960  
not hello

686  
00:27:09,960 --> 00:27:06,460  
[Applause]

687  
00:27:12,869 --> 00:27:11,820  
because we here at the front table here

688  
00:27:14,490 --> 00:27:12,879

here these are the people that will

689

00:27:16,470 --> 00:27:14,500

absorb the most maximum knowledge from

690

00:27:18,629 --> 00:27:16,480

dr. Carr when he does start to talk and

691

00:27:20,310 --> 00:27:18,639

he is it expert in many different fields

692

00:27:22,769 --> 00:27:20,320

but why do you think people take advice

693

00:27:24,570 --> 00:27:22,779

from celebrities rather than scientists

694

00:27:28,289 --> 00:27:24,580

or experts in their field

695

00:27:30,149 --> 00:27:28,299

I think people seem to have a an

696

00:27:32,249 --> 00:27:30,159

appreciation or love of celebrities and

697

00:27:34,560 --> 00:27:32,259

they will absorb information from people

698

00:27:36,119 --> 00:27:34,570

that they know more than somebody they

699

00:27:37,980 --> 00:27:36,129

don't know and they see this person on

700

00:27:40,320 --> 00:27:37,990

TV all the time and they're on their

701  
00:27:42,690 --> 00:27:40,330  
social media feeds and so the more that

702  
00:27:45,749 --> 00:27:42,700  
they see somebody the more they feel

703  
00:27:46,919 --> 00:27:45,759  
that they're trustworthy it's like it's

704  
00:27:50,279 --> 00:27:46,929  
the one no friendship thing they think

705  
00:27:51,990 --> 00:27:50,289  
they know them yeah yeah so do you think

706  
00:27:53,639 --> 00:27:52,000  
the way they look or the way they seem

707  
00:27:55,619 --> 00:27:53,649  
to talk so easily on television

708  
00:27:57,180 --> 00:27:55,629  
persuades people a little bit more bit

709  
00:27:59,279 --> 00:27:57,190  
the way they bit more smooth about their

710  
00:28:01,139 --> 00:27:59,289  
communication where sometimes scientists

711  
00:28:02,789 --> 00:28:01,149  
will use big words or they'll actually

712  
00:28:04,619 --> 00:28:02,799  
think about what they're going to say

713  
00:28:06,450 --> 00:28:04,629

before they say it so there's a pause I

714

00:28:08,340 --> 00:28:06,460

guess it would be because a lot of the

715

00:28:09,690 --> 00:28:08,350

other celebrities have script writers so

716

00:28:12,450 --> 00:28:09,700

when they're in a TV show or the movie

717

00:28:13,710 --> 00:28:12,460

they've got a team of people affecting

718

00:28:15,299 --> 00:28:13,720

what they're going to say so they often

719

00:28:17,340 --> 00:28:15,309

sound a lot more intelligent than they

720

00:28:18,960 --> 00:28:17,350

very well could be I'm not saying that

721

00:28:20,399 --> 00:28:18,970

they're not incredibly intelligent they

722

00:28:22,200 --> 00:28:20,409

have to have some you know some level

723

00:28:23,490 --> 00:28:22,210

intelligence to get where you are but

724

00:28:25,889 --> 00:28:23,500

you know to have that team of people

725

00:28:27,659 --> 00:28:25,899

behind you you could play a scientist in

726

00:28:30,320 --> 00:28:27,669

a movie and people therefore think that

727

00:28:32,700 --> 00:28:30,330

you're you have those qualifications I

728

00:28:34,529 --> 00:28:32,710

found dr. Zarkov in the Flash Gordon

729

00:28:37,830 --> 00:28:34,539

1980 movie very believable as a

730

00:28:39,840 --> 00:28:37,840

scientist he was good he had a Eastern

731

00:28:43,350 --> 00:28:39,850

European accent and a beard yeah well I

732

00:28:45,240 --> 00:28:43,360

mean dr. evil yes very trustworthy if

733

00:28:47,009 --> 00:28:45,250

you've got a most annoying celebrity is

734

00:28:50,310 --> 00:28:47,019

there one that over time is like been

735

00:28:52,799 --> 00:28:50,320

our walk this person again my personal

736

00:28:56,340 --> 00:28:52,809

favorite would be Tom Cruise so I find

737

00:28:58,649 --> 00:28:56,350

him quite hard to deal with I can't take

738

00:29:00,720 --> 00:28:58,659

him seriously in any of the roles that

739

00:29:02,430 --> 00:29:00,730

he plays the Scientology thing is it's

740

00:29:05,820 --> 00:29:02,440

something else other than that that

741

00:29:08,000 --> 00:29:05,830

probably helped compound my my belief

742

00:29:10,770 --> 00:29:08,010

that he was just

743

00:29:13,020 --> 00:29:10,780

so jumping on the couch thing did that

744

00:29:14,670 --> 00:29:13,030

not help that also didn't help yeah that

745

00:29:18,360 --> 00:29:14,680

was there was a whole list of things I

746

00:29:20,730 --> 00:29:18,370

just found him personally to personally

747

00:29:22,950 --> 00:29:20,740

grind my gears of it whenever I see him

748

00:29:24,690 --> 00:29:22,960

he looks like a very driven person he

749

00:29:27,750 --> 00:29:24,700

gets into his roles he produces his

750

00:29:29,070 --> 00:29:27,760

roles and and really is intense but

751

00:29:31,050 --> 00:29:29,080

you're right there's something that like

752

00:29:32,130 --> 00:29:31,060

it takes away from that isn't it I'm not

753

00:29:35,280 --> 00:29:32,140

sure whether it's that level of

754

00:29:37,350 --> 00:29:35,290

intensity that he's tiring perhaps these

755

00:29:39,000 --> 00:29:37,360

there was too much I went on I'm an 80s

756

00:29:41,280 --> 00:29:39,010

kid so you know there was the whole Top

757

00:29:43,920 --> 00:29:41,290

Gun era you know there was a he was just

758

00:29:45,420 --> 00:29:43,930

seemed to be in a lot of roles the one I

759

00:29:47,760 --> 00:29:45,430

liked was was it Nicole Kidman as a

760

00:29:49,290 --> 00:29:47,770

neurosurgeon in some something Thunder

761

00:29:52,650 --> 00:29:49,300

the racing car one that they did

762

00:29:54,240 --> 00:29:52,660

together a year I use a thunder I'm

763

00:29:58,980 --> 00:29:54,250

pretty sure she was in neurosurgeon yeah

764

00:30:00,390 --> 00:29:58,990

no and yeah so yeah and that I didn't

765

00:30:01,980 --> 00:30:00,400

buy that one very easily no I know I

766

00:30:04,410 --> 00:30:01,990

certainly haven't had surgery done by

767

00:30:06,600 --> 00:30:04,420

Nicole Kidman either that's - that's a

768

00:30:08,010 --> 00:30:06,610

sample group of - and what what do you

769

00:30:08,790 --> 00:30:08,020

think about the whole celebrity thing

770

00:30:10,680 --> 00:30:08,800

there because because you've been

771

00:30:11,970 --> 00:30:10,690

exposed to the UK ones and is it worse

772

00:30:14,010 --> 00:30:11,980

than the UK than here with the

773

00:30:16,050 --> 00:30:14,020

celebrities pushing stuff no I think

774

00:30:18,540 --> 00:30:16,060

it's about the same and I think in this

775

00:30:20,880 --> 00:30:18,550

day and age where celebrities can be

776

00:30:22,260 --> 00:30:20,890

worldwide extremely quickly I don't

777

00:30:24,380 --> 00:30:22,270

think it really matters which country

778

00:30:27,210 --> 00:30:24,390

you're actually physically located in I

779

00:30:29,970 --> 00:30:27,220

think people become really obsessed with

780

00:30:31,560 --> 00:30:29,980

celebrities like watch TV shows and

781

00:30:34,230 --> 00:30:31,570

movies and stuff and you get your

782

00:30:35,910 --> 00:30:34,240

favorite celebrities and you're you very

783

00:30:39,270 --> 00:30:35,920

much you know you're reading a lot about

784

00:30:41,070 --> 00:30:39,280

them in the press and you develop an

785

00:30:43,740 --> 00:30:41,080

obsession with them or you can buy

786

00:30:45,240 --> 00:30:43,750

something up and then as soon as they

787

00:30:48,720 --> 00:30:45,250

start

788

00:30:50,370 --> 00:30:48,730

saying something you just want to you

789

00:30:52,320 --> 00:30:50,380

want to be believing what they're saying

790

00:30:53,610 --> 00:30:52,330

so even if they're going on

791

00:30:55,140 --> 00:30:53,620

you know something which is not very

792

00:30:56,910 --> 00:30:55,150

very helpful and not backed up by

793

00:31:00,180 --> 00:30:56,920

experts they've probably got somebody

794

00:31:01,470 --> 00:31:00,190

behind them who's backing up that

795

00:31:03,660 --> 00:31:01,480

they've got somebody that they're

796

00:31:05,430 --> 00:31:03,670

thinking is an expert that they're a lot

797

00:31:08,520 --> 00:31:05,440

of them believe what point they're

798

00:31:09,600 --> 00:31:08,530

trying to put across yes who's the one

799

00:31:12,440 --> 00:31:09,610

that annoys you the most of all the

800

00:31:14,130 --> 00:31:12,450

celebrities out there Jenny McCarthy

801  
00:31:15,990 --> 00:31:14,140  
with Jim Carrey

802  
00:31:18,150 --> 00:31:16,000  
they are big celebrities people know

803  
00:31:25,170 --> 00:31:18,160  
about them and I feel like what they

804  
00:31:27,690 --> 00:31:25,180  
have done for the ante Waxman has been

805  
00:31:29,700 --> 00:31:27,700  
sort of unprecedented I know cuz we had

806  
00:31:31,830 --> 00:31:29,710  
the recent outbreak of measles in New

807  
00:31:33,600 --> 00:31:31,840  
York City or among the Hasidic Jews

808  
00:31:36,150 --> 00:31:33,610  
there as well yeah and amongst other

809  
00:31:37,770 --> 00:31:36,160  
places and we've had much higher fully

810  
00:31:39,960 --> 00:31:37,780  
rates than normal here we've had many

811  
00:31:42,450 --> 00:31:39,970  
many deaths in Australia due to flu this

812  
00:31:45,060 --> 00:31:42,460  
year and if people were getting their

813  
00:31:48,210 --> 00:31:45,070

vaccinations more frequently those

814

00:31:49,800 --> 00:31:48,220

statistics would be a lot lower I point

815

00:31:51,540 --> 00:31:49,810

people to the one thing most recent

816

00:31:53,100 --> 00:31:51,550

episodes of FAMILY GUY where they did

817

00:31:55,410 --> 00:31:53,110

the vaccination issue which was quite

818

00:31:57,210 --> 00:31:55,420

good as well I think the celebrity that

819

00:32:00,360 --> 00:31:57,220

was Sean Penn Sean Penn flew in and

820

00:32:02,010 --> 00:32:00,370

treated Long Island like a third world

821

00:32:05,100 --> 00:32:02,020

nation and gave them more vaccinations

822

00:32:06,480 --> 00:32:05,110

it's very nice what are you hoping to

823

00:32:07,680 --> 00:32:06,490

ask dr. Carr by the way you got any

824

00:32:08,610 --> 00:32:07,690

questions lined up because you're the

825

00:32:11,100 --> 00:32:08,620

closest you're gonna get the most

826

00:32:13,650 --> 00:32:11,110

knowledge out of him not that I can

827

00:32:15,450 --> 00:32:13,660

think of right now okay well you know

828

00:32:16,680 --> 00:32:15,460

maybe just sit back and ask someone else

829

00:32:18,030 --> 00:32:16,690

our something hopefully hopefully I'll

830

00:32:24,140 --> 00:32:18,040

have enough knowledge by the end of it

831

00:32:28,850 --> 00:32:26,000

well I'm here with dr. Kyle he's about

832

00:32:30,350 --> 00:32:28,860

to go on that area do all your smartest

833

00:32:31,310 --> 00:32:30,360

microphones good enough to cut through

834

00:32:34,490 --> 00:32:31,320

everything dr. Kyle

835

00:32:35,870 --> 00:32:34,500

nod now I'm just have you ever been

836

00:32:37,430 --> 00:32:35,880

parodied by anybody because most

837

00:32:39,050 --> 00:32:37,440

Australian celebrities that some spies

838

00:32:44,090 --> 00:32:39,060

have been parody does it ever happen to

839

00:32:47,290 --> 00:32:44,100

you yes there was one character who

840

00:32:51,530 --> 00:32:47,300

wears a bright shirt on draw mad as hell

841

00:32:54,470 --> 00:32:51,540

yeah so he's one and it's some sort of

842

00:32:56,990 --> 00:32:54,480

academic who speaks in gibberish and

843

00:32:59,720 --> 00:32:57,000

I've had several songs paranoid

844

00:33:01,580 --> 00:32:59,730

parroting me off and I'm very happy with

845

00:33:03,710 --> 00:33:01,590

it I don't mind at all that's always a

846

00:33:05,330 --> 00:33:03,720

great bit of flattery and now today

847

00:33:07,370 --> 00:33:05,340

you're gonna be giving a chat here and

848

00:33:09,320 --> 00:33:07,380

expecting a range of questions what do

849

00:33:10,850 --> 00:33:09,330

people in the general population been

850

00:33:12,590 --> 00:33:10,860

asking you about most lately when they

851  
00:33:14,570 --> 00:33:12,600  
bump into you I mean everyone's always

852  
00:33:16,130 --> 00:33:14,580  
asking doctor stuff but is there a topic

853  
00:33:17,960 --> 00:33:16,140  
that's come up more than usual when I

854  
00:33:21,800 --> 00:33:17,970  
try to avoid I try to avoid doctor stuff

855  
00:33:25,360 --> 00:33:21,810  
on the grounds that I do not know the

856  
00:33:28,090 --> 00:33:25,370  
person's past medical surgical

857  
00:33:30,920 --> 00:33:28,100  
gynecological pharmacological

858  
00:33:32,960 --> 00:33:30,930  
endocrinology call etc history and

859  
00:33:35,690 --> 00:33:32,970  
without that you're sort of stumbling in

860  
00:33:37,760 --> 00:33:35,700  
the dark in an emergency I will but in

861  
00:33:40,490 --> 00:33:37,770  
most cases the advices just go and see

862  
00:33:42,140 --> 00:33:40,500  
your GP and this is purely theoretical

863  
00:33:45,170 --> 00:33:42,150

knowledge in which case I'm happy to

864

00:33:46,700 --> 00:33:45,180

hand that over again relatively few

865

00:33:49,880 --> 00:33:46,710

medical questions because we try to stop

866

00:33:52,670 --> 00:33:49,890

them so today we're just a few minutes

867

00:33:54,700 --> 00:33:52,680

ago I had a question on how come you

868

00:33:57,760 --> 00:33:54,710

hardly ever see dead birds

869

00:34:00,430 --> 00:33:57,770

and the answer is that nature is bloody

870

00:34:03,430 --> 00:34:00,440

in tooth and claw and turns dead birds

871

00:34:05,830 --> 00:34:03,440

into food for the carrion eaters that

872

00:34:08,170 --> 00:34:05,840

happen to be around this morning I had a

873

00:34:12,850 --> 00:34:08,180

lovely question from an eight-year-old

874

00:34:16,690 --> 00:34:12,860

in Brisbane called Beryl and she wanted

875

00:34:18,370 --> 00:34:16,700

to know what was inside a proton that a

876

00:34:19,600 --> 00:34:18,380

quark I don't remember what is it oh

877

00:34:20,860 --> 00:34:19,610

that's tricky

878

00:34:22,570 --> 00:34:20,870

it turns out that there's a nice

879

00:34:25,930 --> 00:34:22,580

symmetry between the very large and the

880

00:34:28,510 --> 00:34:25,940

very small they both have about 90

881

00:34:33,130 --> 00:34:28,520

something percent missing so with the

882

00:34:37,060 --> 00:34:33,140

entire known universe we can only see or

883

00:34:39,210 --> 00:34:37,070

detect directly about 5% and 95% is

884

00:34:43,420 --> 00:34:39,220

missing being in a form of dark matter

885

00:34:46,600 --> 00:34:43,430

25% or dark and energy 70% and then way

886

00:34:49,840 --> 00:34:46,610

at the other end of the scale going down

887

00:34:54,220 --> 00:34:49,850

to a proton or a neutron which is inside

888

00:34:57,280 --> 00:34:54,230

madam 91% is missing of the mass so

889

00:34:59,560 --> 00:34:57,290

they're made of quarks there are six

890

00:35:02,290 --> 00:34:59,570

different quarks combined with their six

891

00:35:06,280 --> 00:35:02,300

anti quark so there's 12 so you've got

892

00:35:09,250 --> 00:35:06,290

up and down top and bottom strange and

893

00:35:13,060 --> 00:35:09,260

charm it turns out the protons just give

894

00:35:16,330 --> 00:35:13,070

it easy a made of two ups and one down

895

00:35:17,740 --> 00:35:16,340

and they're fundamental particles and

896

00:35:21,220 --> 00:35:17,750

because our fundamental particles

897

00:35:23,590 --> 00:35:21,230

therefore their mass is given to them by

898

00:35:26,800 --> 00:35:23,600

the Higgs field when you add up that

899

00:35:29,650 --> 00:35:26,810

mass you only get 9% of the mass of the

900

00:35:32,290 --> 00:35:29,660

proton and the other 91% is missing and

901  
00:35:35,170 --> 00:35:32,300  
we've just worked out the figures came

902  
00:35:37,030 --> 00:35:35,180  
through last year that the remaining 91%

903  
00:35:40,150 --> 00:35:37,040  
have broken up to various categories

904  
00:35:41,800 --> 00:35:40,160  
involving gluons and gluons interacting

905  
00:35:44,950 --> 00:35:41,810  
with

906  
00:35:46,870 --> 00:35:44,960  
quarks and then quarks and gluons all

907  
00:35:49,690 --> 00:35:46,880  
interacting with each other and they're

908  
00:35:51,820 --> 00:35:49,700  
doing it by motion ions I said equals

909  
00:35:54,820 --> 00:35:51,830  
mc-squared do you think of energy as

910  
00:35:56,740 --> 00:35:54,830  
mass has been lit free from its bounds

911  
00:35:58,300 --> 00:35:56,750  
and binds where and the other way is

912  
00:36:00,070 --> 00:35:58,310  
that mass is mg this beam coagulator

913  
00:36:04,150 --> 00:36:00,080

down so if you've got stuff that's

914

00:36:06,670 --> 00:36:04,160

moving fast enough it has mass the speed

915

00:36:09,340 --> 00:36:06,680

gives it the mass this is sort of point

916

00:36:10,720 --> 00:36:09,350

two as a possibility that we are a three

917

00:36:11,980 --> 00:36:10,730

dimensional projection from a two

918

00:36:13,660 --> 00:36:11,990

dimensional object or something like

919

00:36:15,700 --> 00:36:13,670

that most point of absolute where some

920

00:36:17,290 --> 00:36:15,710

work one thing could be where a hologram

921

00:36:19,240 --> 00:36:17,300

so there actually isn't anything else

922

00:36:20,800 --> 00:36:19,250

there except some master controller

923

00:36:22,360 --> 00:36:20,810

that's making the image for us well

924

00:36:25,000 --> 00:36:22,370

that's caught that's kind of the essence

925

00:36:26,470 --> 00:36:25,010

of string theory that the fundamental

926  
00:36:29,140 --> 00:36:26,480  
particles are this one of the three main

927  
00:36:31,750 --> 00:36:29,150  
options none of them are prune that the

928  
00:36:36,310 --> 00:36:31,760  
fundamental particles are interactions

929  
00:36:38,380 --> 00:36:36,320  
of these one-dimensional strings that

930  
00:36:41,230 --> 00:36:38,390  
live in a n dimensional universe where

931  
00:36:44,590 --> 00:36:41,240  
in is about eleven or twelve and where

932  
00:36:47,200 --> 00:36:44,600  
they kiss our world they interact with

933  
00:36:49,450 --> 00:36:47,210  
their vibrations to create quarks but

934  
00:36:51,490 --> 00:36:49,460  
there's no proof of that yeah I mean is

935  
00:36:54,010 --> 00:36:51,500  
it provable at all because it means

936  
00:36:57,400 --> 00:36:54,020  
getting into the very working nature of

937  
00:37:04,570 --> 00:36:57,410  
a level we can't see or explore camera

938  
00:37:06,460 --> 00:37:04,580

well if you had told me in 2008 that I

939

00:37:09,370 --> 00:37:06,470

could walk across the spectrum or cross

940

00:37:12,760 --> 00:37:09,380

Spain with a computer in my pocket and

941

00:37:17,140 --> 00:37:12,770

with their computer I could do English

942

00:37:18,520 --> 00:37:17,150

Spanish translation and get email and

943

00:37:20,320 --> 00:37:18,530

the World Wide Web

944

00:37:21,880 --> 00:37:20,330

etc etcetera etcetera and have a phone

945

00:37:23,320 --> 00:37:21,890

and a diary I would have said make

946

00:37:26,080 --> 00:37:23,330

you're pushing him but now it's

947

00:37:27,250 --> 00:37:26,090

commonplace to everybody 2000 and mid

948

00:37:29,080 --> 00:37:27,260

two thousands when he had the first

949

00:37:33,190 --> 00:37:29,090

smartphones they didn't really work

950

00:37:36,040 --> 00:37:33,200

until 2009 when the iPhone 3 came out

951  
00:37:37,840 --> 00:37:36,050  
the iPhone 3 was the first functioning

952  
00:37:39,580 --> 00:37:37,850  
smartphone there's worthwhile spending

953  
00:37:42,910 --> 00:37:39,590  
your money on all of us and was just

954  
00:37:46,210 --> 00:37:42,920  
crap and it was amazing that I could

955  
00:37:48,250 --> 00:37:46,220  
carry so much capability with me in my

956  
00:37:49,960 --> 00:37:48,260  
pocket and carry it across the

957  
00:37:52,970 --> 00:37:49,970  
countryside I could believe

958  
00:37:54,620 --> 00:37:52,980  
but if you taught me in 2000 I could do

959  
00:37:58,910 --> 00:37:54,630  
that no way my first got onto the

960  
00:38:01,700 --> 00:37:58,920  
Internet in 1987 and it took a long time

961  
00:38:03,560 --> 00:38:01,710  
just to even plug in and now you can

962  
00:38:05,570 --> 00:38:03,570  
just do it automatically so I don't know

963  
00:38:07,340 --> 00:38:05,580

differences he's saying is it impossible

964

00:38:10,070 --> 00:38:07,350

I will find out what's going on with

965

00:38:12,080 --> 00:38:10,080

regard to 12 dimensional space it's not

966

00:38:15,530 --> 00:38:12,090

impossible but we will find out as we

967

00:38:17,900 --> 00:38:15,540

get closer and climate change is an

968

00:38:19,730 --> 00:38:17,910

existential threat but I'm being a cold

969

00:38:21,200 --> 00:38:19,740

war person I remember how the whole

970

00:38:22,460 --> 00:38:21,210

world could be obliterated an afternoon

971

00:38:24,110 --> 00:38:22,470

with nuclear weapons which is still

972

00:38:25,850 --> 00:38:24,120

possible and people don't seem to talk

973

00:38:28,040 --> 00:38:25,860

about that as much anymore and it would

974

00:38:29,720 --> 00:38:28,050

happen a lot faster where I mean yes

975

00:38:31,700 --> 00:38:29,730

climate change will change our planet

976

00:38:33,440 --> 00:38:31,710

but we were once an ice ball earth after

977

00:38:37,430 --> 00:38:33,450

all our planet does that from time to

978

00:38:42,800 --> 00:38:37,440

time doesn't well at the peak of the

979

00:38:47,090 --> 00:38:42,810

Cold War we had 30,000 nuclear weapons

980

00:38:49,750 --> 00:38:47,100

and on both sides and if they'd all gone

981

00:38:52,280 --> 00:38:49,760

off in an afternoon most of humanity

982

00:38:56,030 --> 00:38:52,290

would be dead within six months there'd

983

00:38:57,800 --> 00:38:56,040

be no electricity but we managed to

984

00:38:59,720 --> 00:38:57,810

avoid that now we're down to about three

985

00:39:03,460 --> 00:38:59,730

or four thousand nuclear weapons which

986

00:39:06,140 --> 00:39:03,470

is better than yeah right okay

987

00:39:07,790 --> 00:39:06,150

I'm optimistic I think we're humans

988

00:39:09,590 --> 00:39:07,800

we'll get through I'll be talking a

989

00:39:11,630 --> 00:39:09,600

little tiny bit on climate change and

990

00:39:13,370 --> 00:39:11,640

I'm basically optimistic that we can fix

991

00:39:16,720 --> 00:39:13,380

it all we need to do is get people good

992

00:39:19,070 --> 00:39:16,730

people into politics as simple as that

993

00:39:20,960 --> 00:39:19,080

as simple as that and I want to thank if

994

00:39:22,280 --> 00:39:20,970

you show that it's been seen on cable

995

00:39:24,110 --> 00:39:22,290

here in Australia our doctor Carl's

996

00:39:25,850 --> 00:39:24,120

amazing moments of science because you

997

00:39:27,620 --> 00:39:25,860

introduced us to a few scientists that I

998

00:39:29,330 --> 00:39:27,630

haven't met before there was a net flow

999

00:39:31,460 --> 00:39:29,340

physicist who she was brilliant and

1000

00:39:32,060 --> 00:39:31,470

there was a biologist and she was

1001

00:39:33,770 --> 00:39:32,070

brilliant as well

1002

00:39:35,210 --> 00:39:33,780

they were great communicators and I'd

1003

00:39:37,550 --> 00:39:35,220

not seen them on television before they

1004

00:39:39,830 --> 00:39:37,560

were really good oh well I'm just a

1005

00:39:41,240 --> 00:39:39,840

little conduit trying to bring the

1006

00:39:42,560 --> 00:39:41,250

goodness into the people's hearts and

1007

00:39:44,330 --> 00:39:42,570

minds

1008

00:39:46,190 --> 00:39:44,340

and one of the pieces you did have is

1009

00:39:48,230 --> 00:39:46,200

the best way to stop being bombed by

1010

00:39:49,550 --> 00:39:48,240

Magpies and what is the best thing to

1011

00:39:51,470 --> 00:39:49,560

wear on your head to stop being bombed

1012

00:39:53,120 --> 00:39:51,480

by Magpies I've totally forgotten

1013

00:39:55,070 --> 00:39:53,130

refresh my memory is it a hat with

1014

00:39:56,180 --> 00:39:55,080

circles on it observe it circles and

1015

00:39:58,130 --> 00:39:56,190

there was a few different things like

1016

00:40:00,260 --> 00:39:58,140

you would try cable ties or you tries

1017

00:40:02,060 --> 00:40:00,270

drawing eyes on the back of everything

1018

00:40:03,590 --> 00:40:02,070

there the best way to make them not bomb

1019

00:40:08,060 --> 00:40:03,600

you the trouble is though that the

1020

00:40:11,540 --> 00:40:08,070

Magpies fiendishly intelligent there's a

1021

00:40:15,260 --> 00:40:11,550

learn they learn and they pass the

1022

00:40:17,600 --> 00:40:15,270

knowledge on to their children so if you

1023

00:40:19,970 --> 00:40:17,610

or somebody looking like you attack

1024

00:40:23,020 --> 00:40:19,980

their nest that'll take you and then

1025

00:40:25,460 --> 00:40:23,030

their children will attack you I have

1026  
00:40:28,210 --> 00:40:25,470  
made friends with a few Magpies out of

1027  
00:40:30,800 --> 00:40:28,220  
the front and I love hearing their song

1028  
00:40:32,780 --> 00:40:30,810  
yeah they've got a lovely song they are

1029  
00:40:36,380 --> 00:40:32,790  
beats a girl ah that's for sure well

1030  
00:40:39,110 --> 00:40:36,390  
that's me too so it's hard to stop a

1031  
00:40:41,870 --> 00:40:39,120  
magpie if it's trying to protect this

1032  
00:40:43,310 --> 00:40:41,880  
nest in the breeding season if it thinks

1033  
00:40:46,130 --> 00:40:43,320  
or wrongly that you've done something so

1034  
00:40:47,540 --> 00:40:46,140  
having spikes on your helmet they'll

1035  
00:40:49,460 --> 00:40:47,550  
still go for it because they're

1036  
00:40:50,720 --> 00:40:49,470  
therefore taking their children because

1037  
00:40:53,260 --> 00:40:50,730  
you're just trying to catch a ride your

1038  
00:40:56,060 --> 00:40:53,270

bicycle to work so they've got a higher

1039

00:40:57,890 --> 00:40:56,070

evolutionary imperative dr. Karl you've

1040

00:40:59,120 --> 00:40:57,900

got a talk fairly soon but the question

1041

00:41:01,190 --> 00:40:59,130

we've been asking people is why do you

1042

00:41:03,650 --> 00:41:01,200

think people are quicker to believe

1043

00:41:05,840 --> 00:41:03,660

celebrities rather than experts or

1044

00:41:07,490 --> 00:41:05,850

scientists in the field like you know

1045

00:41:09,200 --> 00:41:07,500

though they'll look to Instagram for

1046

00:41:11,090 --> 00:41:09,210

someone for cancer advice and diet

1047

00:41:13,700 --> 00:41:11,100

advice rather than an oncologist or a

1048

00:41:14,930 --> 00:41:13,710

dietician I don't know I had a good

1049

00:41:17,900 --> 00:41:14,940

example of that the other day when I was

1050

00:41:20,900 --> 00:41:17,910

being interviewed by a person about the

1051  
00:41:22,310 --> 00:41:20,910  
5g Network and they said well I didn't

1052  
00:41:25,010 --> 00:41:22,320  
know much about Rho into this webpage

1053  
00:41:26,360 --> 00:41:25,020  
and I kept on reading more and more and

1054  
00:41:28,910 --> 00:41:26,370  
by the end of three hours I was

1055  
00:41:31,280 --> 00:41:28,920  
convinced well if I went to a webpage

1056  
00:41:33,800 --> 00:41:31,290  
that tried to tell me that you shouldn't

1057  
00:41:36,020 --> 00:41:33,810  
get vaccinated or that the earth was

1058  
00:41:38,330 --> 00:41:36,030  
flat or that we never went to the moon I

1059  
00:41:41,210 --> 00:41:38,340  
would spend 10 hours there I would go to

1060  
00:41:43,250 --> 00:41:41,220  
zero convincing so I think what we're

1061  
00:41:45,980 --> 00:41:43,260  
finding and it's always been the case a

1062  
00:41:47,420 --> 00:41:45,990  
lack of critical thinking we're not

1063  
00:41:49,940 --> 00:41:47,430

teaching critical thinking we're not

1064

00:41:51,830 --> 00:41:49,950

teaching people how to think we always

1065

00:41:53,809 --> 00:41:51,840

have a little bit and we always haven't

1066

00:41:55,189 --> 00:41:53,819

mostly so

1067

00:41:57,109 --> 00:41:55,199

no really different from the past except

1068

00:41:59,180 --> 00:41:57,119

it just happens faster and the wrong

1069

00:42:02,390 --> 00:41:59,190

information the incorrect information

1070

00:42:04,819 --> 00:42:02,400

travels faster but hundreds of years ago

1071

00:42:06,799 --> 00:42:04,829

we believed crap like with regard to the

1072

00:42:09,439 --> 00:42:06,809

Great Fire of London that it was set off

1073

00:42:12,140 --> 00:42:09,449

by a Frenchman when it wasn't you know

1074

00:42:14,239 --> 00:42:12,150

and he got killed for being French and

1075

00:42:16,130 --> 00:42:14,249

Catholic it happened a few Spanish guys

1076

00:42:19,309 --> 00:42:16,140

over the time - around about that time -

1077

00:42:22,009 --> 00:42:19,319

yeah so we've always believed crap and

1078

00:42:24,680 --> 00:42:22,019

we live in a complicated we live in a

1079

00:42:26,120 --> 00:42:24,690

society which has about 1% of the

1080

00:42:28,370 --> 00:42:26,130

population having psychopathic

1081

00:42:31,069 --> 00:42:28,380

tendencies and on the other than

1082

00:42:34,309 --> 00:42:31,079

complicate a bit more we are living in

1083

00:42:36,229 --> 00:42:34,319

the most peaceful time ever in a history

1084

00:42:38,029 --> 00:42:36,239

of the human race if you read the books

1085

00:42:41,029 --> 00:42:38,039

by Steven Pinker the better angels of

1086

00:42:43,130 --> 00:42:41,039

our nature and fact fullness by hands

1087

00:42:44,870 --> 00:42:43,140

rustling you'll see that they present a

1088

00:42:47,569 --> 00:42:44,880

very good case but then the other side

1089

00:42:50,209 --> 00:42:47,579

of the coin is that the longer the

1090

00:42:53,469 --> 00:42:50,219

period of peace the greater the

1091

00:42:56,630 --> 00:42:53,479

financial inequality and if you read

1092

00:42:59,719 --> 00:42:56,640

capitalism in the 21st century by

1093

00:43:02,269 --> 00:42:59,729

biggity and the Four Horsemen of the

1094

00:43:03,739 --> 00:43:02,279

Apocalypse by Schindler you'll see and

1095

00:43:06,229 --> 00:43:03,749

this goes back tens of thousands of

1096

00:43:08,299 --> 00:43:06,239

years that the longer the peace are more

1097

00:43:10,849 --> 00:43:08,309

the financial inequality now

1098

00:43:14,180 --> 00:43:10,859

traditionally the financial inequality

1099

00:43:16,459 --> 00:43:14,190

has been reset by plague or war or

1100

00:43:18,109 --> 00:43:16,469

collapse of a state or revolution the

1101

00:43:19,819 --> 00:43:18,119

trouble with them is that while they do

1102

00:43:22,759 --> 00:43:19,829

the good thing of resetting the economic

1103

00:43:24,829 --> 00:43:22,769

balance they involve lots of dead people

1104

00:43:27,439 --> 00:43:24,839

and I'm hoping that we'll find a better

1105

00:43:30,099 --> 00:43:27,449

way through harmony and peace and love

1106

00:43:32,599 --> 00:43:30,109

man that doesn't involve killing people

1107

00:43:34,370 --> 00:43:32,609

I've seen ads on the television by one

1108

00:43:35,959 --> 00:43:34,380

the Kardashians up telling us how to get

1109

00:43:37,339 --> 00:43:35,969

rid of pimples is there a more simple

1110

00:43:41,239 --> 00:43:37,349

way of getting rid of pimples that you

1111

00:43:43,729 --> 00:43:41,249

would recommend dr. Carr or what was the

1112

00:43:45,380 --> 00:43:43,739

condition of method but basically it was

1113

00:43:47,449 --> 00:43:45,390

like something we put on there to like

1114

00:43:48,920 --> 00:43:47,459

help your skin get better and kill the

1115

00:43:50,209 --> 00:43:48,930

bugs and that kind of thing and

1116

00:43:51,620 --> 00:43:50,219

something or another was what's you're

1117

00:43:53,209 --> 00:43:51,630

selling but I'm just running what's the

1118

00:43:55,960 --> 00:43:53,219

general advice to keep pimples or acne

1119

00:43:58,210 --> 00:43:55,970

to a minimum anyway

1120

00:44:00,710 --> 00:43:58,220

hormones play a part

1121

00:44:05,450 --> 00:44:00,720

diet plays a microscopic part if

1122

00:44:05,900 --> 00:44:05,460

anything bacteria on the skin can play a

1123

00:44:08,059 --> 00:44:05,910

part

1124

00:44:09,470 --> 00:44:08,069

I don't have enough information to be

1125

00:44:11,779 --> 00:44:09,480

able to give a coherent answer I'm

1126  
00:44:13,220 --> 00:44:11,789  
bombing out okay but probably washing

1127  
00:44:15,940 --> 00:44:13,230  
the face fairly often wouldn't be a bad

1128  
00:44:18,529 --> 00:44:15,950  
idea yes and no you shouldn't use so oh

1129  
00:44:21,710 --> 00:44:18,539  
no you're so good it scours too much

1130  
00:44:24,500 --> 00:44:21,720  
does it well you have fat changes pee on

1131  
00:44:28,069 --> 00:44:24,510  
the skin and the fat comes from two

1132  
00:44:30,920 --> 00:44:28,079  
sources one is from sebum from the

1133  
00:44:33,680 --> 00:44:30,930  
sebaceous glands and you can increase

1134  
00:44:37,069 --> 00:44:33,690  
the supply or not as your body sees fit

1135  
00:44:40,880 --> 00:44:37,079  
the other sort of source of fat is the

1136  
00:44:42,920 --> 00:44:40,890  
plasma membranes around your dead skin

1137  
00:44:46,220 --> 00:44:42,930  
cells and they died a pretty constant

1138  
00:44:48,500 --> 00:44:46,230

rate so you can't really increase that

1139

00:44:51,920 --> 00:44:48,510

so if you use soap you wash off all of

1140

00:44:54,500 --> 00:44:51,930

fat and your body responds by trying to

1141

00:44:57,500 --> 00:44:54,510

put it out more sebum and in some cases

1142

00:44:59,620 --> 00:44:57,510

this could lead to acne so when I was

1143

00:45:03,130 --> 00:44:59,630

working in dermatology the kids Hospital

1144

00:45:06,319 --> 00:45:03,140

we found that for some cases sorbolene

1145

00:45:08,269 --> 00:45:06,329

it was 10% glycerine as a cream worked

1146

00:45:10,460 --> 00:45:08,279

really well for washing with but that's

1147

00:45:12,349 --> 00:45:10,470

a whole different story dr. Karl thank

1148

00:45:14,450 --> 00:45:12,359

you for a bit of skin advice said but go

1149

00:45:16,750 --> 00:45:14,460

to a good reputable website and read up

1150

00:45:18,920 --> 00:45:16,760

on it that's what I'd advise or CGP

1151

00:45:26,150 --> 00:45:18,930

thanks like the hell had funded our up

1152

00:45:48,780 --> 00:45:46,200

welcome message is that you are I can't

1153

00:45:53,460 --> 00:45:48,790

quite smarter than your parents this is

1154

00:45:55,380 --> 00:45:53,470

the tune effect discovered by Flynn and

1155

00:45:58,260 --> 00:45:55,390

the reason that they discovered it is

1156

00:46:03,440 --> 00:45:58,270

because the way that Americans learn

1157

00:46:08,310 --> 00:46:05,940

once every fourteen months in there two

1158

00:46:10,410 --> 00:46:08,320

hundred fifty year history and their

1159

00:46:12,090 --> 00:46:10,420

longest and ending out all of their

1160

00:46:13,890 --> 00:46:12,100

years of peace when they have not been

1161

00:46:16,560 --> 00:46:13,900

at war with another country you get a

1162

00:46:20,820 --> 00:46:16,570

grand abode was putting one bus allen

1163

00:46:23,810 --> 00:46:20,830

250 years and so the american support

1164

00:46:27,570 --> 00:46:23,820

since 1932 tens of millions of people

1165

00:46:29,430 --> 00:46:27,580

into the military and given them IQ test

1166

00:46:29,670 --> 00:46:29,440

under hard not preconditions none of

1167

00:46:33,480 --> 00:46:29,680

this

1168

00:46:35,490 --> 00:46:33,490

toilet we'll have the answer on my

1169

00:46:37,680 --> 00:46:35,500

smartphone it's angry people with

1170

00:46:40,440 --> 00:46:37,690

ballhead shouting at you to do your IQ

1171

00:46:44,490 --> 00:46:40,450

test and we've seen the are you going up

1172

00:46:46,710 --> 00:46:44,500

on IQ points every generation in America

1173

00:46:48,900 --> 00:46:46,720

and in every country around the world

1174

00:46:52,920 --> 00:46:48,910

where they bothered to measure your

1175

00:46:55,410 --> 00:46:52,930

queue of people when they're kids and so

1176  
00:46:58,860 --> 00:46:55,420  
forth and we've had to update the desk

1177  
00:47:02,160 --> 00:46:58,870  
the wisp for the waste wish where I at

1178  
00:47:03,510 --> 00:47:02,170  
all know the scale or the wish were into

1179  
00:47:05,490 --> 00:47:03,520  
scale for children we've haven't

1180  
00:47:07,560 --> 00:47:05,500  
upgraded through the one two three four

1181  
00:47:09,210 --> 00:47:07,570  
and make it harder the point first

1182  
00:47:12,270 --> 00:47:09,220  
message of buddhahood is that you are

1183  
00:47:13,530 --> 00:47:12,280  
the smartest generation ever all know

1184  
00:47:15,550 --> 00:47:13,540  
things if your kids will be smarter than

1185  
00:47:18,130 --> 00:47:15,560  
you don't worry about it

1186  
00:47:19,900 --> 00:47:18,140  
second thing is we are living in the

1187  
00:47:22,780 --> 00:47:19,910  
most peaceful time ever in the history

1188  
00:47:26,410 --> 00:47:22,790

of human race read the book

1189

00:47:28,630 --> 00:47:26,420

merchants re effect fulness by hands

1190

00:47:32,440 --> 00:47:28,640

Ross Lee and the better angels of our

1191

00:47:34,420 --> 00:47:32,450

nature by Steven Pinker the disadvantage

1192

00:47:36,820 --> 00:47:34,430

with a long period of peace is if you

1193

00:47:40,359 --> 00:47:36,830

end up with more social financial

1194

00:47:42,640 --> 00:47:40,369

inequality read capitalism in 21st

1195

00:47:44,740 --> 00:47:42,650

century by Piketty and the Four Horsemen

1196

00:47:48,040 --> 00:47:44,750

of the Apocalypse by Shiva there will be

1197

00:47:50,170 --> 00:47:48,050

an exam for you surrounding that we're

1198

00:47:51,640 --> 00:47:50,180

speaking 8% so the second thing is that

1199

00:47:53,440 --> 00:47:51,650

we are living in the most peaceful time

1200

00:47:54,730 --> 00:47:53,450

ever in history of the human race the

1201

00:47:58,900 --> 00:47:54,740

third thing is it with regard to global

1202

00:48:01,240 --> 00:47:58,910

warming we increase it think back to the

1203

00:48:02,190 --> 00:48:01,250

7th of December 1941 anybody know what

1204

00:48:06,550 --> 00:48:02,200

happened on that day

1205

00:48:08,200 --> 00:48:06,560

merhaba within nine months all the car

1206

00:48:12,670 --> 00:48:08,210

factories in America a big converter

1207

00:48:14,560 --> 00:48:12,680

making weapons of destruction or sorry

1208

00:48:17,170 --> 00:48:14,570

defense sorry there's no war that's only

1209

00:48:19,030 --> 00:48:17,180

defense here how come there's not a

1210

00:48:20,500 --> 00:48:19,040

single department of war in any country

1211

00:48:24,160 --> 00:48:20,510

in the world they are all defense this

1212

00:48:27,370 --> 00:48:25,900

within nine months the number of cars

1213

00:48:29,499 --> 00:48:27,380

made for the domestic market was zero

1214

00:48:31,059 --> 00:48:29,509

and eye-popping things out like the b-17

1215

00:48:33,190 --> 00:48:31,069

which is this huge plane that could

1216

00:48:34,990 --> 00:48:33,200

carry tens of tons of bombs of the crew

1217

00:48:37,120 --> 00:48:35,000

of ten and fly most of the way to put

1218

00:48:39,370 --> 00:48:37,130

and back at 400 kilometres an hour and

1219

00:48:43,599 --> 00:48:39,380

now popping them out of there converted

1220

00:48:45,039 --> 00:48:43,609

car factories the huge flames what car

1221

00:48:47,980 --> 00:48:45,049

factory alone typically instead of

1222

00:48:52,029 --> 00:48:47,990

making one plane of month was making one

1223

00:48:55,240 --> 00:48:52,039

plane an hour so we could pop these out

1224

00:48:59,499 --> 00:48:55,250

I've been into a city and which the

1225

00:49:01,539 --> 00:48:59,509

Prius has roll off at one minute it's

1226  
00:49:06,700 --> 00:49:01,549  
not as though two people make the whole

1227  
00:49:09,180 --> 00:49:06,710  
precinct one minute down there and

1228  
00:49:13,210 --> 00:49:09,190  
they're putting off so with regard to

1229  
00:49:15,009 --> 00:49:13,220  
global warming we fix up electricity and

1230  
00:49:17,230 --> 00:49:15,019  
go totally renewable for the whole world

1231  
00:49:20,049 --> 00:49:17,240  
something following this story since I

1232  
00:49:24,370 --> 00:49:20,059  
started back in 1976 reading about them

1233  
00:49:27,099 --> 00:49:24,380  
so we can what I've read we can go

1234  
00:49:30,400 --> 00:49:27,109  
totally renewable for electricity for

1235  
00:49:32,710 --> 00:49:30,410  
the whole world in just a year in ten

1236  
00:49:35,220 --> 00:49:32,720  
years if we decide to do it but the

1237  
00:49:39,249 --> 00:49:35,230  
Americans will Harbor we can go totally

1238  
00:49:41,710 --> 00:49:39,259

renewable for transport in 15 years and

1239

00:49:43,509 --> 00:49:41,720

basically they run a plane waiting

1240

00:49:47,470 --> 00:49:43,519

several hundred times over to Europe

1241

00:49:49,630 --> 00:49:47,480

from Australia you stop the kerosene as

1242

00:49:54,009 --> 00:49:49,640

fuel by the way to receive jet fuel and

1243

00:49:57,249 --> 00:49:54,019

you give it hydrogen but on the hydrogen

1244

00:50:00,670 --> 00:49:57,259

is that it has one sixth of the energy

1245

00:50:03,099 --> 00:50:00,680

density per volume of kerosene four

1246

00:50:05,079 --> 00:50:03,109

times per pass the one sixth of the

1247

00:50:08,019 --> 00:50:05,089

volume so basically you get an Airbus

1248

00:50:10,990 --> 00:50:08,029

380 and fill the entire top or bottom

1249

00:50:12,759 --> 00:50:11,000

deck with hydrogen and you take a

1250

00:50:14,900 --> 00:50:12,769

reduced number of passengers and we

1251

00:50:17,390 --> 00:50:14,910

still are able to have

1252

00:50:20,779 --> 00:50:17,400

for around the world and then with

1253

00:50:23,299 --> 00:50:20,789

regard to carbon dioxide and it was

1254

00:50:25,220 --> 00:50:23,309

livestock and agriculture I'm reckoning

1255

00:50:27,410 --> 00:50:25,230

30 40 years because they're live now

1256

00:50:29,900 --> 00:50:27,420

trying find us and then also a lot

1257

00:50:32,660 --> 00:50:29,910

better powerful messages of hope

1258

00:50:34,450 --> 00:50:32,670

now who among you have ever run for

1259

00:50:39,380 --> 00:50:34,460

politics

1260

00:50:42,890 --> 00:50:39,390

love you

1261

00:50:44,180 --> 00:50:42,900

I read for what the unknown to Berkeley

1262

00:50:46,370 --> 00:50:44,190

what party with you is or in particular

1263

00:50:48,230 --> 00:50:46,380

that particular right

1264

00:50:56,510 --> 00:50:48,240

I read to the cloud change coalition in

1265

00:50:58,039 --> 00:50:56,520

2007 anybody vote for me I got 44

1266

00:50:59,750 --> 00:50:58,049

thousand votes on the line which is a

1267

00:51:01,490 --> 00:50:59,760

record apparently in Australia for votes

1268

00:51:04,359 --> 00:51:01,500

on the line we have two that one or two

1269

00:51:07,640 --> 00:51:04,369

hundred on this huge bit of kit paper

1270

00:51:08,960 --> 00:51:07,650

but I didn't get enough to get in which

1271

00:51:10,700 --> 00:51:08,970

was seven hundred eighty two thousand

1272

00:51:14,150 --> 00:51:10,710

votes because we didn't have enough

1273

00:51:16,309 --> 00:51:14,160

money so for three thousand for \$5,000

1274

00:51:20,059 --> 00:51:16,319

all we got was a thirty secret adverse

1275

00:51:28,910 --> 00:51:20,069

man on TV at the unattractive time of

1276  
00:51:32,410 --> 00:51:28,920  
three o'clock on a Sunday morning the

1277  
00:51:35,420 --> 00:51:32,420  
fascinating ads for the dominoes er

1278  
00:51:38,810 --> 00:51:35,430  
romantic frontman and Izzy's amazing

1279  
00:51:43,410 --> 00:51:40,950  
again fundamentalist government and

1280  
00:51:44,520 --> 00:51:43,420  
Brittany kitchens from Versailles I'm

1281  
00:51:45,750 --> 00:51:44,530  
still paying off the quarter of a

1282  
00:51:49,820 --> 00:51:45,760  
million dollars if I got a great

1283  
00:51:53,730 --> 00:51:49,830  
education education goes like this

1284  
00:51:56,010 --> 00:51:53,740  
how's he done said how I rose out of the

1285  
00:51:58,800 --> 00:51:56,020  
barrel of a gun which it does in some

1286  
00:52:02,160 --> 00:51:58,810  
parts of the world but where we are it

1287  
00:52:05,730 --> 00:52:02,170  
grows out of Parliament on your TV or

1288  
00:52:08,130 --> 00:52:05,740

your on TV people to vote for me

1289

00:52:10,920 --> 00:52:08,140

fellow relative parliament we're doing

1290

00:52:13,400 --> 00:52:10,930

God's work two-twenty God in the on

1291

00:52:18,480 --> 00:52:13,410

Stoney in fashion

1292

00:52:20,760 --> 00:52:18,490

Leo no or great one so that's where the

1293

00:52:24,060 --> 00:52:20,770

power is and the most important thing

1294

00:52:26,310 --> 00:52:24,070

does the politicians ever did was to set

1295

00:52:28,050 --> 00:52:26,320

up the system so that when you say to a

1296

00:52:31,050 --> 00:52:28,060

naive person whether you're in politics

1297

00:52:33,170 --> 00:52:31,060

they go I couldn't do that they have one

1298

00:52:36,930 --> 00:52:33,180

with that a claim of what by you

1299

00:52:38,910 --> 00:52:36,940

refusing to do anything the bad people

1300

00:52:41,040 --> 00:52:38,920

with run for politics will support

1301  
00:52:44,190 --> 00:52:41,050  
somebody who can if they global warming

1302  
00:52:51,410 --> 00:52:44,200  
is totally fixable all we have to do is

1303  
00:53:00,890 --> 00:52:56,809  
I pass you on to a ranch again who has a

1304  
00:53:08,059 --> 00:53:05,180  
who here is ahead of Brittany's okay

1305  
00:53:10,359 --> 00:53:08,069  
fair number sir Vietnamese is a former

1306  
00:53:12,730 --> 00:53:10,369  
naturopath imagine for my naturopath who

1307  
00:53:15,200 --> 00:53:12,740  
while working as a very successful

1308  
00:53:19,490 --> 00:53:15,210  
natural undiscovered the plea of the

1309  
00:53:22,130 --> 00:53:19,500  
profession is funded she was horrified

1310  
00:53:24,680 --> 00:53:22,140  
to discover some of the problems with a

1311  
00:53:28,309 --> 00:53:24,690  
profession and she's left the profession

1312  
00:53:32,539 --> 00:53:28,319  
with a hidden debts of a quarter of a

1313  
00:53:35,240 --> 00:53:32,549

million dollars and and started writing

1314

00:53:39,799 --> 00:53:35,250

about naturopathy in a website called

1315

00:53:42,440 --> 00:53:39,809

naturopathic Diaries and for her efforts

1316

00:53:48,309 --> 00:53:42,450

Britt was sued by an American naturopath

1317

00:53:52,069 --> 00:53:48,319

named Christine Colleen Hoover it ube on

1318

00:53:54,039 --> 00:53:52,079

that court case so that brought case

1319

00:53:57,019 --> 00:53:54,049

obviously caused significant distress

1320

00:53:58,509 --> 00:53:57,029

the britain basically was an attempt to

1321

00:54:00,620 --> 00:53:58,519

silence her

1322

00:54:02,569 --> 00:54:00,630

australian skeptics even though

1323

00:54:05,359 --> 00:54:02,579

Brittany's an American living in Germany

1324

00:54:07,519 --> 00:54:05,369

but she's part of the skeptical movement

1325

00:54:10,849 --> 00:54:07,529

and Australian skeptics organized a

1326  
00:54:14,150 --> 00:54:10,859  
fundraising campaign for her and we

1327  
00:54:16,640 --> 00:54:14,160  
wanted to raise fifty thousand euros

1328  
00:54:19,039 --> 00:54:16,650  
because that's what the estimate was by

1329  
00:54:21,769 --> 00:54:19,049  
her lawyer the cost would be in the

1330  
00:54:24,170 --> 00:54:21,779  
worst case scenario and we raised that

1331  
00:54:27,109 --> 00:54:24,180  
amount which is eighty thousand

1332  
00:54:28,849 --> 00:54:27,119  
Australian dollars in nine days I mean

1333  
00:54:31,400 --> 00:54:28,859  
when I say we raised it's got to point

1334  
00:54:34,099 --> 00:54:31,410  
out it's the community that I mean we

1335  
00:54:36,620 --> 00:54:34,109  
did not put money and we simply organize

1336  
00:54:40,089 --> 00:54:36,630  
the kind of the campaign and within nine

1337  
00:54:44,480 --> 00:54:40,099  
days we met the the goal of 80 thousand

1338  
00:54:46,860 --> 00:54:44,490

## Australian dollars and donations

1339

00:54:49,170 --> 00:54:46,870

continued and we buy now we have raised

1340

00:54:56,670 --> 00:54:49,180

things about 108 or something something

1341

00:54:59,160 --> 00:54:56,680

like what about \$110,000 by now the the

1342

00:55:02,010 --> 00:54:59,170

case for what we said at the time was

1343

00:55:04,860 --> 00:55:02,020

that whatever is left over after brits

1344

00:55:06,950 --> 00:55:04,870

with whether she loses or or wins

1345

00:55:09,480 --> 00:55:06,960

whatever is left over will be used for

1346

00:55:12,270 --> 00:55:09,490

some good skeptical cause including

1347

00:55:14,820 --> 00:55:12,280

potentially a skeptical Legal Defense

1348

00:55:19,410 --> 00:55:14,830

Fund for such occasions in the future

1349

00:55:27,090 --> 00:55:19,420

so um rich in early May Britain won her

1350

00:55:30,980 --> 00:55:27,100

case but there was still a lingering

1351  
00:55:32,130 --> 00:55:30,990  
doubt because what happened was that

1352  
00:55:36,930 --> 00:55:32,140  
coming

1353  
00:55:40,500 --> 00:55:36,940  
Gruber had until yesterday to appeal and

1354  
00:55:40,980 --> 00:55:40,510  
she didn't the case is now officially

1355  
00:55:45,120 --> 00:55:40,990  
over

1356  
00:55:46,830 --> 00:55:45,130  
and so so yes so we just received the

1357  
00:55:48,900 --> 00:55:46,840  
early morning in Germany just just

1358  
00:55:50,520 --> 00:55:48,910  
before I walked up these stairs I

1359  
00:55:53,010 --> 00:55:50,530  
received them a message from the brick

1360  
00:55:55,140 --> 00:55:53,020  
that's up that's it the case is over

1361  
00:55:56,910 --> 00:55:55,150  
there's still some legal technicalities

1362  
00:55:58,410 --> 00:55:56,920  
to deal with like richelene Hoover has

1363  
00:56:00,390 --> 00:55:58,420

to pay something northern you to mount

1364

00:56:02,490 --> 00:56:00,400

appears to play something but that's it

1365

00:56:05,490 --> 00:56:02,500

Britta's one officially finally she

1366

00:56:07,560 --> 00:56:05,500

cannot be sued for it for this for this

1367

00:56:09,000 --> 00:56:07,570

supposed information ever again and it's

1368

00:56:09,490 --> 00:56:09,010

a great victory for the skeptical

1369

00:56:13,490 --> 00:56:09,500

community

1370

00:56:13,500 --> 00:56:26,210

[Applause]

1371

00:56:31,530 --> 00:56:29,280

paleo pictures proudly announces that it

1372

00:56:35,550 --> 00:56:31,540

has secured the future of an alkaline

1373

00:56:37,530 --> 00:56:35,560

dinosaur paleo pictures CEO and

1374

00:56:40,170 --> 00:56:37,540

vertebrate paleontologist associate

1375

00:56:42,240 --> 00:56:40,180

professor Paul Willis is excited about

1376

00:56:46,560 --> 00:56:42,250

this opportunity to protect and study

1377

00:56:49,500 --> 00:56:46,570

these rare fossils only in Australia did

1378

00:56:52,590 --> 00:56:49,510

get dinosaur fossils that are also solid

1379

00:56:54,690 --> 00:56:52,600

opal the fossils come from lightning

1380

00:56:56,640 --> 00:56:54,700

ridge in New South Wales and they were

1381

00:56:59,430 --> 00:56:56,650

found by opal miners during their

1382

00:57:01,980 --> 00:56:59,440

diggings we don't actually know what

1383

00:57:03,990 --> 00:57:01,990

we've got we don't know how much the

1384

00:57:06,510 --> 00:57:04,000

skeletons there and we don't know what

1385

00:57:08,580 --> 00:57:06,520

kind of dinosaur it is it could be new

1386

00:57:11,370 --> 00:57:08,590

to science but it's certainly a

1387

00:57:13,620 --> 00:57:11,380

beautiful specimen currently the bones

1388

00:57:16,260 --> 00:57:13,630

are still encased in white rock and

1389

00:57:20,610 --> 00:57:16,270

bundled up into a briefcase and two

1390

00:57:23,160 --> 00:57:20,620

cardboard boxes these are rare pieces of

1391

00:57:25,890 --> 00:57:23,170

Australia's natural heritage and it's

1392

00:57:29,220 --> 00:57:25,900

our honor to play our part in preserving

1393

00:57:32,400 --> 00:57:29,230

this wonderful specimen for future

1394

00:57:34,500 --> 00:57:32,410

generations of Australians paleo

1395

00:57:36,930 --> 00:57:34,510

pictures will be funding the restoration

1396

00:57:40,370 --> 00:57:36,940

and study of this dinosaur as part of

1397

00:57:42,930 --> 00:57:40,380

making a documentary about open fossils

1398

00:57:45,060 --> 00:57:42,940

paleo pictures will eventually donate

1399

00:57:47,490 --> 00:57:45,070

the fossils to the Australian opal

1400

00:57:49,710 --> 00:57:47,500

Center enlightening Rindge the

1401  
00:57:53,130 --> 00:57:49,720  
Australian opal Center is still under

1402  
00:57:56,160 --> 00:57:53,140  
construction and will be opened in 2021

1403  
00:57:59,270 --> 00:57:56,170  
with our dinosaur on display alongside

1404  
00:58:01,860 --> 00:57:59,280  
many other beautiful of opalized fossils

1405  
00:58:03,960 --> 00:58:01,870  
hopefully we can figure out what this

1406  
00:58:06,390 --> 00:58:03,970  
dinosaur was all about and paleo

1407  
00:58:09,810 --> 00:58:06,400  
pictures will actually be making a video

1408  
00:58:11,970 --> 00:58:09,820  
to show everybody the steps involved in

1409  
00:58:15,270 --> 00:58:11,980  
bringing an ancient dinosaur back to

1410  
00:58:16,510 --> 00:58:15,280  
life and the wonders of Australia's opal

1411  
00:58:18,740 --> 00:58:16,520  
fossils

1412  
00:58:20,870 --> 00:58:18,750  
Palio pictures is currently raising

1413  
00:58:23,300 --> 00:58:20,880

funds to conduct the preparation and

1414

00:58:26,240 --> 00:58:23,310

research on this dinosaur and make the

1415

00:58:30,260 --> 00:58:26,250

documentary to find out more please go

1416

00:58:32,630 --> 00:58:30,270

to our website visit Paleo pictures calm

1417

00:58:33,230 --> 00:58:32,640

or just follow the link in this week's

1418

00:58:42,660 --> 00:58:33,240

show nose

1419

00:58:46,719 --> 00:58:45,009

thank you for listening to the skeptic

1420

00:58:49,150 --> 00:58:46,729

zone and thank you maenad for a huge

1421

00:58:51,459 --> 00:58:49,160

effort this week don't forget folks to

1422

00:58:54,940 --> 00:58:51,469

visit may not calm day you for his

1423

00:58:58,059 --> 00:58:54,950

podcasts and live shows including movie

1424

00:59:00,219 --> 00:58:58,069

nights and The Love Shack thank you to

1425

00:59:02,650 --> 00:59:00,229

those people who continue to support the

1426

00:59:08,170 --> 00:59:02,660

skeptic zone via PayPal or patreon you

1427

00:59:10,120 --> 00:59:08,180

can do that at skeptic zone TV and it's

1428

00:59:12,789 --> 00:59:10,130

appreciated and it means the show keeps

1429

00:59:14,499 --> 00:59:12,799

going and in fact if people weren't

1430

00:59:16,900 --> 00:59:14,509

supporting the show I couldn't do it

1431

00:59:19,269 --> 00:59:16,910

simple as that there would be no skeptic

1432

00:59:21,759 --> 00:59:19,279

zone so it's thanks to you people and

1433

00:59:25,170 --> 00:59:21,769

you know who you are who are chipping in

1434

00:59:27,880 --> 00:59:25,180

every week that means the rest of you

1435

00:59:31,870 --> 00:59:27,890

can enjoy hopefully enjoy the skeptic

1436

00:59:35,039 --> 00:59:31,880

zone now before I sign off completely if

1437

00:59:38,259 --> 00:59:35,049

you go to the skeptic zone Facebook page

1438

00:59:39,910 --> 00:59:38,269

just look up skeptic zone podcast or

1439

00:59:42,759 --> 00:59:39,920

skeptic son on Facebook or follow the

1440

00:59:48,279 --> 00:59:42,769

links at skeptic zone TV I have posted a

1441

00:59:50,099 --> 00:59:48,289

picture of me standing on a highway or a

1442

00:59:52,630 --> 00:59:50,109

road outside of Albuquerque New Mexico

1443

00:59:54,609 --> 00:59:52,640

the photograph was taken by my friend

1444

00:59:57,819 --> 00:59:54,619

Ben Radford when I was there recently

1445

00:59:59,920 --> 00:59:57,829

and I said the bed I just wanted some

1446

01:00:02,099 --> 00:59:59,930

photographs of the me on the desert road

1447

01:00:05,019 --> 01:00:02,109

something like that a bit of a souvenir

1448

01:00:10,509 --> 01:00:05,029

and when I looked at the photograph

1449

01:00:11,109 --> 01:00:10,519

closely I noticed above my head unto the

1450

01:00:18,130 --> 01:00:11,119

right

1451

01:00:20,440 --> 01:00:18,140

a UFO I'm serious it's strange it's

1452

01:00:23,160 --> 01:00:20,450

spooky and you can see the photograph

1453

01:00:24,940 --> 01:00:23,170

for yourself on the skeptics own

1454

01:00:27,729 --> 01:00:24,950

Facebook page

1455

01:00:32,589 --> 01:00:27,739

I'd be interested to know your opinions

1456

01:00:34,749 --> 01:00:32,599

but for this week of the wind howling

1457

01:00:37,509 --> 01:00:34,759

outside the window and the cat's howling

1458

01:00:39,489 --> 01:00:37,519

outside the door again hmm

1459

01:00:45,020 --> 01:00:39,499

this is Richard Saunders signing off

1460

01:00:50,430 --> 01:00:47,520

you've been listening to the skeptic

1461

01:00:57,120 --> 01:00:50,440

zone podcast please visit our website at

1462

01:01:00,620 --> 01:00:57,130

wwlp.com tax and to access the bat

1463

01:01:03,300 --> 01:01:00,630

catalog of episodes going back to 2008

1464

01:01:06,570 --> 01:01:03,310

you can follow the skeptic zone podcast

1465

01:01:08,850 --> 01:01:06,580

on twitter at skeptic zone visit our

1466

01:01:09,740 --> 01:01:08,860

facebook page or leave a review on

1467

01:01:12,420 --> 01:01:09,750

itunes

1468

01:01:15,810 --> 01:01:12,430

you can also support the skeptic zone

1469

01:01:18,530 --> 01:01:15,820

via patreon or paypal the skeptic zone

1470

01:01:20,910 --> 01:01:18,540

podcast is an independent production

1471

01:01:23,070 --> 01:01:20,920

reviews and opinions expressed on the

1472

01:01:25,380 --> 01:01:23,080

skeptic zone are not necessarily those

1473

01:01:27,180 --> 01:01:25,390

of Australian skeptics or any other

1474

01:01:38,440 --> 01:01:27,190

skeptical organization

1475

01:01:43,490 --> 01:01:41,270

hello people who listen after the music

1476

01:01:46,580 --> 01:01:43,500

the afterthoughts people this week I

1477

01:01:48,440 --> 01:01:46,590

have a six-sided die it's a it's a great

1478

01:01:53,320 --> 01:01:48,450

one actually I got it from Albuquerque

1479

01:01:56,510 --> 01:01:53,330

New Mexico it's an alien die it so

1480

01:01:56,930 --> 01:01:56,520

instead of a dot for one it has an alien

1481

01:01:58,370 --> 01:01:56,940

head

1482

01:02:02,270 --> 01:01:58,380

you know the classic Close Encounters

1483

01:02:05,930 --> 01:02:02,280

alien the gray with the big eyes for two

1484

01:02:08,210 --> 01:02:05,940

we have two little UFOs the classic

1485

01:02:10,880 --> 01:02:08,220

saucer shaped with some with three legs

1486

01:02:13,040 --> 01:02:10,890

a little bubble and I guess an alien

1487

01:02:17,500 --> 01:02:13,050

inside now what's three three is an

1488

01:02:23,150 --> 01:02:17,510

alien spaceship UFO plus two alien eyes

1489

01:02:25,700 --> 01:02:23,160

what is for alien eyes five where we got

1490

01:02:30,650 --> 01:02:25,710

here for alien eyes again plus one UFO

1491

01:02:32,000 --> 01:02:30,660

making five and six yeah six alien eyes

1492

01:02:34,640 --> 01:02:32,010

all right

1493

01:02:36,530 --> 01:02:34,650

one two three four five six I'm gonna

1494

01:02:39,830 --> 01:02:36,540

shake the die and I want you to use your

1495

01:02:43,550 --> 01:02:39,840

psychic alien predicting powers psychic

1496

01:02:45,230 --> 01:02:43,560

alien predicting powers and see if you

1497

01:02:47,480 --> 01:02:45,240

can come up with numbers you have one in

1498

01:02:52,490 --> 01:02:47,490

six chance of getting the first one here

1499

01:02:55,820 --> 01:02:52,500

we go and the first number up is three

1500

01:03:03,890 --> 01:02:55,830

which means it's one UFO and two alien

1501

01:03:07,280 --> 01:03:03,900

is three okay next one to two UFOs

1502

01:03:12,440 --> 01:03:07,290

flying along and last wonder how your

1503

01:03:15,920 --> 01:03:12,450

predictions are going last one is one a