

1
00:00:06,759 --> 00:00:12,679
welcome to the skeptic zone the podcast

2
00:00:09,919 --> 00:00:14,750
from Australia for science and reason

3
00:00:12,679 --> 00:00:17,800
[Music]

4
00:00:14,750 --> 00:00:17,800
[Applause]

5
00:00:17,960 --> 00:00:24,269
[Music]

6
00:00:24,269 --> 00:00:32,049
yes it's the skeptic zone podcast

7
00:00:26,829 --> 00:00:35,189
episode number 564 the 14th of july 2019

8
00:00:32,049 --> 00:00:38,469
richardsaunders here with you from windy

9
00:00:35,189 --> 00:00:42,399
overcast cold Sydney Australia

10
00:00:38,469 --> 00:00:43,808
Oh jetlag is a wonderful thing when you

11
00:00:42,399 --> 00:00:47,259
come back to Australia because you get

12
00:00:43,808 --> 00:00:49,599
up nice and early to do lots of work on

13
00:00:47,259 --> 00:00:50,259
the podcast coming up on this week's

14
00:00:49,600 --> 00:00:53,978
show

15
00:00:50,259 --> 00:00:55,899
it's a Maynard special it's really I'm

16
00:00:53,978 --> 00:00:58,390
giving the whole show over to Maynard

17
00:00:55,899 --> 00:01:00,789
this week Thank You Mae none for

18
00:00:58,390 --> 00:01:03,609
stepping in and doing lots of work while

19
00:01:00,789 --> 00:01:06,250
I was away may not kicks off the show

20
00:01:03,609 --> 00:01:08,709
this week with an interview with Jenny

21
00:01:06,250 --> 00:01:09,478
Cheeseman from the cashew la power house

22
00:01:08,709 --> 00:01:12,429
now

23
00:01:09,478 --> 00:01:14,260
Maynard I are no strangers to the khushu

24
00:01:12,430 --> 00:01:18,900
love power house and many other skeptics

25
00:01:14,260 --> 00:01:23,049
as well we go there every year for the

26
00:01:18,900 --> 00:01:23,710
paranormal and spiritual Expo who this

27
00:01:23,049 --> 00:01:25,960
time

28
00:01:23,709 --> 00:01:28,509
however I'm pleased to say more or less

29

00:01:25,959 --> 00:01:31,359
the power house has been given over to

30
00:01:28,510 --> 00:01:33,670
real science they have an exhibition

31
00:01:31,359 --> 00:01:35,890
called giant leap or revolving around

32
00:01:33,670 --> 00:01:38,769
the 50th anniversary of the moon

33
00:01:35,890 --> 00:01:41,469
landings moon memorabilia moon memories

34
00:01:38,769 --> 00:01:45,250
and some ancient myths thrown in along

35
00:01:41,469 --> 00:01:46,569
the way sort of cultural references to

36
00:01:45,250 --> 00:01:47,590
the moon sounds like a fascinating

37
00:01:46,569 --> 00:01:49,539
exhibition

38
00:01:47,590 --> 00:01:51,969
I hope may not and I can get out there

39
00:01:49,540 --> 00:01:53,770
and see it for ourselves nevertheless

40
00:01:51,969 --> 00:01:55,810
this interview with Jenny Cheeseman

41
00:01:53,769 --> 00:01:57,729
should have whet your appetite following

42
00:01:55,810 --> 00:02:00,909
that may not heads to skeptics in the

43
00:01:57,730 --> 00:02:05,170

pub and he asks the big question a big

44

00:02:00,909 --> 00:02:09,429

question of pub goers why do people take

45

00:02:05,170 --> 00:02:13,318

advice from celebrities / scientists

46

00:02:09,429 --> 00:02:15,939

from what I understand it was a pact

47

00:02:13,318 --> 00:02:17,798

skeptics in the pub because the guest

48

00:02:15,939 --> 00:02:21,009

speaker was none other than dr. Kyle

49

00:02:17,799 --> 00:02:22,900

Cruz Ole Miss key and after Maynard runs

50

00:02:21,009 --> 00:02:25,598

around with his microphone talking to

51

00:02:22,900 --> 00:02:28,469

pub goers may not interviews dr. Karl

52

00:02:25,598 --> 00:02:31,239

and I think you'll agree it is a

53

00:02:28,469 --> 00:02:33,639

wide-ranging interview many topics

54

00:02:31,240 --> 00:02:34,719

covered following that a short excerpt

55

00:02:33,639 --> 00:02:36,819

from

56

00:02:34,719 --> 00:02:38,889

Carles talk where he takes a question

57

00:02:36,819 --> 00:02:41,500

from none other than trish Han our

58
00:02:38,889 --> 00:02:42,849
reporter vice-president of Australian

59
00:02:41,500 --> 00:02:44,530
skeptics now reported here on the

60
00:02:42,849 --> 00:02:46,449
sceptic zone with her segment Trish and

61
00:02:44,530 --> 00:02:49,840
chips then to round off that whole

62
00:02:46,449 --> 00:02:52,359
segment we have Iran Segev giving us an

63
00:02:49,840 --> 00:02:54,969
update on the Britt Hermes case Britt

64
00:02:52,360 --> 00:02:58,560
Hermes you will remember was a former

65
00:02:54,969 --> 00:03:02,979
naturopath who well saw the light I

66
00:02:58,560 --> 00:03:05,620
suppose you'd say and was sued for her

67
00:03:02,979 --> 00:03:08,049
opinions what's the latest on Britt's

68
00:03:05,620 --> 00:03:10,090
legal case find out later on with rants

69
00:03:08,050 --> 00:03:13,030
again and right at the end of the show

70
00:03:10,090 --> 00:03:18,129
find out how you can help secure the

71
00:03:13,030 --> 00:03:20,800
future of a fossilized opalized dinosaur

72
00:03:18,129 --> 00:03:22,959
from Australia now before we get into

73
00:03:20,800 --> 00:03:25,090
the show a brief moment from me to talk

74
00:03:22,959 --> 00:03:27,789
about my memories of the moon landing I

75
00:03:25,090 --> 00:03:31,539
was very young at the time let me see I

76
00:03:27,789 --> 00:03:34,269
would not have been for almost for

77
00:03:31,539 --> 00:03:36,819
something like that very young and my

78
00:03:34,270 --> 00:03:38,170
vague vague vague memories are of

79
00:03:36,819 --> 00:03:42,129
sitting in front of the television

80
00:03:38,169 --> 00:03:44,949
watching the astronauts jumping up and

81
00:03:42,129 --> 00:03:48,099
down on the moon now here's the thing I

82
00:03:44,949 --> 00:03:52,479
don't know if I'm remembering the actual

83
00:03:48,099 --> 00:03:56,829
broadcast or if I'm remembering watching

84
00:03:52,479 --> 00:03:58,750
the home movies my dad took pointing the

85
00:03:56,830 --> 00:04:03,340
camera at the television of the

86

00:03:58,750 --> 00:04:05,650
astronauts on the moon I can't say but

87
00:04:03,340 --> 00:04:09,280
somewhere in the Saunders archives are

88
00:04:05,650 --> 00:04:13,000
my father's home movies taken in 1969

89
00:04:09,280 --> 00:04:14,650
taken 50 years ago in Canada as it

90
00:04:13,000 --> 00:04:17,529
happens that's where we were living at

91
00:04:14,650 --> 00:04:21,009
the time when Neil Armstrong set foot

92
00:04:17,529 --> 00:04:23,049
upon the moon and what a bizarre world

93
00:04:21,009 --> 00:04:26,168
we live in when years and years and

94
00:04:23,050 --> 00:04:30,579
years and decades later the moon

95
00:04:26,168 --> 00:04:33,639
landings were faked nonsense sprung up

96
00:04:30,579 --> 00:04:36,550
around the world and there are still

97
00:04:33,639 --> 00:04:39,339
people to this day who are convinced

98
00:04:36,550 --> 00:04:41,319
that the moon landings were faked I know

99
00:04:39,339 --> 00:04:43,609
some of them and more recently we've

100
00:04:41,319 --> 00:04:46,250

seen the rise of the Flat Earth move

101

00:04:43,610 --> 00:04:50,120
with thousands of young people

102

00:04:46,250 --> 00:04:52,519
especially now firmly believing that the

103

00:04:50,120 --> 00:04:55,069
world is flat and that we've been lied

104

00:04:52,519 --> 00:04:57,318
to all these years and NASA is full of

105

00:04:55,069 --> 00:04:59,689
lies and producing fake videos of they

106

00:04:57,319 --> 00:05:04,039
around Earth I guess it's up to all of

107

00:04:59,689 --> 00:05:09,259
us to try and step out these bizarre and

108

00:05:04,038 --> 00:05:10,938
crazy and false beliefs now you might

109

00:05:09,259 --> 00:05:17,449
hear a cat at the door I better open the

110

00:05:10,939 --> 00:05:23,599
door yes you're not going to come into

111

00:05:17,449 --> 00:05:34,250
the studio I've opened the yeah I hope

112

00:05:23,598 --> 00:05:37,310
the door you gonna come in any water why

113

00:05:34,250 --> 00:05:38,658
is it the cat's meow and meow and when

114

00:05:37,310 --> 00:05:41,000
you open the door they sort of look at

115
00:05:38,658 --> 00:05:45,680
you saying yes what do you want hello

116
00:05:41,000 --> 00:05:48,168
you've come in come on haven't seen you

117
00:05:45,680 --> 00:05:50,019
for a long time you're going to say

118
00:05:48,168 --> 00:05:55,038
something to the skeptic zone listeners

119
00:05:50,019 --> 00:06:00,348
um probably not all right off you go

120
00:05:55,038 --> 00:06:01,908
I'll feed you your breakfast soon that's

121
00:06:00,348 --> 00:06:03,439
what I should do folks well I run

122
00:06:01,908 --> 00:06:05,990
downstairs to feed those catch their

123
00:06:03,439 --> 00:06:07,160
breakfast I hope you enjoy the skipper

124
00:06:05,990 --> 00:06:18,319
exam

125
00:06:07,160 --> 00:06:18,319
[Music]

126
00:06:20,720 --> 00:06:23,799
[Music]

127
00:06:25,230 --> 00:06:29,379
ladies gentlemen listeners to the

128
00:06:27,519 --> 00:06:31,750
skeptic zone sure it was a great thing

129
00:06:29,379 --> 00:06:33,430
to put three guys on the moon repeatedly

130
00:06:31,750 --> 00:06:35,019
and bring them safely back to earth but

131
00:06:33,430 --> 00:06:37,180
they never put a whole museum on the

132
00:06:35,019 --> 00:06:39,129
moon particularly full of children with

133
00:06:37,180 --> 00:06:40,810
wearing Kellogg's packets on their heads

134
00:06:39,129 --> 00:06:43,600
and things like that that's going to be

135
00:06:40,810 --> 00:06:45,730
happening and a lot lot lot more at the

136
00:06:43,600 --> 00:06:47,110
Casula powerhouse all this month effect

137
00:06:45,730 --> 00:06:50,080
it's happening right now I have the code

138
00:06:47,110 --> 00:06:52,150
curator of giant sleep ginny Cheeseman

139
00:06:50,079 --> 00:06:54,250
on the phone hello Jenny hello how are

140
00:06:52,149 --> 00:06:57,069
you must be pretty excited there because

141
00:06:54,250 --> 00:06:58,959
it's very rarely that the entire Casilla

142
00:06:57,069 --> 00:07:02,110
power house gets given over to just one

143

00:06:58,959 --> 00:07:04,479
thing that's right yes it doesn't happen

144
00:07:02,110 --> 00:07:08,139
very often but every use every space is

145
00:07:04,480 --> 00:07:10,689
being utilized so that people can enjoy

146
00:07:08,139 --> 00:07:13,689
and concede oh I guess the momentous

147
00:07:10,689 --> 00:07:15,819
occasion of the first humans on the moon

148
00:07:13,689 --> 00:07:17,410
yes in some of the publicity ever sent

149
00:07:15,819 --> 00:07:19,149
out you said it might be the last time

150
00:07:17,410 --> 00:07:22,480
everybody agreed with something big the

151
00:07:19,149 --> 00:07:23,829
Americans did that's right yes I guess

152
00:07:22,480 --> 00:07:25,060
you could argue that one but yeah you're

153
00:07:23,829 --> 00:07:27,339
right they would they would they were

154
00:07:25,060 --> 00:07:28,899
dissenting voices but imagine if Trump

155
00:07:27,339 --> 00:07:30,969
tried to do that now even it was a good

156
00:07:28,899 --> 00:07:32,500
thing he'd get complaints I'm sure he

157
00:07:30,970 --> 00:07:34,240

would yes are we talking about how many

158

00:07:32,500 --> 00:07:36,459

dollars I think we're going into at this

159

00:07:34,240 --> 00:07:39,310

time I think and you've got artifacts

160

00:07:36,459 --> 00:07:41,889

and photos from the original mission is

161

00:07:39,310 --> 00:07:44,170

that correct yeah I guess the reason we

162

00:07:41,889 --> 00:07:45,969

put this exhibition together was you

163

00:07:44,170 --> 00:07:47,350

know everyone is under the same moon we

164

00:07:45,970 --> 00:07:48,460

all have a relationship with the moon

165

00:07:47,350 --> 00:07:51,250

and some people have different

166

00:07:48,459 --> 00:07:53,139

relationships and others and we wanted

167

00:07:51,250 --> 00:07:56,290

to consider that event where people

168

00:07:53,139 --> 00:07:58,719

walked on the moon and but also people's

169

00:07:56,290 --> 00:08:00,250

ongoing relationship so one of the

170

00:07:58,720 --> 00:08:02,920

things we did was ask people if they had

171

00:08:00,250 --> 00:08:05,410

any memorabilia or what their memories

172
00:08:02,920 --> 00:08:06,699
were of the moon landing and we've got

173
00:08:05,410 --> 00:08:10,320
things that people have hung on to for

174
00:08:06,699 --> 00:08:12,969
50 years the front covers of newspapers

175
00:08:10,319 --> 00:08:14,889
project books maybe window or 10 so

176
00:08:12,970 --> 00:08:17,650
obviously they're now 60 you know things

177
00:08:14,889 --> 00:08:19,719
like that so which has really fun we

178
00:08:17,649 --> 00:08:22,060
interviewed some of our local residents

179
00:08:19,720 --> 00:08:25,240
and asked them where they were and who

180
00:08:22,060 --> 00:08:28,899
they were with and you know they all

181
00:08:25,240 --> 00:08:30,939
recollect that event quite clearly even

182
00:08:28,899 --> 00:08:32,829
50 years later and remember who they are

183
00:08:30,939 --> 00:08:34,690
with me I can remember being stuck in

184
00:08:32,830 --> 00:08:36,129
kindergarten and made to watch it on a

185
00:08:34,690 --> 00:08:36,769
very very small black and white

186
00:08:36,129 --> 00:08:38,328
television

187
00:08:36,769 --> 00:08:42,078
which seemed rather modern and exciting

188
00:08:38,328 --> 00:08:44,149
at the time yeah I bet you were a really

189
00:08:42,078 --> 00:08:46,609
long way away from it as well yeah I was

190
00:08:44,149 --> 00:08:48,438
at the back as usual going what who what

191
00:08:46,610 --> 00:08:50,329
what is that on the television yes but

192
00:08:48,438 --> 00:08:51,948
everybody seems to remember that I seem

193
00:08:50,328 --> 00:08:53,988
to have this weird vague memory that it

194
00:08:51,948 --> 00:08:55,639
was bright burnt orange which was very

195
00:08:53,989 --> 00:08:58,399
modern for the time for a television to

196
00:08:55,639 --> 00:08:59,928
be coming oh yeah what are them to be a

197
00:08:58,399 --> 00:09:01,850
thing of the sixties of that color

198
00:08:59,928 --> 00:09:03,738
though oh yeah I think pie made

199
00:09:01,850 --> 00:09:06,199
televisions like that as well well but

200

00:09:03,739 --> 00:09:07,939
what dumb is one of the more unexpected

201
00:09:06,198 --> 00:09:12,708
things you on earth when you ask people

202
00:09:07,938 --> 00:09:14,028
in the local area to contribute I think

203
00:09:12,708 --> 00:09:15,198
just some of the memorabilia that people

204
00:09:14,028 --> 00:09:17,769
have hung on to you know there's an

205
00:09:15,198 --> 00:09:20,298
ashtray there's a medallion

206
00:09:17,769 --> 00:09:22,578
there's certificates that said that they

207
00:09:20,298 --> 00:09:24,798
were witness to the event one of the

208
00:09:22,578 --> 00:09:26,719
people got his mum to sign that he

209
00:09:24,798 --> 00:09:29,298
witnessed she was the witness to him

210
00:09:26,720 --> 00:09:31,790
witnessing the moon landings so which is

211
00:09:29,298 --> 00:09:33,169
a bit of fun you know so yeah what do

212
00:09:31,789 --> 00:09:36,618
you think is the most valuable thing in

213
00:09:33,169 --> 00:09:39,289
the exhibit look it's probably that

214
00:09:36,619 --> 00:09:41,389

artwork that people have contributed so

215

00:09:39,289 --> 00:09:44,360

the other exhibitions in the other five

216

00:09:41,389 --> 00:09:46,308

spaces yeah yes cuz use is there six

217

00:09:44,360 --> 00:09:48,379

spaces being taken up I actually never

218

00:09:46,308 --> 00:09:49,969

counted how many exposures but in total

219

00:09:48,379 --> 00:09:51,319

there because you've got a lot we're

220

00:09:49,970 --> 00:09:53,170

actually taking over other little bits

221

00:09:51,318 --> 00:09:56,149

and pieces as well so even our little

222

00:09:53,169 --> 00:09:59,328

our feeder foil we're taking that over

223

00:09:56,149 --> 00:10:01,869

for to present some works that Liverpool

224

00:09:59,328 --> 00:10:04,399

public school have done in stop-motion

225

00:10:01,869 --> 00:10:06,170

wow traveling to the moon so that's

226

00:10:04,399 --> 00:10:08,568

being taken over that little space as

227

00:10:06,169 --> 00:10:10,789

well but yeah in each of the gallery

228

00:10:08,568 --> 00:10:12,229

spaces there's something related to the

229
00:10:10,789 --> 00:10:16,248
moon so they've all got different themes

230
00:10:12,230 --> 00:10:18,139
we've got a really large installation by

231
00:10:16,249 --> 00:10:20,600
an artist named Lisa salmon her

232
00:10:18,139 --> 00:10:23,110
exhibition is called high loom and it's

233
00:10:20,600 --> 00:10:28,308
five meter screens there's five of those

234
00:10:23,110 --> 00:10:31,220
plus objects and light and shadow that

235
00:10:28,308 --> 00:10:33,618
she's playing with and it's she calls it

236
00:10:31,220 --> 00:10:36,019
like a dance between the planets and the

237
00:10:33,619 --> 00:10:38,569
solar system well that sounds quite cool

238
00:10:36,019 --> 00:10:40,068
no I'm not should people allocate in

239
00:10:38,568 --> 00:10:41,688
time because it sounds like there's a

240
00:10:40,068 --> 00:10:42,798
lot you've got to get through there you

241
00:10:41,688 --> 00:10:44,990
couldn't get through all of it in an

242
00:10:42,798 --> 00:10:47,149
hour could you use a lot to look at no I

243
00:10:44,990 --> 00:10:48,829
think come out for the come out for the

244
00:10:47,149 --> 00:10:50,019
day there's lots of days where there's

245
00:10:48,828 --> 00:10:52,299
extra things happening

246
00:10:50,019 --> 00:10:54,399
well so the the launch on the 20th of

247
00:10:52,299 --> 00:10:58,449
July is one of those where there's music

248
00:10:54,399 --> 00:11:00,549
and performance and talks and the

249
00:10:58,450 --> 00:11:02,259
MacArthur Astronomical Society of

250
00:11:00,549 --> 00:11:03,669
bringing their telescope so we can

251
00:11:02,259 --> 00:11:07,389
actually look at the moon later in the

252
00:11:03,669 --> 00:11:09,849
night but yeah I would allocate a good

253
00:11:07,389 --> 00:11:12,819
amount of time and we also have the

254
00:11:09,850 --> 00:11:14,500
Billboard Cafe so you know you can go

255
00:11:12,820 --> 00:11:16,600
and have something to eat and then keep

256
00:11:14,500 --> 00:11:18,278
going if you like yeah looking if it's

257

00:11:16,600 --> 00:11:20,139
not too cold you can sit outside there

258
00:11:18,278 --> 00:11:21,580
that's beautiful out there next to the

259
00:11:20,139 --> 00:11:24,669
Georges River we've got really nice

260
00:11:21,580 --> 00:11:27,070
we're in a great location here and still

261
00:11:24,669 --> 00:11:28,599
you are in a fantastic location and

262
00:11:27,070 --> 00:11:30,430
there's no rumors of you being shipped

263
00:11:28,600 --> 00:11:31,750
off to anywhere else either so I'm glad

264
00:11:30,429 --> 00:11:34,000
that you feel the powerhouse are still

265
00:11:31,750 --> 00:11:36,820
there we're still saying yes and look

266
00:11:34,000 --> 00:11:39,759
you've got Jamie Leonardo doing a moon

267
00:11:36,820 --> 00:11:41,350
disc there's a moon disco going on and

268
00:11:39,759 --> 00:11:42,819
what I want to know is the kids are

269
00:11:41,350 --> 00:11:45,009
going to make stuff out of recycled

270
00:11:42,820 --> 00:11:49,060
items and I want to know the best way to

271
00:11:45,009 --> 00:11:50,950

make a recycled spaceship look yeah look

272

00:11:49,059 --> 00:11:54,699
I'm leading that up to our public

273

00:11:50,950 --> 00:11:57,009
programs team and that sort of thing so

274

00:11:54,700 --> 00:11:59,110
it's the last day last weekend of the

275

00:11:57,009 --> 00:12:02,230
school holiday so you know we're

276

00:11:59,110 --> 00:12:04,419
inviting kids to come along between four

277

00:12:02,230 --> 00:12:06,730
and six to make some sort of space bling

278

00:12:04,419 --> 00:12:09,250
to wear to the disco that goes from 6 to

279

00:12:06,730 --> 00:12:11,350
7:30 which they'll make a whole bunch of

280

00:12:09,250 --> 00:12:13,059
aliens - yeah look I'm sure there'll be

281

00:12:11,350 --> 00:12:15,250
lots of alfoil that's what I'm guessing

282

00:12:13,059 --> 00:12:16,719
I think so I've been trying to figure

283

00:12:15,250 --> 00:12:19,078
out the helmet thing the whole fish ball

284

00:12:16,720 --> 00:12:21,700
thing doesn't really work anymore at Fox

285

00:12:19,078 --> 00:12:23,349
yeah yeah oh my go with the old

286
00:12:21,700 --> 00:12:25,360
Kellogg's cornflakes packet with the

287
00:12:23,350 --> 00:12:27,879
flat cap Oh head over to the front yeah

288
00:12:25,360 --> 00:12:29,950
like that idea - we're in one of the

289
00:12:27,879 --> 00:12:31,600
spaces we've got some of the artists are

290
00:12:29,950 --> 00:12:34,420
responding to the idea of being an

291
00:12:31,600 --> 00:12:38,829
astronaut so yeah lots of emotions they

292
00:12:34,419 --> 00:12:40,328
come up with one of them has come up

293
00:12:38,828 --> 00:12:42,370
with you know what it would be like if

294
00:12:40,328 --> 00:12:45,129
your family flew to the moon so he's

295
00:12:42,370 --> 00:12:47,169
made space couches where each seat is

296
00:12:45,129 --> 00:12:49,350
actually molded to the astronaut's body

297
00:12:47,169 --> 00:12:54,009
so they're molded to his family's bodies

298
00:12:49,350 --> 00:12:56,320
and and that's Adam Norton so he's

299
00:12:54,009 --> 00:12:58,299
created those space couches I think Adam

300
00:12:56,320 --> 00:13:00,190
noted as done double duty there it's

301
00:12:58,299 --> 00:13:01,958
actually made a Christmas present for

302
00:13:00,190 --> 00:13:02,950
his family and an installation at the

303
00:13:01,958 --> 00:13:05,109
same time

304
00:13:02,950 --> 00:13:07,780
right yes it's a bit of fun I think yes

305
00:13:05,110 --> 00:13:10,149
and and that's so free to get into is it

306
00:13:07,779 --> 00:13:12,579
or no this is it yes it is yeah so

307
00:13:10,149 --> 00:13:14,709
there's a couple of events that are paid

308
00:13:12,580 --> 00:13:18,310
events one of those is really exciting

309
00:13:14,710 --> 00:13:22,509
it's a Jeff stuff doing his David Bowie

310
00:13:18,309 --> 00:13:24,819
unzipped performance I've seen that and

311
00:13:22,509 --> 00:13:25,960
Jeff stuff in the setting there which be

312
00:13:24,820 --> 00:13:27,700
would might be a little bit more

313
00:13:25,960 --> 00:13:29,410
intimate than usual for Jeff tough

314

00:13:27,700 --> 00:13:31,629
performance I would highly recommend a

315
00:13:29,409 --> 00:13:33,370
great environment to see Jeff and you

316
00:13:31,629 --> 00:13:36,519
know Space Oddity was you know part of

317
00:13:33,370 --> 00:13:38,139
the the moon landing experience so it

318
00:13:36,519 --> 00:13:41,289
was one of the things that was broadcast

319
00:13:38,139 --> 00:13:43,629
just released only I think a week before

320
00:13:41,289 --> 00:13:45,429
the actual moon landing so helped him

321
00:13:43,629 --> 00:13:47,470
rise to fame I think sort of being

322
00:13:45,429 --> 00:13:49,000
linked to the moon landing oh yes and

323
00:13:47,470 --> 00:13:52,210
one of the few recordings that actually

324
00:13:49,000 --> 00:13:53,500
uses a style of phone in it alright that

325
00:13:52,210 --> 00:13:55,389
that sort of buzzing noise in the

326
00:13:53,500 --> 00:13:57,009
background is it actually a keyboard

327
00:13:55,389 --> 00:13:59,949
that's a style of phone with one held

328
00:13:57,009 --> 00:14:02,409

note amazing yes a very strange thing

329

00:13:59,950 --> 00:14:03,820
even in this day actually you're

330

00:14:02,409 --> 00:14:05,230
obviously too young to remember the moon

331

00:14:03,820 --> 00:14:08,860
landings but what do you think of them

332

00:14:05,230 --> 00:14:11,019
retrospectively I think it's really

333

00:14:08,860 --> 00:14:14,139
fascinating I think a deep sort of peak

334

00:14:11,019 --> 00:14:16,509
people's curiosity and vision for the

335

00:14:14,139 --> 00:14:20,110
future as well they start until imagine

336

00:14:16,509 --> 00:14:21,399
things beyond Earth and that where you

337

00:14:20,110 --> 00:14:23,440
actually captured that in one of our

338

00:14:21,399 --> 00:14:25,629
exhibitions as well as called future so

339

00:14:23,440 --> 00:14:28,120
we've got a whole bunch of ex artists

340

00:14:25,629 --> 00:14:30,730
who looking at you know that sixties

341

00:14:28,120 --> 00:14:34,029
aesthetic that influence like posters

342

00:14:30,730 --> 00:14:35,529
and you know imagine space travel and

343
00:14:34,029 --> 00:14:37,360
things like that and imagining what the

344
00:14:35,529 --> 00:14:39,429
world might look like in 50 years time

345
00:14:37,360 --> 00:14:40,659
yes I remember all the books I had that

346
00:14:39,429 --> 00:14:42,489
I've kept from that time everybody

347
00:14:40,659 --> 00:14:44,139
thought there'd be a regular moon base

348
00:14:42,490 --> 00:14:45,669
and we would be well and truly on their

349
00:14:44,139 --> 00:14:47,620
way to Mars by now I guess they just

350
00:14:45,669 --> 00:14:48,250
didn't look at how much it costs that's

351
00:14:47,620 --> 00:14:50,289
right

352
00:14:48,250 --> 00:14:52,480
yeah I thought it would be one of those

353
00:14:50,289 --> 00:14:54,039
you know tours that you just go and look

354
00:14:52,480 --> 00:14:55,899
at your travel agent to go to the moon

355
00:14:54,039 --> 00:14:57,819
so well you can go to the moon of the

356
00:14:55,899 --> 00:14:59,470
Casula powerhouse for all of July

357
00:14:57,820 --> 00:15:01,210
journey thank you for chatting to us

358
00:14:59,470 --> 00:15:03,310
about this and enjoy the moon

359
00:15:01,210 --> 00:15:04,930
disco enjoy everything you've got going

360
00:15:03,309 --> 00:15:07,419
on and it's going on right now isn't it

361
00:15:04,929 --> 00:15:10,569
so don't miss out people that's right so

362
00:15:07,419 --> 00:15:13,169
it's open now but it launches get that

363
00:15:10,570 --> 00:15:14,579
made launches on I like

364
00:15:13,169 --> 00:15:16,919
I like it you work in the same Jenny

365
00:15:14,578 --> 00:15:19,739
like we are we launched on the 20th of

366
00:15:16,919 --> 00:15:21,299
July from 3 p.m. to 9 p.m. and how long

367
00:15:19,740 --> 00:15:24,089
has it run until is just all this month

368
00:15:21,299 --> 00:15:26,278
are you going into August we we go into

369
00:15:24,089 --> 00:15:29,130
September even so it runs a whole the

370
00:15:26,278 --> 00:15:31,379
7th of September Jenny a giant Li but of

371

00:15:29,129 --> 00:15:32,578
course the web address for the guerilla

372
00:15:31,379 --> 00:15:35,909
powerhouse so you can have a look there

373
00:15:32,578 --> 00:15:38,039
and see exactly what you can see WWE

374
00:15:35,909 --> 00:15:39,600
julep our house calm

375
00:15:38,039 --> 00:15:43,278
Jenny jeez but thank you for chatting to

376
00:15:39,600 --> 00:15:43,278
us this afternoon thank you very much

377
00:15:49,929 --> 00:15:59,059
[Music]

378
00:15:56,649 --> 00:16:00,350
exist

379
00:15:59,059 --> 00:16:03,629
[Music]

380
00:16:00,350 --> 00:16:06,029
yes hey Sam

381
00:16:03,629 --> 00:16:07,980
have you ever wondered what skeptics are

382
00:16:06,029 --> 00:16:10,319
up to in countries where English is not

383
00:16:07,980 --> 00:16:11,670
necessarily the first language or are

384
00:16:10,320 --> 00:16:13,560
you interested to learn about some

385
00:16:11,669 --> 00:16:16,049

fascinating and sometimes very bizarre

386

00:16:13,559 --> 00:16:18,000

Europe related facts events or people

387

00:16:16,049 --> 00:16:19,439

from history of skepticism or do you

388

00:16:18,000 --> 00:16:21,779

just want to know who's been really

389

00:16:19,440 --> 00:16:24,840

wrong lately you can find out all about

390

00:16:21,779 --> 00:16:29,429

that and more on the award-winning show

391

00:16:24,840 --> 00:16:31,530

the ESP the European sceptics podcast so

392

00:16:29,429 --> 00:16:35,219

where can people find the show you can

393

00:16:31,529 --> 00:16:37,409

find it online at the ESP dot EU but you

394

00:16:35,220 --> 00:16:40,170

can also follow us on twitter at es

395

00:16:37,409 --> 00:16:42,480

podcast and d'ascayne you all like us on

396

00:16:40,169 --> 00:16:45,479

Facebook oh and you can contact the show

397

00:16:42,480 --> 00:16:47,759

by sending an email to info at the ESP

398

00:16:45,480 --> 00:16:49,889

dot EU if you want to subscribe do a

399

00:16:47,759 --> 00:16:53,129

quick search for the European skeptics

400
00:16:49,889 --> 00:16:55,889
podcast on soundcloud iTunes stitcher or

401
00:16:53,129 --> 00:16:59,730
wherever you get your podcast the

402
00:16:55,889 --> 00:17:02,120
European skeptics podcast the real ESP

403
00:16:59,730 --> 00:17:05,558
experience

404
00:17:02,120 --> 00:17:05,558
[Music]

405
00:17:07,099 --> 00:17:25,750
I don't know how you can believe his may

406
00:17:20,269 --> 00:17:25,750
not spooky action at a distance

407
00:17:27,470 --> 00:17:32,069
welcome to a very special skeptics in

408
00:17:30,808 --> 00:17:34,859
the pub here at the Occidental hotel

409
00:17:32,069 --> 00:17:36,029
there's gonna be a lot of carrion here

410
00:17:34,859 --> 00:17:37,019
there's gonna be a lot of skeptical

411
00:17:36,029 --> 00:17:39,298
thinking there's gonna be a lot of

412
00:17:37,019 --> 00:17:41,759
critical thinking and they probably will

413
00:17:39,298 --> 00:17:42,720
be a lot of thinking as well as dr. Karl

414
00:17:41,759 --> 00:17:44,308
risky

415
00:17:42,720 --> 00:17:46,169
we'll be taking questions from the

416
00:17:44,308 --> 00:17:48,240
monthly audience here will be getting

417
00:17:46,169 --> 00:17:49,650
questions such as why am I still alive

418
00:17:48,240 --> 00:17:51,538
what am I doing here

419
00:17:49,650 --> 00:17:53,788
what is the best bus to take home and

420
00:17:51,538 --> 00:17:55,200
other con nun drums will be sent ease

421
00:17:53,788 --> 00:17:56,190
away I'll be talking to you about

422
00:17:55,200 --> 00:17:56,819
something special which I haven't

423
00:17:56,190 --> 00:17:57,900
thought of yet

424
00:17:56,819 --> 00:18:00,480
and we'll be talking to a few people

425
00:17:57,900 --> 00:18:02,759
here and I monthly skeptics in the pub

426
00:18:00,480 --> 00:18:05,339
may not out let's get into it people we

427
00:18:02,759 --> 00:18:08,009
will be asking the big question why

428

00:18:05,339 --> 00:18:09,798
don't people general people tend to

429
00:18:08,009 --> 00:18:12,390
listen to celebrities more than

430
00:18:09,798 --> 00:18:14,759
scientists or experts in their field

431
00:18:12,390 --> 00:18:17,549
you know like a shift will velvety all

432
00:18:14,759 --> 00:18:19,619
about a heart your heart condition where

433
00:18:17,548 --> 00:18:22,168
you know unlikely contacts a heart

434
00:18:19,619 --> 00:18:24,839
surgeon to ask them about anything or if

435
00:18:22,169 --> 00:18:26,759
you've got a cancer problem you talk to

436
00:18:24,839 --> 00:18:29,418
someone who's thin on Instagram rather

437
00:18:26,759 --> 00:18:30,990
than someone in oncology I don't know

438
00:18:29,419 --> 00:18:34,080
why did they do that

439
00:18:30,990 --> 00:18:35,490
let's see if we can find out so why do

440
00:18:34,079 --> 00:18:36,689
you think people are drawn to them more

441
00:18:35,490 --> 00:18:39,179
than someone who should know what

442
00:18:36,690 --> 00:18:41,130

they're talking about yeah well I think

443

00:18:39,179 --> 00:18:44,038

it's because they're basically in the

444

00:18:41,130 --> 00:18:46,830

limelight they think that they'll get

445

00:18:44,038 --> 00:18:49,349

the ratings up and I think that it's

446

00:18:46,829 --> 00:18:51,389

good TV but as you said they should

447

00:18:49,349 --> 00:18:53,099

actually get an actual expert news I

448

00:18:51,390 --> 00:18:54,990

mean the experts I mean it's people that

449

00:18:53,099 --> 00:18:56,129

have trained in universities I mean it's

450

00:18:54,990 --> 00:18:57,779

people that have studied and they're the

451

00:18:56,130 --> 00:19:00,990

ones that really know what do you think

452

00:18:57,779 --> 00:19:02,460

it was I think it's easier TVs easy for

453

00:19:00,990 --> 00:19:05,970

people to turn the TV on than going out

454

00:19:02,460 --> 00:19:07,558

and asking questions example is if like

455

00:19:05,970 --> 00:19:09,150

Eurovision is a music thing there's

456

00:19:07,558 --> 00:19:11,190

plenty of musicians in Australia that

457
00:19:09,150 --> 00:19:13,110
can talk about that but they'll get me

458
00:19:11,190 --> 00:19:14,880
or Bob down on to talk about Eurovision

459
00:19:13,109 --> 00:19:16,589
and show we know our stuff but you know

460
00:19:14,880 --> 00:19:18,570
we're not musicians it's just who's in

461
00:19:16,589 --> 00:19:20,759
their contact book you know as a

462
00:19:18,569 --> 00:19:23,730
celebrity I think they can also promote

463
00:19:20,759 --> 00:19:26,460
their either themselves as paleo diet

464
00:19:23,730 --> 00:19:29,880
yeah yeah paleo people he's pushing his

465
00:19:26,460 --> 00:19:31,710
own own agenda which is paying his wages

466
00:19:29,880 --> 00:19:33,929
kind of things

467
00:19:31,710 --> 00:19:37,319
it's the trouble is that you can't

468
00:19:33,929 --> 00:19:39,630
actually debate them about it or pull

469
00:19:37,319 --> 00:19:41,730
pull them up for making something up

470
00:19:39,630 --> 00:19:43,500
because they've got you know they're

471
00:19:41,730 --> 00:19:45,329
it's like a clickbait kind of service

472
00:19:43,500 --> 00:19:48,898
system whether it's like here the more

473
00:19:45,329 --> 00:19:50,609
the headline is controversial where

474
00:19:48,898 --> 00:19:51,808
people want to watch it you know well we

475
00:19:50,609 --> 00:19:53,308
all know you shouldn't take legal advice

476
00:19:51,808 --> 00:19:55,048
from podcast maybe it shouldn't take

477
00:19:53,308 --> 00:19:57,778
advice from morning television in

478
00:19:55,048 --> 00:19:59,429
general yeah thank you quite right there

479
00:19:57,778 --> 00:20:01,500
I think it's just there that has a bit a

480
00:19:59,429 --> 00:20:04,159
lot light-hearted things to get you

481
00:20:01,500 --> 00:20:06,058
going in the morning and that's about it

482
00:20:04,159 --> 00:20:07,830
look and you shouldn't get like

483
00:20:06,058 --> 00:20:09,629
aeronautical advice from Roger ramjet

484
00:20:07,829 --> 00:20:11,339
either because they they go straight

485

00:20:09,630 --> 00:20:14,970
straight 90 degrees up but I'm pretty

486
00:20:11,339 --> 00:20:16,558
sure they can't do that I think you'll

487
00:20:14,970 --> 00:20:18,269
all be pleased to know that the bane of

488
00:20:16,558 --> 00:20:21,329
everybody use the representatives

489
00:20:18,269 --> 00:20:23,398
anything anywhere in this world is

490
00:20:21,329 --> 00:20:26,099
setting up the video projector to play

491
00:20:23,398 --> 00:20:28,408
your computer their files out of it and

492
00:20:26,099 --> 00:20:29,699
dr. Carl is having the usual issue that

493
00:20:28,409 --> 00:20:30,929
just about everybody does when they do

494
00:20:29,700 --> 00:20:32,190
that is that the screen is that the

495
00:20:30,929 --> 00:20:34,470
other screens that the second one is

496
00:20:32,190 --> 00:20:36,570
that connect a bit higher oh oh that's

497
00:20:34,470 --> 00:20:37,919
the wrong file it's it's the world over

498
00:20:36,569 --> 00:20:39,119
there's a matter how many degrees you've

499
00:20:37,919 --> 00:20:40,500

had or how long you've been studying and

500

00:20:39,119 --> 00:20:42,329

how good you are at scientific

501

00:20:40,500 --> 00:20:43,980

communication is always the video

502

00:20:42,329 --> 00:20:48,240

projector that is a hurdle to overcome

503

00:20:43,980 --> 00:20:50,640

in life we're asking why do people take

504

00:20:48,240 --> 00:20:52,440

advice from celebrities over people who

505

00:20:50,640 --> 00:20:54,440

have actually studied the topic a good

506

00:20:52,440 --> 00:20:57,028

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

507

00:20:54,440 --> 00:20:58,380

got cancer you maybe go to someone who's

508

00:20:57,028 --> 00:21:01,589

thin on Instagram instead of an

509

00:20:58,380 --> 00:21:03,570

oncologist yeah so the way I see it with

510

00:21:01,589 --> 00:21:05,759

that is that people often aspire to be

511

00:21:03,569 --> 00:21:08,339

like celebrities right they want to look

512

00:21:05,759 --> 00:21:11,519

like Gwyneth Paltrow they want to carry

513

00:21:08,339 --> 00:21:16,500

themselves the way that certain so want

514
00:21:11,519 --> 00:21:18,538
to be Baby Spice it's either that or

515
00:21:16,500 --> 00:21:20,609
Roger Moore I swipe between the two

516
00:21:18,538 --> 00:21:22,349
Roger spicy yet Roger spies yeah well

517
00:21:20,609 --> 00:21:24,269
yes so I think they want to be more like

518
00:21:22,349 --> 00:21:25,678
them and the bait obviously be more like

519
00:21:24,269 --> 00:21:26,879
them you know when you meet someone for

520
00:21:25,679 --> 00:21:28,230
the first time and you're really into

521
00:21:26,880 --> 00:21:29,970
them you start listening to the bands

522
00:21:28,230 --> 00:21:31,200
they like and you start from doing the

523
00:21:29,970 --> 00:21:32,460
things that they like maybe it's like

524
00:21:31,200 --> 00:21:33,960
that maybe it's psychologically they're

525
00:21:32,460 --> 00:21:34,529
trying to kind of be more like them that

526
00:21:33,960 --> 00:21:35,789
way

527
00:21:34,529 --> 00:21:37,379
and there are some people who regard

528

00:21:35,789 --> 00:21:38,430
celebrities like being like their

529

00:21:37,380 --> 00:21:40,380
friends don't they are being like

530

00:21:38,430 --> 00:21:42,600
someone that they know it's a one-way

531

00:21:40,380 --> 00:21:44,400
friendship exactly I'm sure that many

532

00:21:42,599 --> 00:21:45,779
listeners were skeptical regard Richard

533

00:21:44,400 --> 00:21:47,519
Saunders as being a close personal

534

00:21:45,779 --> 00:21:49,680
friend because they hear him in there

535

00:21:47,519 --> 00:21:51,420
even more his cats than him but yes they

536

00:21:49,680 --> 00:21:53,580
they feel a very strong affinity to both

537

00:21:51,420 --> 00:21:55,019
those cats absolutely they're their cats

538

00:21:53,579 --> 00:21:57,509
exactly so maybe there's that kind of

539

00:21:55,019 --> 00:21:59,339
that weird blurring of that line okay

540

00:21:57,509 --> 00:22:01,950
and how do you think you could overcome

541

00:21:59,339 --> 00:22:03,720
that but is it to make to prefer the the

542

00:22:01,950 --> 00:22:05,580
experts a little bit more warm like

543
00:22:03,720 --> 00:22:07,950
they're better communicators a bit more

544
00:22:05,579 --> 00:22:09,599
down-home I think we could do better at

545
00:22:07,950 --> 00:22:11,100
science communication I think we do fail

546
00:22:09,599 --> 00:22:12,839
quite a lot the problem is obviously the

547
00:22:11,099 --> 00:22:14,429
people with the most knowledge aren't

548
00:22:12,839 --> 00:22:16,740
often dual trained in science

549
00:22:14,430 --> 00:22:18,750
communication like they're good at their

550
00:22:16,740 --> 00:22:21,269
jobs therefore they're not necessarily

551
00:22:18,750 --> 00:22:22,740
good at communicating and that's a shame

552
00:22:21,269 --> 00:22:23,879
but obviously you don't then want to

553
00:22:22,740 --> 00:22:25,859
have people who are the good science

554
00:22:23,880 --> 00:22:28,170
communicators but aren't good scientists

555
00:22:25,859 --> 00:22:30,299
yes that's right yeah because you don't

556
00:22:28,170 --> 00:22:32,730

have to be communicated to do science do

557

00:22:30,299 --> 00:22:33,930

the science exactly exactly so maybe you

558

00:22:32,730 --> 00:22:35,549

almost need it kind of like a magician

559

00:22:33,930 --> 00:22:37,590

in there assistant so you have the

560

00:22:35,549 --> 00:22:40,049

beautiful assistant who's able to you

561

00:22:37,589 --> 00:22:41,579

know point at things in our like at the

562

00:22:40,049 --> 00:22:45,450

end of desperately seeking Susan the

563

00:22:41,579 --> 00:22:47,250

magic club yeah yeah that's exactly are

564

00:22:45,450 --> 00:22:48,480

you not on the same page but someone

565

00:22:47,250 --> 00:22:51,809

who's either the first time hello

566

00:22:48,480 --> 00:22:53,069

hello what's your name Alana okay now

567

00:22:51,809 --> 00:22:55,139

what do you reckon the problem is with

568

00:22:53,069 --> 00:22:56,549

people getting on to celebrities rather

569

00:22:55,140 --> 00:22:59,310

listening to someone who knows what

570

00:22:56,549 --> 00:23:01,109

they're talking about I was just

571
00:22:59,309 --> 00:23:03,149
discussing this with Trish a few minutes

572
00:23:01,109 --> 00:23:05,789
ago and I reckon from all the podcasts

573
00:23:03,150 --> 00:23:07,980
I've listened to because that makes me

574
00:23:05,789 --> 00:23:09,720
an expert but when you're you know you

575
00:23:07,980 --> 00:23:10,710
know you recognize someone's face you

576
00:23:09,720 --> 00:23:12,569
know their name you know everything

577
00:23:10,710 --> 00:23:14,430
about them that you kind of think that

578
00:23:12,569 --> 00:23:15,629
you are their friend like Trish was

579
00:23:14,430 --> 00:23:17,549
saying it's like a one-way straight

580
00:23:15,630 --> 00:23:19,200
one-way friendship so back in the day

581
00:23:17,549 --> 00:23:21,240
like in the caveman times you would have

582
00:23:19,200 --> 00:23:23,250
known this person so you trust the

583
00:23:21,240 --> 00:23:24,480
people you know better than you then

584
00:23:23,250 --> 00:23:26,250
someone who says they know what they're

585
00:23:24,480 --> 00:23:28,799
talking about and yeah it logically it

586
00:23:26,250 --> 00:23:30,359
makes no sense but unfortunately I think

587
00:23:28,799 --> 00:23:32,639
it's just easier to trust like a friend

588
00:23:30,359 --> 00:23:33,849
than it is to say someone who says

589
00:23:32,640 --> 00:23:35,080
they're an expert

590
00:23:33,849 --> 00:23:37,149
so how do you think we need how to

591
00:23:35,079 --> 00:23:40,149
overcome that how do you make an expert

592
00:23:37,150 --> 00:23:41,500
your friend the only thing I can think

593
00:23:40,150 --> 00:23:44,200
of is that if we were more active on

594
00:23:41,500 --> 00:23:46,480
social media we were more fun I mean

595
00:23:44,200 --> 00:23:48,430
that's why celebrities are famous is

596
00:23:46,480 --> 00:23:49,990
because they are active on social media

597
00:23:48,430 --> 00:23:52,870
they're active and magazines are active

598
00:23:49,990 --> 00:23:54,190
on TV they do interviews you know that

599

00:23:52,869 --> 00:23:55,839
all these things make people really

600
00:23:54,190 --> 00:23:57,970
interesting like I know that we're not

601
00:23:55,839 --> 00:23:59,980
at this man's talk but Bill Nye is

602
00:23:57,970 --> 00:24:01,360
really interesting to watch and I've

603
00:23:59,980 --> 00:24:04,390
just found out today that he doesn't

604
00:24:01,359 --> 00:24:06,849
he's not even a scientist but that kind

605
00:24:04,390 --> 00:24:08,590
of charisma is like how you might be

606
00:24:06,849 --> 00:24:11,079
able to reach more people and be more

607
00:24:08,589 --> 00:24:12,789
believable anything Bill Nye went in

608
00:24:11,079 --> 00:24:14,439
that debate he did with the creationist

609
00:24:12,789 --> 00:24:16,599
couple years ago did you see that at all

610
00:24:14,440 --> 00:24:18,400
I actually only saw a few clips but I

611
00:24:16,599 --> 00:24:20,559
was also just mentioning this earlier I

612
00:24:18,400 --> 00:24:22,210
think he was so impressive and really

613
00:24:20,559 --> 00:24:24,369

respectful for someone who clearly he

614

00:24:22,210 --> 00:24:26,319

didn't have any respect for ya which I

615

00:24:24,369 --> 00:24:28,239

thought I was learning a lot about how

616

00:24:26,319 --> 00:24:31,359

to speak to someone that I had no regard

617

00:24:28,240 --> 00:24:33,009

for a chance to ask on some questions

618

00:24:31,359 --> 00:24:35,349

not if you've got any any pre loaded

619

00:24:33,009 --> 00:24:38,019

question to Alaska unfortunately because

620

00:24:35,349 --> 00:24:39,969

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

621

00:24:38,019 --> 00:24:41,559

Karl and I'm very privileged that this

622

00:24:39,970 --> 00:24:43,720

is gonna be my first experience is like

623

00:24:41,559 --> 00:24:45,940

firsthand yes so I'm just really excited

624

00:24:43,720 --> 00:24:47,170

to see what other people are asking yes

625

00:24:45,940 --> 00:24:48,160

that means you get to ask two questions

626

00:24:47,170 --> 00:24:50,140

Trish

627

00:24:48,160 --> 00:24:52,740

there we go have you got any lined up so

628
00:24:50,140 --> 00:24:53,920
my question is gonna be why and when

629
00:24:52,740 --> 00:24:55,299
okay

630
00:24:53,920 --> 00:24:57,400
well mine's a bit longer that might say

631
00:24:55,299 --> 00:24:59,529
why am I still alive will be one the

632
00:24:57,400 --> 00:25:01,269
questions I'll be asking him yes stuff

633
00:24:59,529 --> 00:25:02,619
like that you don't know yeah not that

634
00:25:01,269 --> 00:25:04,809
the answer but he'll give it a good

635
00:25:02,619 --> 00:25:05,949
red-hot go but and also let's think

636
00:25:04,809 --> 00:25:07,629
about scientist if they don't know

637
00:25:05,950 --> 00:25:09,880
something they might say I don't know

638
00:25:07,630 --> 00:25:11,080
where celebrities rarely will move out

639
00:25:09,880 --> 00:25:12,610
because that will that will not look

640
00:25:11,079 --> 00:25:14,839
good if they say that yeah they'll

641
00:25:12,609 --> 00:25:16,608
always give an answer

642
00:25:14,839 --> 00:25:18,769
they're so confident and I think that

643
00:25:16,608 --> 00:25:21,678
might be the key confidence and Krishna

644
00:25:18,769 --> 00:25:23,868
is key you have to have a most annoying

645
00:25:21,679 --> 00:25:26,840
celebrity who's that how are we going to

646
00:25:23,868 --> 00:25:28,699
fail try to be honest Oh what's the

647
00:25:26,839 --> 00:25:30,738
latest thing to do shove up and do stuff

648
00:25:28,700 --> 00:25:33,230
on whatever she's doing candles wax

649
00:25:30,739 --> 00:25:35,389
smoke you know well it's more the

650
00:25:33,230 --> 00:25:36,649
hypocrisy it's more the fact that like

651
00:25:35,388 --> 00:25:37,608
she keeps on coming out and saying that

652
00:25:36,648 --> 00:25:39,138
you know what they're doing isn't

653
00:25:37,608 --> 00:25:41,028
actually that bad because people are

654
00:25:39,138 --> 00:25:43,038
choosing in it's empowering women it is

655
00:25:41,028 --> 00:25:44,628
not empowering women it is she'll keep

656

00:25:43,038 --> 00:25:46,700
on coming out and saying how like what

657
00:25:44,628 --> 00:25:48,138
she's doing is it's empowerment or it's

658
00:25:46,700 --> 00:25:50,239
just you know if you don't like it don't

659
00:25:48,138 --> 00:25:52,998
buy it but that's not how it works like

660
00:25:50,239 --> 00:25:54,710
ultimately she's marketing towards women

661
00:25:52,999 --> 00:25:56,239
who want to improve themselves in some

662
00:25:54,710 --> 00:25:58,278
way and all she's doing is taking their

663
00:25:56,239 --> 00:26:05,329
money and running hmm and you got an

664
00:25:58,278 --> 00:26:08,480
annoying celebrity team Oh everything

665
00:26:05,329 --> 00:26:11,418
has been pretty damning no one knows who

666
00:26:08,480 --> 00:26:13,190
you actually at the budget I was looking

667
00:26:11,419 --> 00:26:14,929
at the people in the background and I

668
00:26:13,190 --> 00:26:17,450
said who is that guy and it was Scottie

669
00:26:14,929 --> 00:26:18,889
mouse I'm sorry I don't know that person

670
00:26:17,450 --> 00:26:20,739

is I'm missing one minister man hold

671

00:26:18,888 --> 00:26:22,939
that oh right you should

672

00:26:20,739 --> 00:26:28,369
scotty mo i thought it was pronounced

673

00:26:22,940 --> 00:26:29,659
scope depends on your dialect that's

674

00:26:28,368 --> 00:26:32,569
fine mind you i couldn't tell you who

675

00:26:29,659 --> 00:26:33,710
the the head of the National Party is I

676

00:26:32,569 --> 00:26:34,158
couldn't tell you that it's probably for

677

00:26:33,710 --> 00:26:35,778
the best

678

00:26:34,159 --> 00:26:36,679
yeah it's probably for the best the

679

00:26:35,778 --> 00:26:39,019
British prime minister it's because

680

00:26:36,679 --> 00:26:41,059
there isn't 100 what so what so yeah

681

00:26:39,019 --> 00:26:43,009
what do they have a caretaker in this

682

00:26:41,058 --> 00:26:45,618
situation how's that been a caretaker

683

00:26:43,009 --> 00:26:46,759
for the last 20 years no yeah Speaker of

684

00:26:45,618 --> 00:26:50,388
the House is now the most powerful

685
00:26:46,759 --> 00:26:51,679
person in Britain it's really crazy but

686
00:26:50,388 --> 00:26:54,469
Brian bliss and to do it he's got the

687
00:26:51,679 --> 00:26:56,840
loudest voice he could carry on buddy

688
00:26:54,470 --> 00:26:58,700
it's brilliant at lying years I actually

689
00:26:56,839 --> 00:27:00,648
watched him in Flash Gordon 1980 of the

690
00:26:58,700 --> 00:27:02,119
movie I recommend that he heat there's

691
00:27:00,648 --> 00:27:03,959
only one line in the entire film he does

692
00:27:02,118 --> 00:27:06,459
not hello

693
00:27:03,960 --> 00:27:09,639
[Applause]

694
00:27:06,460 --> 00:27:09,639
all right

695
00:27:09,970 --> 00:27:12,879
because we here at the front table here

696
00:27:11,829 --> 00:27:14,500
here these are the people that will

697
00:27:12,878 --> 00:27:16,480
absorb the most maximum knowledge from

698
00:27:14,500 --> 00:27:18,638
dr. Carr when he does start to talk and

699
00:27:16,480 --> 00:27:20,319
he is it expert in many different fields

700
00:27:18,638 --> 00:27:22,778
but why do you think people take advice

701
00:27:20,319 --> 00:27:24,579
from celebrities rather than scientists

702
00:27:22,778 --> 00:27:28,298
or experts in their field

703
00:27:24,579 --> 00:27:30,158
I think people seem to have a an

704
00:27:28,298 --> 00:27:32,259
appreciation or love of celebrities and

705
00:27:30,159 --> 00:27:34,570
they will absorb information from people

706
00:27:32,259 --> 00:27:36,128
that they know more than somebody they

707
00:27:34,569 --> 00:27:37,990
don't know and they see this person on

708
00:27:36,128 --> 00:27:40,329
TV all the time and they're on their

709
00:27:37,990 --> 00:27:42,700
social media feeds and so the more that

710
00:27:40,329 --> 00:27:45,759
they see somebody the more they feel

711
00:27:42,700 --> 00:27:46,929
that they're trustworthy it's like it's

712
00:27:45,759 --> 00:27:50,288
the one no friendship thing they think

713

00:27:46,929 --> 00:27:52,000
they know them yeah yeah so do you think

714
00:27:50,288 --> 00:27:53,648
the way they look or the way they seem

715
00:27:52,000 --> 00:27:55,628
to talk so easily on television

716
00:27:53,648 --> 00:27:57,189
persuades people a little bit more bit

717
00:27:55,628 --> 00:27:59,288
the way they bit more smooth about their

718
00:27:57,190 --> 00:28:01,149
communication where sometimes scientists

719
00:27:59,288 --> 00:28:02,798
will use big words or they'll actually

720
00:28:01,148 --> 00:28:04,628
think about what they're going to say

721
00:28:02,798 --> 00:28:06,460
before they say it so there's a pause I

722
00:28:04,628 --> 00:28:08,349
guess it would be because a lot of the

723
00:28:06,460 --> 00:28:09,700
other celebrities have script writers so

724
00:28:08,349 --> 00:28:12,459
when they're in a TV show or the movie

725
00:28:09,700 --> 00:28:13,720
they've got a team of people affecting

726
00:28:12,460 --> 00:28:15,308
what they're going to say so they often

727
00:28:13,720 --> 00:28:17,350

sound a lot more intelligent than they

728

00:28:15,308 --> 00:28:18,970

very well could be I'm not saying that

729

00:28:17,349 --> 00:28:20,408

they're not incredibly intelligent they

730

00:28:18,970 --> 00:28:22,210

have to have some you know some level

731

00:28:20,409 --> 00:28:23,500

intelligence to get where you are but

732

00:28:22,210 --> 00:28:25,899

you know to have that team of people

733

00:28:23,500 --> 00:28:27,669

behind you you could play a scientist in

734

00:28:25,898 --> 00:28:30,329

a movie and people therefore think that

735

00:28:27,669 --> 00:28:32,710

you're you have those qualifications I

736

00:28:30,329 --> 00:28:34,538

found dr. Zarkov in the Flash Gordon

737

00:28:32,710 --> 00:28:37,840

1980 movie very believable as a

738

00:28:34,538 --> 00:28:39,849

scientist he was good he had a Eastern

739

00:28:37,839 --> 00:28:43,359

European accent and a beard yeah well I

740

00:28:39,849 --> 00:28:45,250

mean dr. evil yes very trustworthy if

741

00:28:43,359 --> 00:28:47,019

you've got a most annoying celebrity is

742
00:28:45,250 --> 00:28:50,319
there one that over time is like been

743
00:28:47,019 --> 00:28:52,808
our walk this person again my personal

744
00:28:50,319 --> 00:28:56,349
favorite would be Tom Cruise so I find

745
00:28:52,808 --> 00:28:58,658
him quite hard to deal with I can't take

746
00:28:56,349 --> 00:29:00,730
him seriously in any of the roles that

747
00:28:58,659 --> 00:29:02,440
he plays the Scientology thing is it's

748
00:29:00,730 --> 00:29:05,829
something else other than that that

749
00:29:02,440 --> 00:29:08,009
probably helped compound my my belief

750
00:29:05,829 --> 00:29:10,779
that he was just

751
00:29:08,009 --> 00:29:13,029
so jumping on the couch thing did that

752
00:29:10,779 --> 00:29:14,680
not help that also didn't help yeah that

753
00:29:13,029 --> 00:29:18,369
was there was a whole list of things I

754
00:29:14,680 --> 00:29:20,740
just found him personally to personally

755
00:29:18,369 --> 00:29:22,959
grind my gears of it whenever I see him

756
00:29:20,740 --> 00:29:24,700
he looks like a very driven person he

757
00:29:22,960 --> 00:29:27,759
gets into his roles he produces his

758
00:29:24,700 --> 00:29:29,080
roles and and really is intense but

759
00:29:27,759 --> 00:29:31,059
you're right there's something that like

760
00:29:29,079 --> 00:29:32,139
it takes away from that isn't it I'm not

761
00:29:31,059 --> 00:29:35,289
sure whether it's that level of

762
00:29:32,140 --> 00:29:37,360
intensity that he's tiring perhaps these

763
00:29:35,289 --> 00:29:39,009
there was too much I went on I'm an 80s

764
00:29:37,359 --> 00:29:41,289
kid so you know there was the whole Top

765
00:29:39,009 --> 00:29:43,930
Gun era you know there was a he was just

766
00:29:41,289 --> 00:29:45,430
seemed to be in a lot of roles the one I

767
00:29:43,930 --> 00:29:47,769
liked was was it Nicole Kidman as a

768
00:29:45,430 --> 00:29:49,299
neurosurgeon in some something Thunder

769
00:29:47,769 --> 00:29:52,660
the racing car one that they did

770

00:29:49,299 --> 00:29:54,250
together a year I use a thunder I'm

771
00:29:52,660 --> 00:29:58,990
pretty sure she was in neurosurgeon yeah

772
00:29:54,250 --> 00:30:00,400
no and yeah so yeah and that I didn't

773
00:29:58,990 --> 00:30:01,990
buy that one very easily no I know I

774
00:30:00,400 --> 00:30:04,420
certainly haven't had surgery done by

775
00:30:01,990 --> 00:30:06,609
Nicole Kidman either that's - that's a

776
00:30:04,420 --> 00:30:08,019
sample group of - and what what do you

777
00:30:06,609 --> 00:30:08,799
think about the whole celebrity thing

778
00:30:08,019 --> 00:30:10,690
there because because you've been

779
00:30:08,799 --> 00:30:11,980
exposed to the UK ones and is it worse

780
00:30:10,690 --> 00:30:14,019
than the UK than here with the

781
00:30:11,980 --> 00:30:16,059
celebrities pushing stuff no I think

782
00:30:14,019 --> 00:30:18,549
it's about the same and I think in this

783
00:30:16,059 --> 00:30:20,889
day and age where celebrities can be

784
00:30:18,549 --> 00:30:22,269

worldwide extremely quickly I don't

785

00:30:20,890 --> 00:30:24,390

think it really matters which country

786

00:30:22,269 --> 00:30:27,220

you're actually physically located in I

787

00:30:24,390 --> 00:30:29,980

think people become really obsessed with

788

00:30:27,220 --> 00:30:31,569

celebrities like watch TV shows and

789

00:30:29,980 --> 00:30:34,240

movies and stuff and you get your

790

00:30:31,569 --> 00:30:35,919

favorite celebrities and you're you very

791

00:30:34,240 --> 00:30:39,279

much you know you're reading a lot about

792

00:30:35,920 --> 00:30:41,080

them in the press and you develop an

793

00:30:39,279 --> 00:30:43,750

obsession with them or you can buy

794

00:30:41,079 --> 00:30:45,250

something up and then as soon as they

795

00:30:43,750 --> 00:30:48,730

start

796

00:30:45,250 --> 00:30:50,380

saying something you just want to you

797

00:30:48,730 --> 00:30:52,329

want to be believing what they're saying

798

00:30:50,380 --> 00:30:53,620

so even if they're going on

799

00:30:52,329 --> 00:30:55,149
you know something which is not very

800

00:30:53,619 --> 00:30:56,919
very helpful and not backed up by

801

00:30:55,150 --> 00:31:00,190
experts they've probably got somebody

802

00:30:56,920 --> 00:31:01,480
behind them who's backing up that

803

00:31:00,190 --> 00:31:03,670
they've got somebody that they're

804

00:31:01,480 --> 00:31:05,440
thinking is an expert that they're a lot

805

00:31:03,670 --> 00:31:08,529
of them believe what point they're

806

00:31:05,440 --> 00:31:09,610
trying to put across yes who's the one

807

00:31:08,529 --> 00:31:12,450
that annoys you the most of all the

808

00:31:09,609 --> 00:31:14,139
celebrities out there Jenny McCarthy

809

00:31:12,450 --> 00:31:16,000
with Jim Carrey

810

00:31:14,140 --> 00:31:18,160
they are big celebrities people know

811

00:31:16,000 --> 00:31:25,180
about them and I feel like what they

812

00:31:18,160 --> 00:31:27,700
have done for the ante Waxman has been

813
00:31:25,180 --> 00:31:29,710
sort of unprecedented I know cuz we had

814
00:31:27,700 --> 00:31:31,840
the recent outbreak of measles in New

815
00:31:29,710 --> 00:31:33,610
York City or among the Hasidic Jews

816
00:31:31,839 --> 00:31:36,159
there as well yeah and amongst other

817
00:31:33,609 --> 00:31:37,779
places and we've had much higher fully

818
00:31:36,160 --> 00:31:39,970
rates than normal here we've had many

819
00:31:37,779 --> 00:31:42,460
many deaths in Australia due to flu this

820
00:31:39,970 --> 00:31:45,069
year and if people were getting their

821
00:31:42,460 --> 00:31:48,220
vaccinations more frequently those

822
00:31:45,069 --> 00:31:49,809
statistics would be a lot lower I point

823
00:31:48,220 --> 00:31:51,549
people to the one thing most recent

824
00:31:49,809 --> 00:31:53,109
episodes of FAMILY GUY where they did

825
00:31:51,549 --> 00:31:55,419
the vaccination issue which was quite

826
00:31:53,109 --> 00:31:57,219
good as well I think the celebrity that

827

00:31:55,420 --> 00:32:00,370
was Sean Penn Sean Penn flew in and

828
00:31:57,220 --> 00:32:02,019
treated Long Island like a third world

829
00:32:00,369 --> 00:32:05,109
nation and gave them more vaccinations

830
00:32:02,019 --> 00:32:06,490
it's very nice what are you hoping to

831
00:32:05,109 --> 00:32:07,689
ask dr. Carr by the way you got any

832
00:32:06,490 --> 00:32:08,620
questions lined up because you're the

833
00:32:07,690 --> 00:32:11,110
closest you're gonna get the most

834
00:32:08,619 --> 00:32:13,659
knowledge out of him not that I can

835
00:32:11,109 --> 00:32:15,459
think of right now okay well you know

836
00:32:13,660 --> 00:32:16,690
maybe just sit back and ask someone else

837
00:32:15,460 --> 00:32:18,039
our something hopefully hopefully I'll

838
00:32:16,690 --> 00:32:21,480
have enough knowledge by the end of it

839
00:32:18,039 --> 00:32:21,480
to ask an intelligent question okay

840
00:32:24,150 --> 00:32:28,860
well I'm here with dr. Kyle he's about

841
00:32:26,009 --> 00:32:30,359

to go on that area do all your smartest

842

00:32:28,859 --> 00:32:31,319

microphones good enough to cut through

843

00:32:30,359 --> 00:32:34,500

everything dr. Kyle

844

00:32:31,319 --> 00:32:35,879

nod now I'm just have you ever been

845

00:32:34,500 --> 00:32:37,440

parodied by anybody because most

846

00:32:35,880 --> 00:32:39,060

Australian celebrities that some spies

847

00:32:37,440 --> 00:32:44,100

have been parody does it ever happen to

848

00:32:39,059 --> 00:32:47,299

you yes there was one character who

849

00:32:44,099 --> 00:32:51,539

wears a bright shirt on draw mad as hell

850

00:32:47,299 --> 00:32:54,480

yeah so he's one and it's some sort of

851

00:32:51,539 --> 00:32:57,000

academic who speaks in gibberish and

852

00:32:54,480 --> 00:32:59,730

I've had several songs paranoid

853

00:32:57,000 --> 00:33:01,589

parroting me off and I'm very happy with

854

00:32:59,730 --> 00:33:03,720

it I don't mind at all that's always a

855

00:33:01,589 --> 00:33:05,339

great bit of flattery and now today

856
00:33:03,720 --> 00:33:07,380
you're gonna be giving a chat here and

857
00:33:05,339 --> 00:33:09,329
expecting a range of questions what do

858
00:33:07,380 --> 00:33:10,860
people in the general population been

859
00:33:09,329 --> 00:33:12,599
asking you about most lately when they

860
00:33:10,859 --> 00:33:14,579
bump into you I mean everyone's always

861
00:33:12,599 --> 00:33:16,139
asking doctor stuff but is there a topic

862
00:33:14,579 --> 00:33:17,970
that's come up more than usual when I

863
00:33:16,140 --> 00:33:21,810
try to avoid I try to avoid doctor stuff

864
00:33:17,970 --> 00:33:25,370
on the grounds that I do not know the

865
00:33:21,809 --> 00:33:28,099
person's past medical surgical

866
00:33:25,369 --> 00:33:30,929
gynecological pharmacological

867
00:33:28,099 --> 00:33:32,969
endocrinology call etc history and

868
00:33:30,930 --> 00:33:35,700
without that you're sort of stumbling in

869
00:33:32,970 --> 00:33:37,769
the dark in an emergency I will but in

870
00:33:35,700 --> 00:33:40,500
most cases the advices just go and see

871
00:33:37,769 --> 00:33:42,150
your GP and this is purely theoretical

872
00:33:40,500 --> 00:33:45,180
knowledge in which case I'm happy to

873
00:33:42,150 --> 00:33:46,710
hand that over again relatively few

874
00:33:45,180 --> 00:33:49,890
medical questions because we try to stop

875
00:33:46,710 --> 00:33:52,680
them so today we're just a few minutes

876
00:33:49,890 --> 00:33:54,710
ago I had a question on how come you

877
00:33:52,680 --> 00:33:57,769
hardly ever see dead birds

878
00:33:54,710 --> 00:34:00,440
and the answer is that nature is bloody

879
00:33:57,769 --> 00:34:03,440
in tooth and claw and turns dead birds

880
00:34:00,440 --> 00:34:05,840
into food for the carrion eaters that

881
00:34:03,440 --> 00:34:08,179
happen to be around this morning I had a

882
00:34:05,839 --> 00:34:12,860
lovely question from an eight-year-old

883
00:34:08,179 --> 00:34:16,699
in Brisbane called Beryl and she wanted

884

00:34:12,860 --> 00:34:18,380
to know what was inside a proton that a

885
00:34:16,699 --> 00:34:19,609
quark I don't remember what is it oh

886
00:34:18,380 --> 00:34:20,869
that's tricky

887
00:34:19,610 --> 00:34:22,579
it turns out that there's a nice

888
00:34:20,869 --> 00:34:25,940
symmetry between the very large and the

889
00:34:22,579 --> 00:34:28,519
very small they both have about 90

890
00:34:25,940 --> 00:34:33,139
something percent missing so with the

891
00:34:28,519 --> 00:34:37,070
entire known universe we can only see or

892
00:34:33,139 --> 00:34:39,219
detect directly about 5% and 95% is

893
00:34:37,070 --> 00:34:43,430
missing being in a form of dark matter

894
00:34:39,219 --> 00:34:46,609
25% or dark and energy 70% and then way

895
00:34:43,429 --> 00:34:49,849
at the other end of the scale going down

896
00:34:46,610 --> 00:34:54,230
to a proton or a neutron which is inside

897
00:34:49,849 --> 00:34:57,289
madam 91% is missing of the mass so

898
00:34:54,230 --> 00:34:59,570

they're made of quarks there are six

899

00:34:57,289 --> 00:35:02,300

different quarks combined with their six

900

00:34:59,570 --> 00:35:06,289

anti quark so there's 12 so you've got

901

00:35:02,300 --> 00:35:09,260

up and down top and bottom strange and

902

00:35:06,289 --> 00:35:13,070

charm it turns out the protons just give

903

00:35:09,260 --> 00:35:16,340

it easy a made of two ups and one down

904

00:35:13,070 --> 00:35:17,750

and they're fundamental particles and

905

00:35:16,340 --> 00:35:21,230

because our fundamental particles

906

00:35:17,750 --> 00:35:23,599

therefore their mass is given to them by

907

00:35:21,230 --> 00:35:26,809

the Higgs field when you add up that

908

00:35:23,599 --> 00:35:29,659

mass you only get 9% of the mass of the

909

00:35:26,809 --> 00:35:32,299

proton and the other 91% is missing and

910

00:35:29,659 --> 00:35:35,179

we've just worked out the figures came

911

00:35:32,300 --> 00:35:37,039

through last year that the remaining 91%

912

00:35:35,179 --> 00:35:40,159

have broken up to various categories

913
00:35:37,039 --> 00:35:41,809
involving gluons and gluons interacting

914
00:35:40,159 --> 00:35:44,960
with

915
00:35:41,809 --> 00:35:46,880
quarks and then quarks and gluons all

916
00:35:44,960 --> 00:35:49,699
interacting with each other and they're

917
00:35:46,880 --> 00:35:51,829
doing it by motion ions I said equals

918
00:35:49,699 --> 00:35:54,829
mc-squared do you think of energy as

919
00:35:51,829 --> 00:35:56,750
mass has been lit free from its bounds

920
00:35:54,829 --> 00:35:58,309
and binds where and the other way is

921
00:35:56,750 --> 00:36:00,079
that mass is mg this beam coagulator

922
00:35:58,309 --> 00:36:04,159
down so if you've got stuff that's

923
00:36:00,079 --> 00:36:06,679
moving fast enough it has mass the speed

924
00:36:04,159 --> 00:36:09,349
gives it the mass this is sort of point

925
00:36:06,679 --> 00:36:10,730
two as a possibility that we are a three

926
00:36:09,349 --> 00:36:11,989
dimensional projection from a two

927

00:36:10,730 --> 00:36:13,670
dimensional object or something like

928

00:36:11,989 --> 00:36:15,709
that most point of absolute where some

929

00:36:13,670 --> 00:36:17,300
work one thing could be where a hologram

930

00:36:15,710 --> 00:36:19,250
so there actually isn't anything else

931

00:36:17,300 --> 00:36:20,810
there except some master controller

932

00:36:19,250 --> 00:36:22,369
that's making the image for us well

933

00:36:20,809 --> 00:36:25,009
that's caught that's kind of the essence

934

00:36:22,369 --> 00:36:26,480
of string theory that the fundamental

935

00:36:25,010 --> 00:36:29,150
particles are this one of the three main

936

00:36:26,480 --> 00:36:31,760
options none of them are prune that the

937

00:36:29,150 --> 00:36:36,320
fundamental particles are interactions

938

00:36:31,760 --> 00:36:38,390
of these one-dimensional strings that

939

00:36:36,320 --> 00:36:41,240
live in a n dimensional universe where

940

00:36:38,389 --> 00:36:44,599
in is about eleven or twelve and where

941

00:36:41,239 --> 00:36:47,209
they kiss our world they interact with

942
00:36:44,599 --> 00:36:49,460
their vibrations to create quarks but

943
00:36:47,210 --> 00:36:51,500
there's no proof of that yeah I mean is

944
00:36:49,460 --> 00:36:54,019
it provable at all because it means

945
00:36:51,500 --> 00:36:57,409
getting into the very working nature of

946
00:36:54,019 --> 00:37:04,579
a level we can't see or explore camera

947
00:36:57,409 --> 00:37:06,469
well if you had told me in 2008 that I

948
00:37:04,579 --> 00:37:09,380
could walk across the spectrum or cross

949
00:37:06,469 --> 00:37:12,769
Spain with a computer in my pocket and

950
00:37:09,380 --> 00:37:17,150
with their computer I could do English

951
00:37:12,769 --> 00:37:18,530
Spanish translation and get email and

952
00:37:17,150 --> 00:37:20,329
the World Wide Web

953
00:37:18,530 --> 00:37:21,890
etc etcetera etcetera and have a phone

954
00:37:20,329 --> 00:37:23,329
and a diary I would have said make

955
00:37:21,889 --> 00:37:26,089

you're pushing him but now it's

956

00:37:23,329 --> 00:37:27,259

commonplace to everybody 2000 and mid

957

00:37:26,090 --> 00:37:29,090

two thousands when he had the first

958

00:37:27,260 --> 00:37:33,200

smartphones they didn't really work

959

00:37:29,090 --> 00:37:36,050

until 2009 when the iPhone 3 came out

960

00:37:33,199 --> 00:37:37,849

the iPhone 3 was the first functioning

961

00:37:36,050 --> 00:37:39,590

smartphone there's worthwhile spending

962

00:37:37,849 --> 00:37:42,920

your money on all of us and was just

963

00:37:39,590 --> 00:37:46,220

crap and it was amazing that I could

964

00:37:42,920 --> 00:37:48,260

carry so much capability with me in my

965

00:37:46,219 --> 00:37:49,969

pocket and carry it across the

966

00:37:48,260 --> 00:37:52,980

countryside I could believe

967

00:37:49,969 --> 00:37:54,629

but if you taught me in 2000 I could do

968

00:37:52,980 --> 00:37:58,920

that no way my first got onto the

969

00:37:54,630 --> 00:38:01,710

Internet in 1987 and it took a long time

970
00:37:58,920 --> 00:38:03,570
just to even plug in and now you can

971
00:38:01,710 --> 00:38:05,579
just do it automatically so I don't know

972
00:38:03,570 --> 00:38:07,350
differences he's saying is it impossible

973
00:38:05,579 --> 00:38:10,079
I will find out what's going on with

974
00:38:07,349 --> 00:38:12,089
regard to 12 dimensional space it's not

975
00:38:10,079 --> 00:38:15,539
impossible but we will find out as we

976
00:38:12,090 --> 00:38:17,910
get closer and climate change is an

977
00:38:15,539 --> 00:38:19,739
existential threat but I'm being a cold

978
00:38:17,909 --> 00:38:21,210
war person I remember how the whole

979
00:38:19,739 --> 00:38:22,469
world could be obliterated an afternoon

980
00:38:21,210 --> 00:38:24,119
with nuclear weapons which is still

981
00:38:22,469 --> 00:38:25,859
possible and people don't seem to talk

982
00:38:24,119 --> 00:38:28,049
about that as much anymore and it would

983
00:38:25,860 --> 00:38:29,730
happen a lot faster where I mean yes

984
00:38:28,050 --> 00:38:31,710
climate change will change our planet

985
00:38:29,730 --> 00:38:33,449
but we were once an ice ball earth after

986
00:38:31,710 --> 00:38:37,440
all our planet does that from time to

987
00:38:33,449 --> 00:38:42,809
time doesn't well at the peak of the

988
00:38:37,440 --> 00:38:47,099
Cold War we had 30,000 nuclear weapons

989
00:38:42,809 --> 00:38:49,759
and on both sides and if they'd all gone

990
00:38:47,099 --> 00:38:52,289
off in an afternoon most of humanity

991
00:38:49,760 --> 00:38:56,040
would be dead within six months there'd

992
00:38:52,289 --> 00:38:57,809
be no electricity but we managed to

993
00:38:56,039 --> 00:38:59,730
avoid that now we're down to about three

994
00:38:57,809 --> 00:39:03,469
or four thousand nuclear weapons which

995
00:38:59,730 --> 00:39:06,150
is better than yeah right okay

996
00:39:03,469 --> 00:39:07,799
I'm optimistic I think we're humans

997
00:39:06,150 --> 00:39:09,599
we'll get through I'll be talking a

998

00:39:07,800 --> 00:39:11,640
little tiny bit on climate change and

999
00:39:09,599 --> 00:39:13,380
I'm basically optimistic that we can fix

1000
00:39:11,639 --> 00:39:16,730
it all we need to do is get people good

1001
00:39:13,380 --> 00:39:19,079
people into politics as simple as that

1002
00:39:16,730 --> 00:39:20,969
as simple as that and I want to thank if

1003
00:39:19,079 --> 00:39:22,289
you show that it's been seen on cable

1004
00:39:20,969 --> 00:39:24,119
here in Australia our doctor Carl's

1005
00:39:22,289 --> 00:39:25,860
amazing moments of science because you

1006
00:39:24,119 --> 00:39:27,630
introduced us to a few scientists that I

1007
00:39:25,860 --> 00:39:29,340
haven't met before there was a net flow

1008
00:39:27,630 --> 00:39:31,470
physicist who she was brilliant and

1009
00:39:29,340 --> 00:39:32,070
there was a biologist and she was

1010
00:39:31,469 --> 00:39:33,779
brilliant as well

1011
00:39:32,070 --> 00:39:35,220
they were great communicators and I'd

1012
00:39:33,780 --> 00:39:37,560

not seen them on television before they

1013

00:39:35,219 --> 00:39:39,839

were really good oh well I'm just a

1014

00:39:37,559 --> 00:39:41,250

little conduit trying to bring the

1015

00:39:39,840 --> 00:39:42,570

goodness into the people's hearts and

1016

00:39:41,250 --> 00:39:44,340

minds

1017

00:39:42,570 --> 00:39:46,200

and one of the pieces you did have is

1018

00:39:44,340 --> 00:39:48,240

the best way to stop being bombed by

1019

00:39:46,199 --> 00:39:49,559

Magpies and what is the best thing to

1020

00:39:48,239 --> 00:39:51,479

wear on your head to stop being bombed

1021

00:39:49,559 --> 00:39:53,130

by Magpies I've totally forgotten

1022

00:39:51,480 --> 00:39:55,079

refresh my memory is it a hat with

1023

00:39:53,130 --> 00:39:56,190

circles on it observe it circles and

1024

00:39:55,079 --> 00:39:58,139

there was a few different things like

1025

00:39:56,190 --> 00:40:00,269

you would try cable ties or you tries

1026

00:39:58,139 --> 00:40:02,069

drawing eyes on the back of everything

1027
00:40:00,269 --> 00:40:03,599
there the best way to make them not bomb

1028
00:40:02,070 --> 00:40:08,070
you the trouble is though that the

1029
00:40:03,599 --> 00:40:11,549
Magpies fiendishly intelligent there's a

1030
00:40:08,070 --> 00:40:15,269
learn they learn and they pass the

1031
00:40:11,550 --> 00:40:17,610
knowledge on to their children so if you

1032
00:40:15,269 --> 00:40:19,980
or somebody looking like you attack

1033
00:40:17,610 --> 00:40:23,030
their nest that'll take you and then

1034
00:40:19,980 --> 00:40:25,469
their children will attack you I have

1035
00:40:23,030 --> 00:40:28,220
made friends with a few Magpies out of

1036
00:40:25,469 --> 00:40:30,809
the front and I love hearing their song

1037
00:40:28,219 --> 00:40:32,789
yeah they've got a lovely song they are

1038
00:40:30,809 --> 00:40:36,389
beats a girl ah that's for sure well

1039
00:40:32,789 --> 00:40:39,119
that's me too so it's hard to stop a

1040
00:40:36,389 --> 00:40:41,879
magpie if it's trying to protect this

1041
00:40:39,119 --> 00:40:43,319
nest in the breeding season if it thinks

1042
00:40:41,880 --> 00:40:46,140
or wrongly that you've done something so

1043
00:40:43,320 --> 00:40:47,550
having spikes on your helmet they'll

1044
00:40:46,139 --> 00:40:49,469
still go for it because they're

1045
00:40:47,550 --> 00:40:50,730
therefore taking their children because

1046
00:40:49,469 --> 00:40:53,269
you're just trying to catch a ride your

1047
00:40:50,730 --> 00:40:56,070
bicycle to work so they've got a higher

1048
00:40:53,269 --> 00:40:57,900
evolutionary imperative dr. Karl you've

1049
00:40:56,070 --> 00:40:59,130
got a talk fairly soon but the question

1050
00:40:57,900 --> 00:41:01,200
we've been asking people is why do you

1051
00:40:59,130 --> 00:41:03,660
think people are quicker to believe

1052
00:41:01,199 --> 00:41:05,849
celebrities rather than experts or

1053
00:41:03,659 --> 00:41:07,500
scientists in the field like you know

1054
00:41:05,849 --> 00:41:09,210
though they'll look to Instagram for

1055

00:41:07,500 --> 00:41:11,099
someone for cancer advice and diet

1056
00:41:09,210 --> 00:41:13,710
advice rather than an oncologist or a

1057
00:41:11,099 --> 00:41:14,940
dietician I don't know I had a good

1058
00:41:13,710 --> 00:41:17,909
example of that the other day when I was

1059
00:41:14,940 --> 00:41:20,909
being interviewed by a person about the

1060
00:41:17,909 --> 00:41:22,319
5g Network and they said well I didn't

1061
00:41:20,909 --> 00:41:25,019
know much about Rho into this webpage

1062
00:41:22,320 --> 00:41:26,370
and I kept on reading more and more and

1063
00:41:25,019 --> 00:41:28,920
by the end of three hours I was

1064
00:41:26,369 --> 00:41:31,289
convinced well if I went to a webpage

1065
00:41:28,920 --> 00:41:33,809
that tried to tell me that you shouldn't

1066
00:41:31,289 --> 00:41:36,029
get vaccinated or that the earth was

1067
00:41:33,809 --> 00:41:38,340
flat or that we never went to the moon I

1068
00:41:36,030 --> 00:41:41,220
would spend 10 hours there I would go to

1069
00:41:38,340 --> 00:41:43,260

zero convincing so I think what we're

1070

00:41:41,219 --> 00:41:45,989

finding and it's always been the case a

1071

00:41:43,260 --> 00:41:47,430

lack of critical thinking we're not

1072

00:41:45,989 --> 00:41:49,949

teaching critical thinking we're not

1073

00:41:47,429 --> 00:41:51,839

teaching people how to think we always

1074

00:41:49,949 --> 00:41:53,818

have a little bit and we always haven't

1075

00:41:51,840 --> 00:41:55,199

mostly so

1076

00:41:53,818 --> 00:41:57,119

no really different from the past except

1077

00:41:55,199 --> 00:41:59,190

it just happens faster and the wrong

1078

00:41:57,119 --> 00:42:02,400

information the incorrect information

1079

00:41:59,190 --> 00:42:04,829

travels faster but hundreds of years ago

1080

00:42:02,400 --> 00:42:06,809

we believed crap like with regard to the

1081

00:42:04,829 --> 00:42:09,449

Great Fire of London that it was set off

1082

00:42:06,809 --> 00:42:12,150

by a Frenchman when it wasn't you know

1083

00:42:09,449 --> 00:42:14,249

and he got killed for being French and

1084
00:42:12,150 --> 00:42:16,139
Catholic it happened a few Spanish guys

1085
00:42:14,248 --> 00:42:19,318
over the time - around about that time -

1086
00:42:16,139 --> 00:42:22,018
yeah so we've always believed crap and

1087
00:42:19,318 --> 00:42:24,690
we live in a complicated we live in a

1088
00:42:22,018 --> 00:42:26,129
society which has about 1% of the

1089
00:42:24,690 --> 00:42:28,380
population having psychopathic

1090
00:42:26,130 --> 00:42:31,079
tendencies and on the other than

1091
00:42:28,380 --> 00:42:34,318
complicate a bit more we are living in

1092
00:42:31,079 --> 00:42:36,239
the most peaceful time ever in a history

1093
00:42:34,318 --> 00:42:38,038
of the human race if you read the books

1094
00:42:36,239 --> 00:42:41,039
by Steven Pinker the better angels of

1095
00:42:38,039 --> 00:42:43,140
our nature and fact fullness by hands

1096
00:42:41,039 --> 00:42:44,880
rustling you'll see that they present a

1097
00:42:43,139 --> 00:42:47,578
very good case but then the other side

1098
00:42:44,880 --> 00:42:50,219
of the coin is that the longer the

1099
00:42:47,579 --> 00:42:53,479
period of peace the greater the

1100
00:42:50,219 --> 00:42:56,639
financial inequality and if you read

1101
00:42:53,478 --> 00:42:59,728
capitalism in the 21st century by

1102
00:42:56,639 --> 00:43:02,278
biggity and the Four Horsemen of the

1103
00:42:59,728 --> 00:43:03,748
Apocalypse by Schindler you'll see and

1104
00:43:02,278 --> 00:43:06,239
this goes back tens of thousands of

1105
00:43:03,748 --> 00:43:08,308
years that the longer the peace are more

1106
00:43:06,239 --> 00:43:10,858
the financial inequality now

1107
00:43:08,309 --> 00:43:14,190
traditionally the financial inequality

1108
00:43:10,858 --> 00:43:16,469
has been reset by plague or war or

1109
00:43:14,190 --> 00:43:18,119
collapse of a state or revolution the

1110
00:43:16,469 --> 00:43:19,829
trouble with them is that while they do

1111
00:43:18,119 --> 00:43:22,769
the good thing of resetting the economic

1112

00:43:19,829 --> 00:43:24,839
balance they involve lots of dead people

1113
00:43:22,768 --> 00:43:27,448
and I'm hoping that we'll find a better

1114
00:43:24,838 --> 00:43:30,108
way through harmony and peace and love

1115
00:43:27,449 --> 00:43:32,608
man that doesn't involve killing people

1116
00:43:30,108 --> 00:43:34,380
I've seen ads on the television by one

1117
00:43:32,608 --> 00:43:35,969
the Kardashians up telling us how to get

1118
00:43:34,380 --> 00:43:37,349
rid of pimples is there a more simple

1119
00:43:35,969 --> 00:43:41,249
way of getting rid of pimples that you

1120
00:43:37,349 --> 00:43:43,739
would recommend dr. Carr or what was the

1121
00:43:41,248 --> 00:43:45,389
condition of method but basically it was

1122
00:43:43,739 --> 00:43:47,458
like something we put on there to like

1123
00:43:45,389 --> 00:43:48,929
help your skin get better and kill the

1124
00:43:47,458 --> 00:43:50,219
bugs and that kind of thing and

1125
00:43:48,929 --> 00:43:51,629
something or another was what's you're

1126
00:43:50,219 --> 00:43:53,219

selling but I'm just running what's the

1127

00:43:51,630 --> 00:43:55,970

general advice to keep pimples or acne

1128

00:43:53,219 --> 00:43:58,220

to a minimum anyway

1129

00:43:55,969 --> 00:44:00,719

hormones play a part

1130

00:43:58,219 --> 00:44:05,459

diet plays a microscopic part if

1131

00:44:00,719 --> 00:44:05,909

anything bacteria on the skin can play a

1132

00:44:05,460 --> 00:44:08,068

part

1133

00:44:05,909 --> 00:44:09,480

I don't have enough information to be

1134

00:44:08,068 --> 00:44:11,788

able to give a coherent answer I'm

1135

00:44:09,480 --> 00:44:13,230

bombing out okay but probably washing

1136

00:44:11,789 --> 00:44:15,950

the face fairly often wouldn't be a bad

1137

00:44:13,230 --> 00:44:18,539

idea yes and no you shouldn't use so oh

1138

00:44:15,949 --> 00:44:21,719

no you're so good it scours too much

1139

00:44:18,539 --> 00:44:24,510

does it well you have fat changes pee on

1140

00:44:21,719 --> 00:44:28,078

the skin and the fat comes from two

1141
00:44:24,510 --> 00:44:30,930
sources one is from sebum from the

1142
00:44:28,079 --> 00:44:33,690
sebaceous glands and you can increase

1143
00:44:30,929 --> 00:44:37,078
the supply or not as your body sees fit

1144
00:44:33,690 --> 00:44:40,889
the other sort of source of fat is the

1145
00:44:37,079 --> 00:44:42,930
plasma membranes around your dead skin

1146
00:44:40,889 --> 00:44:46,230
cells and they died a pretty constant

1147
00:44:42,929 --> 00:44:48,509
rate so you can't really increase that

1148
00:44:46,230 --> 00:44:51,929
so if you use soap you wash off all of

1149
00:44:48,510 --> 00:44:54,510
fat and your body responds by trying to

1150
00:44:51,929 --> 00:44:57,509
put it out more sebum and in some cases

1151
00:44:54,510 --> 00:44:59,630
this could lead to acne so when I was

1152
00:44:57,510 --> 00:45:03,140
working in dermatology the kids Hospital

1153
00:44:59,630 --> 00:45:06,329
we found that for some cases sorbolene

1154
00:45:03,139 --> 00:45:08,278
it was 10% glycerine as a cream worked

1155
00:45:06,329 --> 00:45:10,470
really well for washing with but that's

1156
00:45:08,278 --> 00:45:12,358
a whole different story dr. Karl thank

1157
00:45:10,469 --> 00:45:14,459
you for a bit of skin advice said but go

1158
00:45:12,358 --> 00:45:16,759
to a good reputable website and read up

1159
00:45:14,460 --> 00:45:18,929
on it that's what I'd advise or CGP

1160
00:45:16,760 --> 00:45:22,039
thanks like the hell had funded our up

1161
00:45:18,929 --> 00:45:22,038
break early thank you thank you

1162
00:45:26,159 --> 00:45:48,789
welcome message is that you are I can't

1163
00:45:46,210 --> 00:45:53,470
quite smarter than your parents this is

1164
00:45:48,789 --> 00:45:55,389
the tune effect discovered by Flynn and

1165
00:45:53,469 --> 00:45:58,269
the reason that they discovered it is

1166
00:45:55,389 --> 00:46:02,639
because the way that Americans learn

1167
00:45:58,269 --> 00:46:02,639
geography is by invading another country

1168
00:46:03,449 --> 00:46:08,319
once every fourteen months in there two

1169

00:46:05,949 --> 00:46:10,419
hundred fifty year history and their

1170
00:46:08,320 --> 00:46:12,100
longest and ending out all of their

1171
00:46:10,420 --> 00:46:13,900
years of peace when they have not been

1172
00:46:12,099 --> 00:46:16,569
at war with another country you get a

1173
00:46:13,900 --> 00:46:20,829
grand abode was putting one bus allen

1174
00:46:16,570 --> 00:46:23,820
250 years and so the american support

1175
00:46:20,829 --> 00:46:27,579
since 1932 tens of millions of people

1176
00:46:23,820 --> 00:46:29,440
into the military and given them IQ test

1177
00:46:27,579 --> 00:46:29,679
under hard not preconditions none of

1178
00:46:29,440 --> 00:46:31,960
this

1179
00:46:29,679 --> 00:46:33,489
please sir all this can I go to the

1180
00:46:31,960 --> 00:46:35,500
toilet we'll have the answer on my

1181
00:46:33,489 --> 00:46:37,689
smartphone it's angry people with

1182
00:46:35,500 --> 00:46:40,449
ballhead shouting at you to do your IQ

1183
00:46:37,690 --> 00:46:44,500

test and we've seen the are you going up

1184

00:46:40,449 --> 00:46:46,719
on IQ points every generation in America

1185

00:46:44,500 --> 00:46:48,909
and in every country around the world

1186

00:46:46,719 --> 00:46:52,929
where they bothered to measure your

1187

00:46:48,909 --> 00:46:55,420
queue of people when they're kids and so

1188

00:46:52,929 --> 00:46:58,869
forth and we've had to update the desk

1189

00:46:55,420 --> 00:47:02,170
the wisp for the waste wish where I at

1190

00:46:58,869 --> 00:47:03,519
all know the scale or the wish were into

1191

00:47:02,170 --> 00:47:05,500
scale for children we've haven't

1192

00:47:03,519 --> 00:47:07,570
upgraded through the one two three four

1193

00:47:05,500 --> 00:47:09,219
and make it harder the point first

1194

00:47:07,570 --> 00:47:12,280
message of buddhahood is that you are

1195

00:47:09,219 --> 00:47:13,539
the smartest generation ever all know

1196

00:47:12,280 --> 00:47:15,560
things if your kids will be smarter than

1197

00:47:13,539 --> 00:47:18,139
you don't worry about it

1198
00:47:15,559 --> 00:47:19,909
second thing is we are living in the

1199
00:47:18,139 --> 00:47:22,789
most peaceful time ever in the history

1200
00:47:19,909 --> 00:47:26,420
of human race read the book

1201
00:47:22,789 --> 00:47:28,639
merchants re effect fulness by hands

1202
00:47:26,420 --> 00:47:32,450
Ross Lee and the better angels of our

1203
00:47:28,639 --> 00:47:34,429
nature by Steven Pinker the disadvantage

1204
00:47:32,449 --> 00:47:36,829
with a long period of peace is if you

1205
00:47:34,429 --> 00:47:40,368
end up with more social financial

1206
00:47:36,829 --> 00:47:42,650
inequality read capitalism in 21st

1207
00:47:40,369 --> 00:47:44,750
century by Piketty and the Four Horsemen

1208
00:47:42,650 --> 00:47:48,050
of the Apocalypse by Shiva there will be

1209
00:47:44,750 --> 00:47:50,179
an exam for you surrounding that we're

1210
00:47:48,050 --> 00:47:51,650
speaking 8% so the second thing is that

1211
00:47:50,179 --> 00:47:53,449
we are living in the most peaceful time

1212
00:47:51,650 --> 00:47:54,740
ever in history of the human race the

1213
00:47:53,449 --> 00:47:58,909
third thing is it with regard to global

1214
00:47:54,739 --> 00:48:01,250
warming we increase it think back to the

1215
00:47:58,909 --> 00:48:02,199
7th of December 1941 anybody know what

1216
00:48:01,250 --> 00:48:06,559
happened on that day

1217
00:48:02,199 --> 00:48:08,210
merhaba within nine months all the car

1218
00:48:06,559 --> 00:48:12,679
factories in America a big converter

1219
00:48:08,210 --> 00:48:14,570
making weapons of destruction or sorry

1220
00:48:12,679 --> 00:48:17,179
defense sorry there's no war that's only

1221
00:48:14,570 --> 00:48:19,039
defense here how come there's not a

1222
00:48:17,179 --> 00:48:20,509
single department of war in any country

1223
00:48:19,039 --> 00:48:23,050
in the world they are all defense this

1224
00:48:20,510 --> 00:48:23,050
doing your back

1225
00:48:24,170 --> 00:48:27,380
within nine months the number of cars

1226

00:48:25,909 --> 00:48:29,509
made for the domestic market was zero

1227
00:48:27,380 --> 00:48:31,068
and eye-popping things out like the b-17

1228
00:48:29,509 --> 00:48:33,199
which is this huge plane that could

1229
00:48:31,068 --> 00:48:35,000
carry tens of tons of bombs of the crew

1230
00:48:33,199 --> 00:48:37,129
of ten and fly most of the way to put

1231
00:48:35,000 --> 00:48:39,380
and back at 400 kilometres an hour and

1232
00:48:37,130 --> 00:48:43,608
now popping them out of there converted

1233
00:48:39,380 --> 00:48:45,048
car factories the huge flames what car

1234
00:48:43,608 --> 00:48:47,989
factory alone typically instead of

1235
00:48:45,048 --> 00:48:52,038
making one plane of month was making one

1236
00:48:47,989 --> 00:48:55,250
plane an hour so we could pop these out

1237
00:48:52,039 --> 00:48:59,509
I've been into a city and which the

1238
00:48:55,250 --> 00:49:01,548
Prius has roll off at one minute it's

1239
00:48:59,509 --> 00:49:06,710
not as though two people make the whole

1240
00:49:01,548 --> 00:49:09,190

precinct one minute down there and

1241

00:49:06,710 --> 00:49:13,220

they're putting off so with regard to

1242

00:49:09,190 --> 00:49:15,019

global warming we fix up electricity and

1243

00:49:13,219 --> 00:49:17,239

go totally renewable for the whole world

1244

00:49:15,018 --> 00:49:20,058

something following this story since I

1245

00:49:17,239 --> 00:49:24,379

started back in 1976 reading about them

1246

00:49:20,059 --> 00:49:27,109

so we can what I've read we can go

1247

00:49:24,380 --> 00:49:30,410

totally renewable for electricity for

1248

00:49:27,108 --> 00:49:32,719

the whole world in just a year in ten

1249

00:49:30,409 --> 00:49:35,230

years if we decide to do it but the

1250

00:49:32,719 --> 00:49:39,259

Americans will Harbor we can go totally

1251

00:49:35,230 --> 00:49:41,719

renewable for transport in 15 years and

1252

00:49:39,259 --> 00:49:43,519

basically they run a plane waiting

1253

00:49:41,719 --> 00:49:47,480

several hundred times over to Europe

1254

00:49:43,518 --> 00:49:49,639

from Australia you stop the kerosene as

1255
00:49:47,480 --> 00:49:54,019
fuel by the way to receive jet fuel and

1256
00:49:49,639 --> 00:49:57,259
you give it hydrogen but on the hydrogen

1257
00:49:54,018 --> 00:50:00,679
is that it has one sixth of the energy

1258
00:49:57,259 --> 00:50:03,108
density per volume of kerosene four

1259
00:50:00,679 --> 00:50:05,088
times per pass the one sixth of the

1260
00:50:03,108 --> 00:50:08,028
volume so basically you get an Airbus

1261
00:50:05,088 --> 00:50:11,000
380 and fill the entire top or bottom

1262
00:50:08,028 --> 00:50:12,768
deck with hydrogen and you take a

1263
00:50:11,000 --> 00:50:14,909
reduced number of passengers and we

1264
00:50:12,768 --> 00:50:17,399
still are able to have

1265
00:50:14,909 --> 00:50:20,788
for around the world and then with

1266
00:50:17,400 --> 00:50:23,309
regard to carbon dioxide and it was

1267
00:50:20,789 --> 00:50:25,230
livestock and agriculture I'm reckoning

1268
00:50:23,309 --> 00:50:27,420
30 40 years because they're live now

1269
00:50:25,230 --> 00:50:29,909
trying find us and then also a lot

1270
00:50:27,420 --> 00:50:32,670
better powerful messages of hope

1271
00:50:29,909 --> 00:50:34,460
now who among you have ever run for

1272
00:50:32,670 --> 00:50:38,338
politics

1273
00:50:34,460 --> 00:50:39,389
you read politics three times my bro

1274
00:50:38,338 --> 00:50:42,900
love you

1275
00:50:39,389 --> 00:50:44,190
I read for what the unknown to Berkeley

1276
00:50:42,900 --> 00:50:46,380
what party with you is or in particular

1277
00:50:44,190 --> 00:50:48,240
that particular right

1278
00:50:46,380 --> 00:50:56,519
I read to the cloud change coalition in

1279
00:50:48,239 --> 00:50:58,048
2007 anybody vote for me I got 44

1280
00:50:56,519 --> 00:50:59,759
thousand votes on the line which is a

1281
00:50:58,048 --> 00:51:01,500
record apparently in Australia for votes

1282
00:50:59,760 --> 00:51:04,369
on the line we have two that one or two

1283

00:51:01,500 --> 00:51:07,650
hundred on this huge bit of kit paper

1284
00:51:04,369 --> 00:51:08,970
but I didn't get enough to get in which

1285
00:51:07,650 --> 00:51:10,710
was seven hundred eighty two thousand

1286
00:51:08,969 --> 00:51:14,159
votes because we didn't have enough

1287
00:51:10,710 --> 00:51:16,318
money so for three thousand for \$5,000

1288
00:51:14,159 --> 00:51:20,068
all we got was a thirty secret adverse

1289
00:51:16,318 --> 00:51:28,920
man on TV at the unattractive time of

1290
00:51:20,068 --> 00:51:32,420
three o'clock on a Sunday morning the

1291
00:51:28,920 --> 00:51:35,430
fascinating ads for the dominoes er

1292
00:51:32,420 --> 00:51:38,329
romantic frontman and Izzy's amazing

1293
00:51:35,429 --> 00:51:38,328
knives and never go

1294
00:51:38,820 --> 00:51:43,420
again fundamentalist government and

1295
00:51:40,960 --> 00:51:44,530
Brittany kitchens from Versailles I'm

1296
00:51:43,420 --> 00:51:45,760
still paying off the quarter of a

1297
00:51:44,530 --> 00:51:49,830

million dollars if I got a great

1298

00:51:45,760 --> 00:51:53,740

education education goes like this

1299

00:51:49,829 --> 00:51:56,019

how's he done said how I rose out of the

1300

00:51:53,739 --> 00:51:58,809

barrel of a gun which it does in some

1301

00:51:56,019 --> 00:52:02,170

parts of the world but where we are it

1302

00:51:58,809 --> 00:52:05,739

grows out of Parliament on your TV or

1303

00:52:02,170 --> 00:52:08,139

your on TV people to vote for me

1304

00:52:05,739 --> 00:52:10,929

fellow relative parliament we're doing

1305

00:52:08,139 --> 00:52:13,409

God's work two-twenty God in the on

1306

00:52:10,929 --> 00:52:18,489

Stoney in fashion

1307

00:52:13,409 --> 00:52:20,769

Leo no or great one so that's where the

1308

00:52:18,489 --> 00:52:24,069

power is and the most important thing

1309

00:52:20,769 --> 00:52:26,320

does the politicians ever did was to set

1310

00:52:24,070 --> 00:52:28,059

up the system so that when you say to a

1311

00:52:26,320 --> 00:52:31,059

naive person whether you're in politics

1312
00:52:28,059 --> 00:52:33,179
they go I couldn't do that they have one

1313
00:52:31,059 --> 00:52:36,940
with that a claim of what by you

1314
00:52:33,179 --> 00:52:38,919
refusing to do anything the bad people

1315
00:52:36,940 --> 00:52:41,050
with run for politics will support

1316
00:52:38,920 --> 00:52:44,200
somebody who can if they global warming

1317
00:52:41,050 --> 00:52:48,090
is totally fixable all we have to do is

1318
00:52:44,199 --> 00:52:48,089
know there are people in politics

1319
00:52:51,420 --> 00:53:00,710
I pass you on to a ranch again who has a

1320
00:52:56,818 --> 00:53:00,710
short announcement semantics

1321
00:53:00,900 --> 00:53:08,068
who here is ahead of Brittany's okay

1322
00:53:05,190 --> 00:53:10,369
fair number sir Vietnamese is a former

1323
00:53:08,068 --> 00:53:12,739
naturopath imagine for my naturopath who

1324
00:53:10,369 --> 00:53:15,210
while working as a very successful

1325
00:53:12,739 --> 00:53:19,500
natural undiscovered the plea of the

1326
00:53:15,210 --> 00:53:22,139
profession is funded she was horrified

1327
00:53:19,500 --> 00:53:24,690
to discover some of the problems with a

1328
00:53:22,139 --> 00:53:28,318
profession and she's left the profession

1329
00:53:24,690 --> 00:53:32,548
with a hidden debts of a quarter of a

1330
00:53:28,318 --> 00:53:35,250
million dollars and and started writing

1331
00:53:32,548 --> 00:53:39,809
about naturopathy in a website called

1332
00:53:35,250 --> 00:53:42,449
naturopathic Diaries and for her efforts

1333
00:53:39,809 --> 00:53:48,319
Britt was sued by an American naturopath

1334
00:53:42,449 --> 00:53:52,078
named Christine Colleen Hoover it ube on

1335
00:53:48,318 --> 00:53:54,048
that court case so that brought case

1336
00:53:52,079 --> 00:53:57,028
obviously caused significant distress

1337
00:53:54,048 --> 00:53:58,518
the britain basically was an attempt to

1338
00:53:57,028 --> 00:54:00,630
silence her

1339
00:53:58,518 --> 00:54:02,578
australian skeptics even though

1340

00:54:00,630 --> 00:54:05,369
Brittany's an American living in Germany

1341
00:54:02,579 --> 00:54:07,528
but she's part of the skeptical movement

1342
00:54:05,369 --> 00:54:10,858
and Australian skeptics organized a

1343
00:54:07,528 --> 00:54:14,159
fundraising campaign for her and we

1344
00:54:10,858 --> 00:54:16,650
wanted to raise fifty thousand euros

1345
00:54:14,159 --> 00:54:19,048
because that's what the estimate was by

1346
00:54:16,650 --> 00:54:21,778
her lawyer the cost would be in the

1347
00:54:19,048 --> 00:54:24,179
worst case scenario and we raised that

1348
00:54:21,778 --> 00:54:27,119
amount which is eighty thousand

1349
00:54:24,179 --> 00:54:28,858
Australian dollars in nine days I mean

1350
00:54:27,119 --> 00:54:31,410
when I say we raised it's got to point

1351
00:54:28,858 --> 00:54:34,108
out it's the community that I mean we

1352
00:54:31,409 --> 00:54:36,629
did not put money and we simply organize

1353
00:54:34,108 --> 00:54:40,098
the kind of the campaign and within nine

1354
00:54:36,630 --> 00:54:44,490

days we met the the goal of 80 thousand

1355

00:54:40,099 --> 00:54:46,870

Australian dollars and donations

1356

00:54:44,489 --> 00:54:49,179

continued and we buy now we have raised

1357

00:54:46,869 --> 00:54:56,679

things about 108 or something something

1358

00:54:49,179 --> 00:54:59,169

like what about \$110,000 by now the the

1359

00:54:56,679 --> 00:55:02,019

case for what we said at the time was

1360

00:54:59,170 --> 00:55:04,869

that whatever is left over after brits

1361

00:55:02,019 --> 00:55:06,960

with whether she loses or or wins

1362

00:55:04,869 --> 00:55:09,489

whatever is left over will be used for

1363

00:55:06,960 --> 00:55:12,280

some good skeptical cause including

1364

00:55:09,489 --> 00:55:14,829

potentially a skeptical Legal Defense

1365

00:55:12,280 --> 00:55:19,420

Fund for such occasions in the future

1366

00:55:14,829 --> 00:55:27,099

so um rich in early May Britain won her

1367

00:55:19,420 --> 00:55:30,990

case but there was still a lingering

1368

00:55:27,099 --> 00:55:32,139

doubt because what happened was that

1369
00:55:30,989 --> 00:55:36,939
coming

1370
00:55:32,139 --> 00:55:40,509
Gruber had until yesterday to appeal and

1371
00:55:36,940 --> 00:55:40,990
she didn't the case is now officially

1372
00:55:40,510 --> 00:55:45,130
over

1373
00:55:40,989 --> 00:55:46,839
and so so yes so we just received the

1374
00:55:45,130 --> 00:55:48,910
early morning in Germany just just

1375
00:55:46,840 --> 00:55:50,530
before I walked up these stairs I

1376
00:55:48,909 --> 00:55:53,019
received them a message from the brick

1377
00:55:50,530 --> 00:55:55,150
that's up that's it the case is over

1378
00:55:53,019 --> 00:55:56,920
there's still some legal technicalities

1379
00:55:55,150 --> 00:55:58,420
to deal with like richelene Hoover has

1380
00:55:56,920 --> 00:56:00,400
to pay something northern you to mount

1381
00:55:58,420 --> 00:56:02,500
appears to play something but that's it

1382
00:56:00,400 --> 00:56:05,500
Britta's one officially finally she

1383
00:56:02,500 --> 00:56:07,570
cannot be sued for it for this for this

1384
00:56:05,500 --> 00:56:09,010
supposed information ever again and it's

1385
00:56:07,570 --> 00:56:09,500
a great victory for the skeptical

1386
00:56:09,010 --> 00:56:12,619
community

1387
00:56:09,500 --> 00:56:12,619
[Music]

1388
00:56:13,500 --> 00:56:16,768
[Applause]

1389
00:56:26,219 --> 00:56:31,539
paleo pictures proudly announces that it

1390
00:56:29,289 --> 00:56:35,559
has secured the future of an alkalis

1391
00:56:31,539 --> 00:56:37,539
dinosaur paleo pictures CEO and

1392
00:56:35,559 --> 00:56:40,179
vertebrate paleontologist associate

1393
00:56:37,539 --> 00:56:42,250
professor Paul Willis is excited about

1394
00:56:40,179 --> 00:56:46,569
this opportunity to protect and study

1395
00:56:42,250 --> 00:56:49,510
these rare fossils only in Australia did

1396
00:56:46,570 --> 00:56:52,600
get dinosaur fossils that are also solid

1397

00:56:49,510 --> 00:56:54,700
opal the fossils come from lightning

1398
00:56:52,599 --> 00:56:56,650
ridge in New South Wales and they were

1399
00:56:54,699 --> 00:56:59,439
found by opal miners during their

1400
00:56:56,650 --> 00:57:01,990
diggings we don't actually know what

1401
00:56:59,440 --> 00:57:04,000
we've got we don't know how much the

1402
00:57:01,989 --> 00:57:06,519
skeletons there and we don't know what

1403
00:57:04,000 --> 00:57:08,590
kind of dinosaur it is it could be new

1404
00:57:06,519 --> 00:57:11,380
to science but it's certainly a

1405
00:57:08,590 --> 00:57:13,630
beautiful specimen currently the bones

1406
00:57:11,380 --> 00:57:16,269
are still encased in white rock and

1407
00:57:13,630 --> 00:57:20,619
bundled up into a briefcase and two

1408
00:57:16,269 --> 00:57:23,170
cardboard boxes these are rare pieces of

1409
00:57:20,619 --> 00:57:25,900
Australia's natural heritage and it's

1410
00:57:23,170 --> 00:57:29,230
our honor to play our part in preserving

1411
00:57:25,900 --> 00:57:32,410

this wonderful specimen for future

1412

00:57:29,230 --> 00:57:34,510
generations of Australians paleo

1413

00:57:32,409 --> 00:57:36,940
pictures will be funding the restoration

1414

00:57:34,510 --> 00:57:40,380
and study of this dinosaur as part of

1415

00:57:36,940 --> 00:57:42,940
making a documentary about open fossils

1416

00:57:40,380 --> 00:57:45,070
paleo pictures will eventually donate

1417

00:57:42,940 --> 00:57:47,500
the fossils to the Australian opal

1418

00:57:45,070 --> 00:57:49,720
Center enlightening Rindge the

1419

00:57:47,500 --> 00:57:53,139
Australian opal Center is still under

1420

00:57:49,719 --> 00:57:56,169
construction and will be opened in 2021

1421

00:57:53,139 --> 00:57:59,279
with our dinosaur on display alongside

1422

00:57:56,170 --> 00:58:01,869
many other beautiful of opalized fossils

1423

00:57:59,280 --> 00:58:03,970
hopefully we can figure out what this

1424

00:58:01,869 --> 00:58:06,400
dinosaur was all about and paleo

1425

00:58:03,969 --> 00:58:09,819
pictures will actually be making a video

1426
00:58:06,400 --> 00:58:11,980
to show everybody the steps involved in

1427
00:58:09,820 --> 00:58:15,280
bringing an ancient dinosaur back to

1428
00:58:11,980 --> 00:58:16,519
life and the wonders of Australia's opal

1429
00:58:15,280 --> 00:58:18,750
fossils

1430
00:58:16,519 --> 00:58:20,880
Palio pictures is currently raising

1431
00:58:18,750 --> 00:58:23,309
funds to conduct the preparation and

1432
00:58:20,880 --> 00:58:26,250
research on this dinosaur and make the

1433
00:58:23,309 --> 00:58:30,269
documentary to find out more please go

1434
00:58:26,250 --> 00:58:32,639
to our website visit Paleo pictures calm

1435
00:58:30,269 --> 00:58:33,239
or just follow the link in this week's

1436
00:58:32,639 --> 00:58:39,049
show nose

1437
00:58:33,239 --> 00:58:39,049
[Music]

1438
00:58:42,670 --> 00:58:46,729
thank you for listening to the skeptic

1439
00:58:45,018 --> 00:58:49,159
zone and thank you maenad for a huge

1440
00:58:46,728 --> 00:58:51,468
effort this week don't forget folks to

1441
00:58:49,159 --> 00:58:54,949
visit may not calm day you for his

1442
00:58:51,469 --> 00:58:58,068
podcasts and live shows including movie

1443
00:58:54,949 --> 00:59:00,228
nights and The Love Shack thank you to

1444
00:58:58,068 --> 00:59:02,659
those people who continue to support the

1445
00:59:00,228 --> 00:59:08,179
skeptic zone via PayPal or patreon you

1446
00:59:02,659 --> 00:59:10,129
can do that at skeptic zone TV and it's

1447
00:59:08,179 --> 00:59:12,798
appreciated and it means the show keeps

1448
00:59:10,130 --> 00:59:14,509
going and in fact if people weren't

1449
00:59:12,798 --> 00:59:16,909
supporting the show I couldn't do it

1450
00:59:14,509 --> 00:59:19,278
simple as that there would be no skeptic

1451
00:59:16,909 --> 00:59:21,768
zone so it's thanks to you people and

1452
00:59:19,278 --> 00:59:25,179
you know who you are who are chipping in

1453
00:59:21,768 --> 00:59:27,889
every week that means the rest of you

1454

00:59:25,179 --> 00:59:31,879
can enjoy hopefully enjoy the skeptic

1455
00:59:27,889 --> 00:59:35,048
zone now before I sign off completely if

1456
00:59:31,880 --> 00:59:38,269
you go to the skeptic zone Facebook page

1457
00:59:35,048 --> 00:59:39,920
just look up skeptic zone podcast or

1458
00:59:38,268 --> 00:59:42,768
skeptic son on Facebook or follow the

1459
00:59:39,920 --> 00:59:48,289
links at skeptic zone TV I have posted a

1460
00:59:42,768 --> 00:59:50,108
picture of me standing on a highway or a

1461
00:59:48,289 --> 00:59:52,640
road outside of Albuquerque New Mexico

1462
00:59:50,108 --> 00:59:54,619
the photograph was taken by my friend

1463
00:59:52,639 --> 00:59:57,828
Ben Radford when I was there recently

1464
00:59:54,619 --> 00:59:59,930
and I said the bed I just wanted some

1465
00:59:57,829 --> 01:00:02,109
photographs of the me on the desert road

1466
00:59:59,929 --> 01:00:05,028
something like that a bit of a souvenir

1467
01:00:02,108 --> 01:00:10,518
and when I looked at the photograph

1468
01:00:05,028 --> 01:00:11,119

closely I noticed above my head unto the

1469

01:00:10,518 --> 01:00:18,139
right

1470

01:00:11,119 --> 01:00:20,450
a UFO I'm serious it's strange it's

1471

01:00:18,139 --> 01:00:23,170
spooky and you can see the photograph

1472

01:00:20,449 --> 01:00:24,949
for yourself on the skeptics own

1473

01:00:23,170 --> 01:00:27,739
Facebook page

1474

01:00:24,949 --> 01:00:32,598
I'd be interested to know your opinions

1475

01:00:27,739 --> 01:00:34,759
but for this week of the wind howling

1476

01:00:32,599 --> 01:00:37,519
outside the window and the cat's howling

1477

01:00:34,759 --> 01:00:39,498
outside the door again hmm

1478

01:00:37,518 --> 01:00:42,368
this is Richard Saunders signing off

1479

01:00:39,498 --> 01:00:42,368
from Sydney Australia

1480

01:00:45,030 --> 01:00:50,440
you've been listening to the skeptic

1481

01:00:47,530 --> 01:00:57,130
zone podcast please visit our website at

1482

01:00:50,440 --> 01:01:00,630
wwlp.com tax and to access the bat

1483
01:00:57,130 --> 01:01:03,309
catalog of episodes going back to 2008

1484
01:01:00,630 --> 01:01:06,579
you can follow the skeptic zone podcast

1485
01:01:03,309 --> 01:01:08,860
on twitter at skeptic zone visit our

1486
01:01:06,579 --> 01:01:09,750
facebook page or leave a review on

1487
01:01:08,860 --> 01:01:12,430
itunes

1488
01:01:09,750 --> 01:01:15,820
you can also support the skeptic zone

1489
01:01:12,429 --> 01:01:18,539
via patreon or paypal the skeptic zone

1490
01:01:15,820 --> 01:01:20,920
podcast is an independent production

1491
01:01:18,539 --> 01:01:23,079
reviews and opinions expressed on the

1492
01:01:20,920 --> 01:01:25,389
skeptic zone are not necessarily those

1493
01:01:23,079 --> 01:01:27,190
of Australian skeptics or any other

1494
01:01:25,389 --> 01:01:33,509
skeptical organization

1495
01:01:27,190 --> 01:01:33,510
[Music]

1496
01:01:38,449 --> 01:01:43,500
hello people who listen after the music

1497
01:01:41,280 --> 01:01:46,590
the afterthoughts people this week I

1498
01:01:43,500 --> 01:01:48,449
have a six-sided die it's a it's a great

1499
01:01:46,590 --> 01:01:53,329
one actually I got it from Albuquerque

1500
01:01:48,449 --> 01:01:56,519
New Mexico it's an alien die it so

1501
01:01:53,329 --> 01:01:56,940
instead of a dot for one it has an alien

1502
01:01:56,519 --> 01:01:58,380
head

1503
01:01:56,940 --> 01:02:02,280
you know the classic Close Encounters

1504
01:01:58,380 --> 01:02:05,940
alien the gray with the big eyes for two

1505
01:02:02,280 --> 01:02:08,220
we have two little UFOs the classic

1506
01:02:05,940 --> 01:02:10,889
saucer shaped with some with three legs

1507
01:02:08,219 --> 01:02:13,049
a little bubble and I guess an alien

1508
01:02:10,889 --> 01:02:17,509
inside now what's three three is an

1509
01:02:13,050 --> 01:02:23,160
alien spaceship UFO plus two alien eyes

1510
01:02:17,510 --> 01:02:25,710
what is for alien eyes five where we got

1511

01:02:23,159 --> 01:02:30,659
here for alien eyes again plus one UFO

1512
01:02:25,710 --> 01:02:32,010
making five and six yeah six alien eyes

1513
01:02:30,659 --> 01:02:34,649
all right

1514
01:02:32,010 --> 01:02:36,540
one two three four five six I'm gonna

1515
01:02:34,650 --> 01:02:39,840
shake the die and I want you to use your

1516
01:02:36,539 --> 01:02:43,559
psychic alien predicting powers psychic

1517
01:02:39,840 --> 01:02:45,240
alien predicting powers and see if you

1518
01:02:43,559 --> 01:02:47,489
can come up with numbers you have one in

1519
01:02:45,239 --> 01:02:52,500
six chance of getting the first one here

1520
01:02:47,489 --> 01:02:55,829
we go and the first number up is three

1521
01:02:52,500 --> 01:03:03,900
which means it's one UFO and two alien

1522
01:02:55,829 --> 01:03:07,289
is three okay next one to two UFOs

1523
01:03:03,900 --> 01:03:12,450
flying along and last wonder how your

1524
01:03:07,289 --> 01:03:15,769
predictions are going last one is one a

1525
01:03:12,449 --> 01:03:15,769

giant alien face

1526

01:03:15,929 --> 01:03:19,009

[Music]

1527

01:03:20,048 --> 01:03:22,108

you