The Skeptic Zone
Show 280 - 2 March 2014

Chas Licciardello

1
00:00:10,970 --> 00:00:01,939
this is James Randi and you're listening

2
00:00:13,850 --> 00:00:10,980
to the skeptic zone welcome to the

3
00:00:26,400 --> 00:00:13,860
skeptic zone the podcast from Australia

4
00:00:32,650 --> 00:00:29,230
hello and welcome to the skeptic zone

5
00:00:36,549 --> 00:00:32,660
episode number 280 for the second of

6
00:00:39,880 --> 00:00:36,559
March 2014 Richard Saunders here with

7
00:00:42,640 --> 00:00:39,890
you from Sydney Australia a bit soggy

8
00:00:46,930 --> 00:00:42,650
this weekend coming up on this week's

9
00:00:49,479 --> 00:00:46,940
show dr. Richie and I interview Chaz

10
00:00:51,369 --> 00:00:49,489
licciardello from the check out program

11
00:00:53,229 --> 00:00:51,379
now many Australian listeners will be

12
00:00:55,479 --> 00:00:53,239
very familiar with Chaz and the chaser

13
00:00:59,049 --> 00:00:55,489

team for the chases war on everything

14
00:01:01,660 --> 00:00:59,059
CNN and then Planet Amerika lots of

15
00:01:04,030 --> 00:01:01,670
shows from the chase of people Chaz is

16
00:01:06,100 --> 00:01:04,040
now one of the people behind the new

17
00:01:08,740 --> 00:01:06,110
show that check out well it's in its

18
00:01:11,380 --> 00:01:08,750
second series this is all about consumer

19
00:01:13,480 --> 00:01:11,390
affairs and done with a pretty funny

20
00:01:16,840 --> 00:01:13,490
twist but it's really really good

21
00:01:19,810 --> 00:01:16,850
information and many times good

22
00:01:21,969 --> 00:01:19,820
skeptical information so chat with

23
00:01:24,399 --> 00:01:21,979
chairs from the check out learn a little

24
00:01:26,770 --> 00:01:24,409
bit about the behind-the-scenes action

25
00:01:30,700 --> 00:01:26,780
and following that we have a clip from

26
00:01:35,380 --> 00:01:30,710
the most recent show all about gluten

27
00:01:38,590 --> 00:01:35,390
free food following that it's a week in

28
00:01:40,359 --> 00:01:38,600
science from our friends at RI aus org

29
00:01:42,550 --> 00:01:40,369
dot au the Royal Institution of

30
00:01:45,910 --> 00:01:42,560
australia this week rather a serious

31
00:01:47,709 --> 00:01:45,920
subject really organ donation and then

32
00:01:52,300 --> 00:01:47,719
to round off the show more from dr. Neil

33
00:01:54,999 --> 00:01:52,310
deGrasse Tyson and andrian who are just

34
00:01:57,819 --> 00:01:55,009
about to launch the new cosmos series on

35
00:02:01,029 --> 00:01:57,829
the world I was very fortunate to attend

36
00:02:03,099 --> 00:02:01,039
a special screening of the first episode

37
00:02:04,899 --> 00:02:03,109
of cosmos here in Sydney at the sydney

38
00:02:07,840 --> 00:02:04,909

opera house and i'm going to play some

39
00:02:10,449 --> 00:02:07,850
audio from that evening question and

40
00:02:11,740 --> 00:02:10,459
answers and more comments but stay tuned

41
00:02:16,059 --> 00:02:11,750
after that at the end of the show

42
00:02:18,309 --> 00:02:16,069
details of how you can win a little

43
00:02:21,250 --> 00:02:18,319
prize pack from cosmos courtesy of the

44
00:02:23,710 --> 00:02:21,260
national geographic channel consisting

45
00:02:26,949 --> 00:02:23,720
of amongst other things an autographed

46
00:02:30,309 --> 00:02:26,959
copy of the cosmos book autographed by

47
00:02:31,840 --> 00:02:30,319
dr. Neil deGrasse Tyson and andrian but

48
00:02:34,270 --> 00:02:31,850
before we kick off the show with the

49
00:02:36,399 --> 00:02:34,280
interview with the chairs from the check

50
00:02:38,230 --> 00:02:36,409
out I've been told that there's going to

51
00:02:41,380 --> 00:02:38,240
be a skeptic camp

52
00:02:44,650 --> 00:02:41,390
brisbane yeah good old brisbane on the

53
00:02:47,230 --> 00:02:44,660
19th of july at hamilton town hall the

54
00:02:52,260 --> 00:02:47,240
best thing to do is to go to the website

55
00:02:54,490 --> 00:02:52,270
breeze skepta camp org also don't forget

56
00:02:57,640 --> 00:02:54,500
sydneysiders sydney skeptics in the pub

57
00:03:00,580 --> 00:02:57,650
the first thursday of the month at the

58
00:03:03,460 --> 00:03:00,590
crown hotel and we also have a great

59
00:03:06,310 --> 00:03:03,470
dinner coming up in sydney on march the

60
00:03:09,220 --> 00:03:06,320
29 about technophobia with a really

61
00:03:11,520 --> 00:03:09,230
interesting speaker Ketton joshi more

62
00:03:15,010 --> 00:03:11,530
information about all that head to ww

63
00:03:17,440 --> 00:03:15,020

skeptics com au where you can also

64
00:03:19,360 --> 00:03:17,450
subscribe to the magazine the skeptic

65
00:03:23,950 --> 00:03:19,370
but for now it's time for me to run

66
00:03:27,910 --> 00:03:23,960
downstairs look for some nice some blue

67
00:03:29,890 --> 00:03:27,920
cheese quite partial to blue cheese well

68
00:03:42,449 --> 00:03:29,900
I'm doing that I hope you enjoy the

69
00:03:46,300 --> 00:03:44,470
you can have confidence in the

70
00:03:51,970 --> 00:03:46,310
information on the check out because

71
00:03:55,869 --> 00:03:53,740
the results show that the checkout

72
00:03:58,059 --> 00:03:55,879
reduces stress while shopping increases

73
00:04:05,320 --> 00:03:58,069
knowledge of Consumer Affairs and boosts

74
00:04:10,479 --> 00:04:05,330
wellness seenus it's the only consumer

75
00:04:14,199 --> 00:04:10,489
affairs show with proven results tired

76
00:04:16,330 --> 00:04:14,209
stressed you'll feel better on switching

77
00:04:20,319 --> 00:04:16,340
to the chicken returns thursday at eight

78
00:04:23,469 --> 00:04:20,329
on abc1 well i'm here in the Palacios

79
00:04:25,180 --> 00:04:23,479
plush green room at the abc we're behind

80
00:04:27,550 --> 00:04:25,190
the scenes as where I'm with dr. Reggie

81
00:04:30,370 --> 00:04:27,560
hello dr. Richie hello dr. Richard have

82
00:04:32,409 --> 00:04:30,380
dr. no and we're with the chairs lucha

83
00:04:35,920 --> 00:04:32,419
de la hello can I be dr. chairs just for

84
00:04:37,450 --> 00:04:35,930
this podcast you can now of course I'm

85
00:04:39,490 --> 00:04:37,460
sure listeners in Australia very easily

86
00:04:41,770 --> 00:04:39,500
with chairs and not chase the team the

87
00:04:44,529 --> 00:04:41,780
hamster wheel team the CNN and n team

88
00:04:46,300 --> 00:04:44,539

the planet USA team or all of the above

89
00:04:48,100 --> 00:04:46,310
I don't think the chaser would like to

90
00:04:50,290 --> 00:04:48,110
take credit for Plan America that's just

91
00:04:52,650 --> 00:04:50,300
made all the rest of the rest was Joseph

92
00:04:55,390 --> 00:04:52,660
I known American that of course all

93
00:04:57,310 --> 00:04:55,400
interesting shows platinum America was a

94
00:05:00,070 --> 00:04:57,320
bit of a departure for you i think it

95
00:05:03,550 --> 00:05:00,080
was sort of straight it was a departure

96
00:05:06,370 --> 00:05:03,560
from they may that you guys know the

97
00:05:09,219 --> 00:05:06,380
mayor get naked a lot and dresses up

98
00:05:11,890 --> 00:05:09,229
like a chicken but uh but the actual may

99
00:05:13,330 --> 00:05:11,900
is a massive geek it's one of the things

100
00:05:14,980 --> 00:05:13,340
not that anyone really cares about a

101
00:05:17,050 --> 00:05:14,990
chaser but one of the unknown things

102
00:05:19,480 --> 00:05:17,060
about the chaser is that people confuse

103
00:05:21,400 --> 00:05:19,490
my personality with Julian's personality

104
00:05:23,260 --> 00:05:21,410
because of the way the character we play

105
00:05:25,270 --> 00:05:23,270
on screen they think that Julian's like

106
00:05:28,900 --> 00:05:25,280
this really straight-laced old guy and

107
00:05:31,270 --> 00:05:28,910
I'm on this freaky drunk so the jackass

108
00:05:33,520 --> 00:05:31,280
style person when the actual fact Julian

109
00:05:36,040 --> 00:05:33,530
is the wild child of the chaser and I am

110
00:05:38,020 --> 00:05:36,050
that uber geek I spend my entire life on

111
00:05:40,210 --> 00:05:38,030
the internet just ring science articles

112
00:05:41,890 --> 00:05:40,220
and stuff and they they're so actually

113
00:05:43,510 --> 00:05:41,900

an American politics which is why

114
00:05:45,400 --> 00:05:43,520
playing America was right down my out

115
00:05:47,050 --> 00:05:45,410
yeah like I'm into american politics I'm

116
00:05:49,270 --> 00:05:47,060
a nerd was an interesting shot and like

117
00:05:53,290 --> 00:05:49,280
you have it agree in science I do i do I

118
00:05:55,720 --> 00:05:53,300
are you you can read Wikipedia register

119
00:06:00,670 --> 00:05:58,850
you know I once had ambitions of

120
00:06:04,100 --> 00:06:00,680
actually being a science teacher and

121
00:06:06,170 --> 00:06:04,110
unfortunately TV TV dragged me away from

122
00:06:10,270 --> 00:06:06,180
a respectable career and look I become

123
00:06:12,560 --> 00:06:10,280
it's a real shame and just in passing i

124
00:06:14,000 --> 00:06:12,570
mentioned that i'm good friends were

125
00:06:16,520 --> 00:06:14,010
married to people at the independent

126
00:06:18,140 --> 00:06:16,530
investigations group in hollywood iig

127
00:06:19,760 --> 00:06:18,150
and the hamster they gave the hamster

128
00:06:21,770 --> 00:06:19,770
wheel a special award last year yes

129
00:06:23,930 --> 00:06:21,780
which was very flattering yes I if we

130
00:06:25,580 --> 00:06:23,940
can't get lucky thats the in fact it's

131
00:06:28,910 --> 00:06:25,590
not the luggage that's much better thank

132
00:06:30,260 --> 00:06:28,920
you so you've come to the notice of

133
00:06:32,600 --> 00:06:30,270
skeptical groups around the world for

134
00:06:34,160 --> 00:06:32,610
the shows that you've been involved with

135
00:06:36,350 --> 00:06:34,170
and we can talk about the check out now

136
00:06:39,800 --> 00:06:36,360
which is it at second series on the ABC

137
00:06:41,630 --> 00:06:39,810
and basically for the those listeners in

138
00:06:44,420 --> 00:06:41,640

Australia who may remember in the 1980s

139
00:06:46,190 --> 00:06:44,430
there was a great show which became very

140
00:06:48,410 --> 00:06:46,200
popular called the investigators and

141
00:06:51,050 --> 00:06:48,420
you've no doubt seen tapes of and I saw

142
00:06:53,840 --> 00:06:51,060
it when it was it every single segment

143
00:06:57,140 --> 00:06:53,850
of our shows directory but I don't doubt

144
00:06:59,030 --> 00:06:57,150
which was consumer investigations is

145
00:07:01,580 --> 00:06:59,040
this product dodgy what can you do about

146
00:07:03,200 --> 00:07:01,590
it it almost turned into a sort of a

147
00:07:04,840 --> 00:07:03,210
today tonight would they'd be chasing

148
00:07:07,400 --> 00:07:04,850
dodging people and all the rest of it

149
00:07:10,310 --> 00:07:07,410
and this is really carrying on that

150
00:07:12,110 --> 00:07:10,320
tradition isn't it yeah well Jules

151
00:07:14,060 --> 00:07:12,120
Julian's idea the check out and he

152
00:07:16,010 --> 00:07:14,070
definitely had the investigators in mind

153
00:07:17,780 --> 00:07:16,020
the way he pitched it to us was he said

154
00:07:20,450 --> 00:07:17,790
it's time to bring that kind of show

155
00:07:22,190 --> 00:07:20,460
back and update it and to to jazz it up

156
00:07:24,080 --> 00:07:22,200
a little bit we definitely never wanted

157
00:07:25,610 --> 00:07:24,090
to do the foot foot in door type stuff

158
00:07:27,710 --> 00:07:25,620
like is obviously what happened was

159
00:07:29,210 --> 00:07:27,720
investigated at first and then a career

160
00:07:31,550 --> 00:07:29,220
fair and today tonight that put their

161
00:07:33,290 --> 00:07:31,560
own spin on that kind of info commerce

162
00:07:35,720 --> 00:07:33,300
journalism and it's not morphed from

163
00:07:37,790 --> 00:07:35,730

there and we just decided that kind of

164
00:07:39,380 --> 00:07:37,800
stuff that's highest that's how its

165
00:07:41,660 --> 00:07:39,390
shelf life and we've had enough going

166
00:07:44,150 --> 00:07:41,670
out in the community and causing trouble

167
00:07:45,980 --> 00:07:44,160
ourselves and so we thought we'd leave

168
00:07:48,830 --> 00:07:45,990
that out of it but would just bring our

169
00:07:50,000 --> 00:07:48,840
own mindset because obviously all other

170
00:07:51,860 --> 00:07:50,010
shows we've done in the past like the

171
00:07:54,050 --> 00:07:51,870
war and everything and and especially

172
00:07:56,030 --> 00:07:54,060
hamster wheel has had it very much the

173
00:07:57,770 --> 00:07:56,040
same mindset a kind of I feel well a

174
00:07:59,240 --> 00:07:57,780
skeptical mindset and we've always

175
00:08:01,070 --> 00:07:59,250
thought seeing ourselves as kind of

176
00:08:03,080 --> 00:08:01,080
detectors I mean and whatever

177
00:08:05,450 --> 00:08:03,090
the field that we're involved in and we

178
00:08:06,770 --> 00:08:05,460
thought Consumer Affairs is it something

179
00:08:07,230 --> 00:08:06,780
that lends itself to that kind of

180
00:08:08,670 --> 00:08:07,240
attitude

181
00:08:09,990 --> 00:08:08,680
and there was nothing on TV that was

182
00:08:11,640 --> 00:08:10,000
doing that so I thought well there's a

183
00:08:13,110 --> 00:08:11,650
gap in the market let's not make the

184
00:08:15,180 --> 00:08:13,120
same show every single year for the rest

185
00:08:17,249 --> 00:08:15,190
of our lives let's try because you keep

186
00:08:18,809 --> 00:08:17,259
reinventing yourself we look over what

187
00:08:20,879 --> 00:08:18,819
you and your colleagues have done over

188
00:08:22,589 --> 00:08:20,889

the years it does change you do you do

189
00:08:23,879 --> 00:08:22,599
tocantins well we try to we try not to

190
00:08:25,950 --> 00:08:23,889
do the same show for more than three

191
00:08:27,540 --> 00:08:25,960
years in a row because we just it's very

192
00:08:31,170 --> 00:08:27,550
easy to get style and it just keeps you

193
00:08:34,199 --> 00:08:31,180
interested and also be it's I feel like

194
00:08:35,730 --> 00:08:34,209
they that what we've tried to do over

195
00:08:38,850 --> 00:08:35,740
the years I know if we achieve it but

196
00:08:41,130 --> 00:08:38,860
what we try and do is we try and mix

197
00:08:43,500 --> 00:08:41,140
something that's smart with something

198
00:08:45,720 --> 00:08:43,510
that's really stupid because if you do

199
00:08:48,960 --> 00:08:45,730
if you do really smart detailed research

200
00:08:51,180 --> 00:08:48,970
driven shows which we tend to try to do

201
00:08:53,790 --> 00:08:51,190
it gets very boring and people just tune

202
00:08:56,639 --> 00:08:53,800
out but we figure we have we have either

203
00:08:59,040 --> 00:08:56,649
if you call it a gift or whether I know

204
00:09:01,079 --> 00:08:59,050
what you call it they about that we we

205
00:09:04,079 --> 00:09:01,089
have this thing where we just it's the

206
00:09:05,639 --> 00:09:04,089
curse of a DD where we just can't go for

207
00:09:07,530 --> 00:09:05,649
more than 30 seconds at making some

208
00:09:10,019 --> 00:09:07,540
cheap joke and we discovered that if you

209
00:09:12,420 --> 00:09:10,029
condense all those those cheap jokes

210
00:09:15,480 --> 00:09:12,430
over the top of the research it's the

211
00:09:17,250 --> 00:09:15,490
old spoonful of sugar yeah a spoonful of

212
00:09:20,310 --> 00:09:17,260
sugar pills helps an S and go down and

213
00:09:22,139 --> 00:09:20,320

RV and that's what we try and do and so

214
00:09:24,630 --> 00:09:22,149
what we actually look for is for the

215
00:09:26,519 --> 00:09:24,640
driest possible area and go can we spice

216
00:09:29,579 --> 00:09:26,529
that up right right and we thought

217
00:09:31,500 --> 00:09:29,589
consumer affairs is pretty dry so we're

218
00:09:33,870 --> 00:09:31,510
doing our best well of course a minute

219
00:09:36,870 --> 00:09:33,880
every time you look at a subject on the

220
00:09:38,790 --> 00:09:36,880
checkout it's done in a very humorous

221
00:09:40,380 --> 00:09:38,800
over-the-top way with people jumping out

222
00:09:42,600 --> 00:09:40,390
of things and well you never know what

223
00:09:44,910 --> 00:09:42,610
to expect yeah um which keeps it very

224
00:09:45,690 --> 00:09:44,920
lively well yeah we do get a lot of I

225
00:09:47,280 --> 00:09:45,700
must have made me do get a lot of

226
00:09:49,980 --> 00:09:47,290
complaints about that because something

227
00:09:52,590 --> 00:09:49,990
which which you might not realize is I

228
00:09:54,780 --> 00:09:52,600
look let's try something out what do you

229
00:09:58,740 --> 00:09:54,790
think the median age of the ABCs

230
00:10:03,600 --> 00:09:58,750
viewership is take a guess medium medium

231
00:10:04,980 --> 00:10:03,610
medium refuge yeah I'd say 59 let me

232
00:10:06,840 --> 00:10:04,990
give you some numbers let me do some

233
00:10:09,120 --> 00:10:06,850
numbers that I don't remember i remember

234
00:10:10,530 --> 00:10:09,130
every other channel exactly but every at

235
00:10:13,260 --> 00:10:10,540
the commercial channels are somewhere

236
00:10:17,730 --> 00:10:13,270
between 42 and 48 from memory their

237
00:10:20,400 --> 00:10:17,740
median age viewership Gabby sees is 63

238
00:10:25,740 --> 00:10:20,410

it's a very old viewership did pretty

239
00:10:27,270 --> 00:10:25,750
well there dr. right you win the view

240
00:10:30,210 --> 00:10:27,280
and the managing director ship of the

241
00:10:31,920 --> 00:10:30,220
absa uh anyway and so as a result of

242
00:10:33,900 --> 00:10:31,930
that all these i mean that's the median

243
00:10:35,370 --> 00:10:33,910
which means there's an awful other 70

244
00:10:37,350 --> 00:10:35,380
year olds neighs year olds watching ABC

245
00:10:39,270 --> 00:10:37,360
as well now I'm not sure they really

246
00:10:41,340 --> 00:10:39,280
enjoy our editing very much I think they

247
00:10:43,200 --> 00:10:41,350
might find a little bit Freddy and some

248
00:10:44,370 --> 00:10:43,210
of you are probably right yeah and so we

249
00:10:46,620 --> 00:10:44,380
are they would remember the

250
00:10:48,030 --> 00:10:46,630
investigators whole they certainly do

251
00:10:50,850 --> 00:10:48,040
and they were not frenetic without

252
00:10:52,410 --> 00:10:50,860
editing at that point in time so um we

253
00:10:54,540 --> 00:10:52,420
do get a fair number of complaints about

254
00:10:56,340 --> 00:10:54,550
that they go who exactly you're making

255
00:10:57,480 --> 00:10:56,350
this show for I can barely follow it and

256
00:11:02,820 --> 00:10:57,490
we just figure we can though you got a

257
00:11:04,950 --> 00:11:02,830
video just just watch it again a good

258
00:11:07,650 --> 00:11:04,960
example of of Europe I guess we're young

259
00:11:09,900 --> 00:11:07,660
I evening for was particularly a

260
00:11:11,730 --> 00:11:09,910
particularly good show which I really

261
00:11:13,290 --> 00:11:11,740
enjoyed last year of the check out where

262
00:11:14,700 --> 00:11:13,300
you looked at the Australia tax for lack

263
00:11:17,670 --> 00:11:14,710

of a better word especially when it

264
00:11:20,850 --> 00:11:17,680
comes to things like iTunes hmm software

265
00:11:23,100 --> 00:11:20,860
companies working on a huge extra cost

266
00:11:25,620 --> 00:11:23,110
simply because you're in Australia and

267
00:11:27,090 --> 00:11:25,630
want to download the exact same bits and

268
00:11:29,100 --> 00:11:27,100
bytes and there's more coming on that

269
00:11:30,510 --> 00:11:29,110
because we does that struck a chord with

270
00:11:32,190 --> 00:11:30,520
a lot of our viewers and they send us a

271
00:11:33,810 --> 00:11:32,200
lot of tip office about that and one of

272
00:11:36,120 --> 00:11:33,820
them i'll just give you a sneak preview

273
00:11:39,360 --> 00:11:36,130
here and couldn't believe this one was

274
00:11:41,340 --> 00:11:39,370
about a car rental company in Melbourne

275
00:11:44,820 --> 00:11:41,350
which shows in there was near the

276
00:11:47,610 --> 00:11:44,830
airport and if you hire the same car and

277
00:11:50,700 --> 00:11:47,620
you are you having a strag and driver's

278
00:11:52,230 --> 00:11:50,710
license versus if you hire exactly same

279
00:11:53,970 --> 00:11:52,240
car for exactly the same period of time

280
00:11:56,310 --> 00:11:53,980
from this Melbourne car rental place and

281
00:11:59,490 --> 00:11:56,320
you haven't have a Canadian passport you

282
00:12:01,560 --> 00:11:59,500
get charged less it just makes no sense

283
00:12:04,530 --> 00:12:01,570
whatsoever they charge you more because

284
00:12:05,970 --> 00:12:04,540
they can charge you yeah yeah so yeah so

285
00:12:07,230 --> 00:12:05,980
there'll be a bit more on that that's

286
00:12:08,550 --> 00:12:07,240
interesting you think that charging

287
00:12:12,570 --> 00:12:08,560
Walker's that we used to driving on the

288
00:12:14,040 --> 00:12:12,580

other side good good that's a bit

289
00:12:16,560 --> 00:12:14,050
amazing know another thing I like about

290
00:12:20,250 --> 00:12:16,570
that the the check out particularly is

291
00:12:22,560 --> 00:12:20,260
you really encourage people to contact

292
00:12:25,050 --> 00:12:22,570
you with tips and information people got

293
00:12:26,370 --> 00:12:25,060
the fu tube which is hilarious yeah and

294
00:12:27,810 --> 00:12:26,380
that Jules is very big on that one that

295
00:12:30,380 --> 00:12:27,820
was actually part of his initial vision

296
00:12:34,460 --> 00:12:30,390
that as much as possible he likes

297
00:12:37,790 --> 00:12:34,470
two have actual viewer view our YouTube

298
00:12:41,180 --> 00:12:37,800
clips leading into stories and oh yeah

299
00:12:43,700 --> 00:12:41,190
we do I can promise you that I'm not

300
00:12:46,250 --> 00:12:43,710
just we I personally read every single

301
00:12:48,350 --> 00:12:46,260
email that we get and I would say at

302
00:12:51,620 --> 00:12:48,360
least half our content comes from

303
00:12:53,120 --> 00:12:51,630
viewers hmm so the it's very very useful

304
00:12:54,980 --> 00:12:53,130
and I can actually see those part of the

305
00:12:57,890 --> 00:12:54,990
mission because you know in these days

306
00:12:59,840 --> 00:12:57,900
of ABC efficiency when people go why is

307
00:13:01,670 --> 00:12:59,850
the ABC there I kind of like the idea

308
00:13:03,410 --> 00:13:01,680
even though I'm not playing together

309
00:13:05,540 --> 00:13:03,420
with any sense subcommittee soon and

310
00:13:06,770 --> 00:13:05,550
testify I do like the idea of going well

311
00:13:09,500 --> 00:13:06,780
you know if this is a commercial show

312
00:13:11,570 --> 00:13:09,510
we'd be ignoring a zane house but we

313
00:13:14,150 --> 00:13:11,580

actually we actually do read those

314
00:13:16,310 --> 00:13:14,160
emails and we respond to as many as we

315
00:13:17,690 --> 00:13:16,320
can there's way too many respond to but

316
00:13:19,850 --> 00:13:17,700
especially people ask questions they

317
00:13:24,050 --> 00:13:19,860
just ask advice but which is really kind

318
00:13:26,390 --> 00:13:24,060
of sad they trust us even serious advice

319
00:13:27,770 --> 00:13:26,400
about their legal situation but just a

320
00:13:30,830 --> 00:13:27,780
bizarre motor several all degrees anyway

321
00:13:32,570 --> 00:13:30,840
so the so we do try and respond and

322
00:13:34,340 --> 00:13:32,580
actually give them advice and then we

323
00:13:36,980 --> 00:13:34,350
have to do that but I just seen as part

324
00:13:38,870 --> 00:13:36,990
of our mission statement yeah there's a

325
00:13:41,690 --> 00:13:38,880
legal minefield what you do is it all

326
00:13:43,640 --> 00:13:41,700
time yeah oh is it ever you would not

327
00:13:45,740 --> 00:13:43,650
believe it because I think number one

328
00:13:47,600 --> 00:13:45,750
that the companies that we're talking

329
00:13:50,030 --> 00:13:47,610
about here have deep pockets and like

330
00:13:51,470 --> 00:13:50,040
the surf right very frequently so it

331
00:13:53,420 --> 00:13:51,480
said that so there's a real issue there

332
00:13:57,320 --> 00:13:53,430
as we've discovered over over again

333
00:13:59,570 --> 00:13:57,330
already but on top of that it's this is

334
00:14:02,210 --> 00:13:59,580
a kind of area where it's just so

335
00:14:04,340 --> 00:14:02,220
complicated that it's very difficult to

336
00:14:06,020 --> 00:14:04,350
there are there are a lot of shades of

337
00:14:07,490 --> 00:14:06,030
gray in this area you know and that's

338
00:14:09,020 --> 00:14:07,500

the reason why people don't understand

339
00:14:10,840 --> 00:14:09,030
it because it's too complicated than the

340
00:14:13,370 --> 00:14:10,850
bother and I think often companies

341
00:14:15,350 --> 00:14:13,380
intentionally make it complicated so you

342
00:14:17,180 --> 00:14:15,360
can't get like banks meant why banks and

343
00:14:19,430 --> 00:14:17,190
all they're charging stuff no one can

344
00:14:21,200 --> 00:14:19,440
get to the bomber that notice it's too

345
00:14:24,350 --> 00:14:21,210
much information yeah yeah it's in it's

346
00:14:26,150 --> 00:14:24,360
intentionally made made inscrutable yeah

347
00:14:29,030 --> 00:14:26,160
we do place which is give me an episode

348
00:14:30,920 --> 00:14:29,040
3 I think about managed funds oh yeah

349
00:14:32,930 --> 00:14:30,930
now the managed funds industry it just

350
00:14:34,820 --> 00:14:32,940
it took us weeks to understand what was

351
00:14:36,140 --> 00:14:34,830
going on there I don't even think the

352
00:14:37,340 --> 00:14:36,150
people involved in this screen I was

353
00:14:39,080 --> 00:14:37,350
going on there is

354
00:14:41,500 --> 00:14:39,090
so hot so yeah there's a lot of research

355
00:14:46,640 --> 00:14:41,510
well the episode they just went to air

356
00:14:48,920 --> 00:14:46,650
had a story on the credit cards yes yes

357
00:14:50,900 --> 00:14:48,930
yes paying off your minimum balance all

358
00:14:52,100 --> 00:14:50,910
the right absolutely yeah yeah and we

359
00:14:53,870 --> 00:14:52,110
try to have as much of that kind of

360
00:14:55,130 --> 00:14:53,880
thing as possible because once again no

361
00:14:56,840 --> 00:14:55,140
one else is going to do that and the

362
00:14:59,480 --> 00:14:56,850
reason why that don't do that it's hard

363
00:15:01,220 --> 00:14:59,490

it's really hard and so we figured you

364
00:15:04,160 --> 00:15:01,230
know like yeah we've all got our law

365
00:15:05,660 --> 00:15:04,170
degrees we where people who like going

366
00:15:07,790 --> 00:15:05,670
through scientific papers and stuff

367
00:15:09,130 --> 00:15:07,800
we're just when nerds so we're not going

368
00:15:14,300 --> 00:15:09,140
to do it who's going to do it Kashi

369
00:15:18,380 --> 00:15:14,310
maybe I'm yet to say that never know we

370
00:15:20,150 --> 00:15:18,390
live in hope it's yeah it's funny how we

371
00:15:22,520 --> 00:15:20,160
end up doing like I'm not in very

372
00:15:24,920 --> 00:15:22,530
financial person but just yeah like I

373
00:15:26,000 --> 00:15:24,930
said if by the way I should say you your

374
00:15:27,980 --> 00:15:26,010
listeners might be wondering why you're

375
00:15:30,020 --> 00:15:27,990
even talking to me like what why I'm not

376
00:15:32,300 --> 00:15:30,030
Julian or crackling I actually work on

377
00:15:34,370 --> 00:15:32,310
the show it's not a I'm the guy in

378
00:15:36,560 --> 00:15:34,380
charge of the scripts so yeah I'm the

379
00:15:38,270 --> 00:15:36,570
script editor so so we all right stuff

380
00:15:40,370 --> 00:15:38,280
together and then I polish it over and

381
00:15:41,630 --> 00:15:40,380
basically I'm the guy behind the scenes

382
00:15:42,650 --> 00:15:41,640
while everyone else is filming stuff

383
00:15:44,600 --> 00:15:42,660
because when you're filming stuff on TV

384
00:15:46,370 --> 00:15:44,610
you just don't have time to dot the i's

385
00:15:48,890 --> 00:15:46,380
and cross the t's and so the advantage

386
00:15:51,050 --> 00:15:48,900
of the chaser since there's 500 of us no

387
00:15:52,460 --> 00:15:51,060
one of us can be taken care of that

388
00:15:54,680 --> 00:15:52,470

while everyone else is putting their

389
00:15:55,790 --> 00:15:54,690
pretty face on TV so I have to be across

390
00:15:57,830 --> 00:15:55,800
all this research that's a result

391
00:16:00,710 --> 00:15:57,840
without then and it's um it does weigh

392
00:16:02,900 --> 00:16:00,720
you down I myself but is it a hundred at

393
00:16:04,790 --> 00:16:02,910
least refreshing change not to be the

394
00:16:07,970 --> 00:16:04,800
character on the team oh yeah yeah look

395
00:16:10,850 --> 00:16:07,980
I'll be honest the only reason why why I

396
00:16:12,230 --> 00:16:10,860
do TV at all I don't like appear on

397
00:16:16,100 --> 00:16:12,240
camera at all is because you get paid

398
00:16:19,010 --> 00:16:16,110
twice as much why does get screwed over

399
00:16:21,830 --> 00:16:19,020
in SJ entire industry said danger money

400
00:16:23,840 --> 00:16:21,840
from no pants I think they are you

401
00:16:28,190 --> 00:16:23,850
audience to get deja money for watching

402
00:16:30,290 --> 00:16:28,200
me with no tax lien basically if you're

403
00:16:32,960 --> 00:16:30,300
if you're the world's best writer and

404
00:16:35,090 --> 00:16:32,970
you walk into a board meeting with a TV

405
00:16:37,190 --> 00:16:35,100
management type and you go I'd like to

406
00:16:39,710 --> 00:16:37,200
do a TV show forgot who are you but if

407
00:16:42,680 --> 00:16:39,720
you're if you're I don't know Shelly

408
00:16:44,600 --> 00:16:42,690
craft and you walk into a TV management

409
00:16:46,790 --> 00:16:44,610
meeting and you go I'd like this TV show

410
00:16:49,210 --> 00:16:46,800
oh you're Shelly craft we recognize you

411
00:16:50,590 --> 00:16:49,220
so you guys it's just the way TV works

412
00:16:52,030 --> 00:16:50,600
so you'll need to get your face in front

413
00:16:53,889 --> 00:16:52,040

of the camera every now and then just so

414
00:16:56,499 --> 00:16:53,899
you have a bit of cachet and you get

415
00:16:59,050 --> 00:16:56,509
paid more but the i hate it i don't like

416
00:17:02,139 --> 00:16:59,060
filming stuff I much prefer writing and

417
00:17:04,990 --> 00:17:02,149
just doing there I'm a geek yeah I like

418
00:17:06,819 --> 00:17:05,000
doing the geek stuff but mother you must

419
00:17:08,079 --> 00:17:06,829
be nice to at least have a change and

420
00:17:10,029 --> 00:17:08,089
it's great it's great that every single

421
00:17:12,939 --> 00:17:10,039
topic you'll spend a week diving in

422
00:17:15,460 --> 00:17:12,949
there and just yeah you'll be neck-deep

423
00:17:17,049 --> 00:17:15,470
in chlorophyll studies and stuff and

424
00:17:18,549 --> 00:17:17,059
then the next next week you'll be doing

425
00:17:21,159 --> 00:17:18,559
some completely different which is

426
00:17:22,600 --> 00:17:21,169
that's fun right they're just getting

427
00:17:27,309 --> 00:17:22,610
back to what we were discussing with the

428
00:17:29,529 --> 00:17:27,319
legal minefield and you do get probably

429
00:17:31,990 --> 00:17:29,539
nasty letters from legal representative

430
00:17:33,520 --> 00:17:32,000
as you are saying yes and we I don't

431
00:17:34,659 --> 00:17:33,530
know how much you can talk about I don't

432
00:17:36,669 --> 00:17:34,669
know what's in front of the courts of

433
00:17:41,830 --> 00:17:36,679
the moment with the Swiss I I can talk

434
00:17:45,100 --> 00:17:41,840
much more than I should um this is why

435
00:17:46,779 --> 00:17:45,110
those things where you just listeners

436
00:17:49,200 --> 00:17:46,789
benefits it's a Swiss vitamin come yes

437
00:17:51,789 --> 00:17:49,210
yes yes and we were making interesting

438
00:17:54,250 --> 00:17:51,799

claims yeah well look look the legal

439
00:17:56,440 --> 00:17:54,260
situation well it's about is essentially

440
00:17:58,240 --> 00:17:56,450
you can look there's not can drive if I

441
00:18:00,549 --> 00:17:58,250
was going to generalize you can have a

442
00:18:03,190 --> 00:18:00,559
go at any company you like yeah but when

443
00:18:04,630 --> 00:18:03,200
you when you make a claim of an

444
00:18:06,520 --> 00:18:04,640
individual that's when it gets in the

445
00:18:08,560 --> 00:18:06,530
defamation companies can't be defined

446
00:18:11,799 --> 00:18:08,570
individuals can be derived generally

447
00:18:14,169 --> 00:18:11,809
speaking yeah now the Swiss violins

448
00:18:15,460 --> 00:18:14,179
story we we were basically it wasn't

449
00:18:18,760 --> 00:18:15,470
really in about Swiss there's about the

450
00:18:20,950 --> 00:18:18,770
TGA which is the regulators of of these

451
00:18:22,539 --> 00:18:20,960
vitamin pills etc and will basically

452
00:18:24,310 --> 00:18:22,549
sanity Jo rubbish yes and their

453
00:18:26,380 --> 00:18:24,320
regulation process is a joke and people

454
00:18:27,909 --> 00:18:26,390
just make whatever stupid claims they

455
00:18:30,490 --> 00:18:27,919
like you didn't basically see you

456
00:18:32,440 --> 00:18:30,500
actually said it as a joke yes very much

457
00:18:33,789 --> 00:18:32,450
so these villagers make up what other

458
00:18:36,130 --> 00:18:33,799
claims they like with very little

459
00:18:38,080 --> 00:18:36,140
evidence and the TGA basically rubber

460
00:18:40,690 --> 00:18:38,090
stamps until someone complains and then

461
00:18:43,090 --> 00:18:40,700
when song complains is it's very onerous

462
00:18:45,100 --> 00:18:43,100
process which clicks into its a gear

463
00:18:46,930 --> 00:18:45,110

after two years the TGA will say well

464
00:18:48,100 --> 00:18:46,940
you can't say that and then they'll just

465
00:18:49,810 --> 00:18:48,110
change a name and then say

466
00:18:51,280 --> 00:18:49,820
yeah like that's basically what we were

467
00:18:54,400 --> 00:18:51,290
alleging now I can repeat all that

468
00:18:57,070 --> 00:18:54,410
because none less defamatory but the as

469
00:18:59,200 --> 00:18:57,080
part of that report we noted that we

470
00:19:01,600 --> 00:18:59,210
focused on Swiss in particular because

471
00:19:03,940 --> 00:19:01,610
they just other face of this kind of

472
00:19:04,930 --> 00:19:03,950
product when I say when I say it's can't

473
00:19:07,150 --> 00:19:04,940
programming the whole vitamin industry

474
00:19:09,190 --> 00:19:07,160
right I they advertise all over the

475
00:19:12,400 --> 00:19:09,200
place so we focus on them and as part of

476
00:19:15,039 --> 00:19:12,410
that process we noted that the that some

477
00:19:18,039 --> 00:19:15,049
of the items that were tested by Swiss

478
00:19:21,430 --> 00:19:18,049
the evidence they presented was tested

479
00:19:23,110 --> 00:19:21,440
by the father of the CEO now here's an

480
00:19:24,549 --> 00:19:23,120
individual right and he said oh hang on

481
00:19:25,870 --> 00:19:24,559
you're linking me dog you've been

482
00:19:28,030 --> 00:19:25,880
talking about now that's defamation

483
00:19:29,260 --> 00:19:28,040
you're saying I'm dodgy so I'm taking a

484
00:19:32,200 --> 00:19:29,270
course so that's what the court case is

485
00:19:34,060 --> 00:19:32,210
all about right and we obviously are

486
00:19:36,340 --> 00:19:34,070
going to disagree with his his

487
00:19:37,510 --> 00:19:36,350
suggestions are allegations and it's

488
00:19:39,039 --> 00:19:37,520

going to take years and years and years

489
00:19:40,510 --> 00:19:39,049
because that's how defamation works I

490
00:19:42,940 --> 00:19:40,520
actually think that hold information

491
00:19:43,900 --> 00:19:42,950
situation I'm really saying is but I

492
00:19:45,760 --> 00:19:43,910
really think the health information

493
00:19:49,150 --> 00:19:45,770
situation in Australia's kind of joke

494
00:19:51,430 --> 00:19:49,160
because poor people don't sue other

495
00:19:54,039 --> 00:19:51,440
people for defamation rich people stupid

496
00:19:56,470 --> 00:19:54,049
people we have power can make themselves

497
00:19:58,990 --> 00:19:56,480
even more powerful by using defamation

498
00:20:00,970 --> 00:19:59,000
law against other people and I if I had

499
00:20:03,039 --> 00:20:00,980
my way there would be or at least the

500
00:20:05,710 --> 00:20:03,049
defamation law would be reformed greatly

501
00:20:07,480 --> 00:20:05,720
but I don't get my way and so we're just

502
00:20:09,100 --> 00:20:07,490
going to do our best and what the

503
00:20:11,530 --> 00:20:09,110
situation the UK has been changing

504
00:20:13,570 --> 00:20:11,540
because of the libel laws there which

505
00:20:15,820 --> 00:20:13,580
you may know something about a good

506
00:20:17,650 --> 00:20:15,830
friend of ours dr. Simon Singh was taken

507
00:20:20,080 --> 00:20:17,660
to task by the chiropractor's yeah hold

508
00:20:21,490 --> 00:20:20,090
them out yeah and there's big court

509
00:20:23,860 --> 00:20:21,500
battles and shoot but they are changing

510
00:20:25,720 --> 00:20:23,870
the law which is a good thing spy who

511
00:20:27,970 --> 00:20:25,730
knows maybe in this country hopefully

512
00:20:29,500 --> 00:20:27,980
hopefully I well the are we we have a we

513
00:20:31,270 --> 00:20:29,510

have a government that is supposedly

514
00:20:33,520 --> 00:20:31,280
about free enterprise I will argue that

515
00:20:36,280 --> 00:20:33,530
free enterprise will prosper if there is

516
00:20:38,409 --> 00:20:36,290
less defamation law yeah I would say

517
00:20:42,340 --> 00:20:38,419
whether the lawyers won't prosper so

518
00:20:43,900 --> 00:20:42,350
much ok anyway chcesz it's it's uh again

519
00:20:45,760 --> 00:20:43,910
it's wonderful that the show is on the I

520
00:20:47,440 --> 00:20:45,770
enjoyed it immensely can't wait to see

521
00:20:49,390 --> 00:20:47,450
that the next episode I learn it

522
00:20:52,000 --> 00:20:49,400
something on every up so especially when

523
00:20:56,440 --> 00:20:52,010
we did the one about the iTunes gala yea

524
00:20:57,940 --> 00:20:56,450
which was eye-opening for me the fact

525
00:20:59,770 --> 00:20:57,950
that you don't need to keep the original

526
00:21:01,750 --> 00:20:59,780
box when you buy something I ya know

527
00:21:03,790 --> 00:21:01,760
that I've had shelves full of

528
00:21:05,860 --> 00:21:03,800
boxes are leaving Austin even receipts

529
00:21:07,930 --> 00:21:05,870
you don't say that usually use need some

530
00:21:09,130 --> 00:21:07,940
kind of proof and the credit card the

531
00:21:11,590 --> 00:21:09,140
credit card account is a proof of

532
00:21:13,000 --> 00:21:11,600
purchase yeah yes I know it's it's it's

533
00:21:14,680 --> 00:21:13,010
a my I learn a lot on this show myself

534
00:21:16,750 --> 00:21:14,690
actually when where when the air when

535
00:21:20,380 --> 00:21:16,760
we're studying stuff it's agonizing will

536
00:21:22,870 --> 00:21:20,390
produce a book ah look look I mean it

537
00:21:25,840 --> 00:21:22,880
could but to be honest we've always

538
00:21:27,670 --> 00:21:25,850

incredibly slack at doing anything else

539
00:21:29,950 --> 00:21:27,680
when we're doing TV I please have a

540
00:21:31,450 --> 00:21:29,960
newspaper which anyway we had the worst

541
00:21:32,800 --> 00:21:31,460
business model in the world the chase

542
00:21:35,680 --> 00:21:32,810
was originally newspaper and we would

543
00:21:37,930 --> 00:21:35,690
spent ages slaving over every Edition

544
00:21:39,340 --> 00:21:37,940
trying to build literally subscriber by

545
00:21:41,020 --> 00:21:39,350
subscriber we'd start off where the o

546
00:21:43,480 --> 00:21:41,030
two thousand subscribers only takes six

547
00:21:45,010 --> 00:21:43,490
months to build painstaking like the two

548
00:21:46,750 --> 00:21:45,020
thousand two hundred subscribers and

549
00:21:48,340 --> 00:21:46,760
then we'd be on TV and you think okay

550
00:21:50,050 --> 00:21:48,350
this is the time where you can

551
00:21:52,120 --> 00:21:50,060
capitalize and get lots and lots of

552
00:21:58,750 --> 00:21:52,130
extra subscribers and we just stopped

553
00:22:01,450 --> 00:21:58,760
doing it yeah and then at the end of the

554
00:22:04,030 --> 00:22:01,460
TV we actually have less subscribe go it

555
00:22:06,850 --> 00:22:04,040
does anyone else they just they big role

556
00:22:08,290 --> 00:22:06,860
role in our episode of episode like when

557
00:22:10,990 --> 00:22:08,300
they're doing TV addition after addition

558
00:22:12,040 --> 00:22:11,000
and trying to trying to write cache in

559
00:22:14,080 --> 00:22:12,050
with their subscribers the we're

560
00:22:16,420 --> 00:22:14,090
hopeless so yeah when we do TV we just

561
00:22:18,130 --> 00:22:16,430
it just takes over we will you spend 14

562
00:22:20,440 --> 00:22:18,140
15 hours a day we have time to do

563
00:22:22,930 --> 00:22:20,450

anything else that's TV is yeah anyway

564
00:22:25,000 --> 00:22:22,940
the checkout is of course ABC TV 8 p.m.

565
00:22:27,520 --> 00:22:25,010
on thursday thank you very much and it's

566
00:22:28,990 --> 00:22:27,530
whether the runs about 10 episodes or

567
00:22:30,850 --> 00:22:29,000
something like that well it did last

568
00:22:32,980 --> 00:22:30,860
year this year we're going a little bit

569
00:22:34,300 --> 00:22:32,990
psycho we've got 20 episodes there's for

570
00:22:37,420 --> 00:22:34,310
best offers the middle there but there's

571
00:22:40,330 --> 00:22:37,430
20 in our oh yes yes you're gonna need a

572
00:22:42,550 --> 00:22:40,340
bit of you're gonna probably need some

573
00:22:44,050 --> 00:22:42,560
alternative medicine but here well i'm

574
00:22:45,490 --> 00:22:44,060
not just the end of that I certainly

575
00:22:46,900 --> 00:22:45,500
finish that we start working on next

576
00:22:49,390 --> 00:22:46,910
chaser show which is at the end of this

577
00:22:51,400 --> 00:22:49,400
year so it's give me a new format so I

578
00:22:53,230 --> 00:22:51,410
don't yeah well speaking of magazines

579
00:22:55,480 --> 00:22:53,240
let me leave you with some of this for

580
00:22:58,690 --> 00:22:55,490
the team no yeah thank you very much the

581
00:23:01,540 --> 00:22:58,700
skipper I'm sure your team might even

582
00:23:03,820 --> 00:23:01,550
get an idea or two out of I tell you we

583
00:23:06,760 --> 00:23:03,830
probably will I tell you alerted ish is

584
00:23:08,710 --> 00:23:06,770
Kirsten it was an absolute machine she

585
00:23:10,900 --> 00:23:08,720
does devours all this kind of stuff she

586
00:23:12,670 --> 00:23:10,910
is like she's the reason that we get her

587
00:23:14,770 --> 00:23:12,680
on the attack dog pieces like yeah like

588
00:23:15,020 --> 00:23:14,780

like this train I'd like that like we

589
00:23:16,880 --> 00:23:15,030
got

590
00:23:19,430 --> 00:23:16,890
go rapport organic food coming up soon

591
00:23:20,990 --> 00:23:19,440
watch out for that one again she and the

592
00:23:24,830 --> 00:23:21,000
superfoods last year as well actually

593
00:23:26,330 --> 00:23:24,840
went through 40 scientific studies to to

594
00:23:27,740 --> 00:23:26,340
produce that report she is just an

595
00:23:30,110 --> 00:23:27,750
exchange he's going to love it so let

596
00:23:32,780 --> 00:23:30,120
her know that she can certainly call on

597
00:23:35,090 --> 00:23:32,790
us for any advice or help or tips from

598
00:23:37,940 --> 00:23:35,100
our 30 plus years of looking into this

599
00:23:40,700 --> 00:23:37,950
interesting area much appreciated Chaz

600
00:23:42,920 --> 00:23:40,710
uh the the check out a great show please

601
00:23:51,530 --> 00:23:42,930
watch it everybody and thank you very

602
00:23:58,440 --> 00:23:54,240
number time when gluten was sent to

603
00:24:03,400 --> 00:24:01,660
for now we're under attack some estimate

604
00:24:06,220 --> 00:24:03,410
a million Australians are currently on

605
00:24:07,900 --> 00:24:06,230
some form of gluten-free diet gluten is

606
00:24:15,310 --> 00:24:07,910
a protein found in foods like bread

607
00:24:17,650 --> 00:24:15,320
pastures cereals and experts have been

608
00:24:20,560 --> 00:24:17,660
warning about the dangers of gluten for

609
00:24:23,170 --> 00:24:20,570
years experts like Gwyneth Paltrow

610
00:24:25,660 --> 00:24:23,180
Miranda Kerr miley cyrus and novak

611
00:24:27,790 --> 00:24:25,670
djokovic is dog all advocate avoiding

612
00:24:29,530 --> 00:24:27,800
gluten to lose weight get fit and even

613
00:24:32,110 --> 00:24:29,540

clear up your skin so why is it the

614
00:24:34,120 --> 00:24:32,120
gluten is suddenly so bad for us let's

615
00:24:36,340 --> 00:24:34,130
check to an expert to find out can you

616
00:24:41,860 --> 00:24:36,350
explain to us why so many Australians

617
00:24:49,090 --> 00:24:41,870
are currently going gluten free yeah

618
00:24:50,770 --> 00:24:49,100
he's gonna work so can you tell me why

619
00:24:52,450 --> 00:24:50,780
more people are going gluten-free the

620
00:24:54,520 --> 00:24:52,460
calmness reason is a condition called

621
00:24:56,920 --> 00:24:54,530
celiac disease this is an autoimmune

622
00:24:59,260 --> 00:24:56,930
condition whereby affected individuals

623
00:25:01,780 --> 00:24:59,270
consume gluten acquire a lot of damage

624
00:25:03,790 --> 00:25:01,790
to the small intestine and sometimes

625
00:25:05,680 --> 00:25:03,800
other organs as a consequence of this

626
00:25:07,300 --> 00:25:05,690
right and so how many people are

627
00:25:09,400 --> 00:25:07,310
affected by that about one in a hundred

628
00:25:11,740 --> 00:25:09,410
Australians there is another group as

629
00:25:13,420 --> 00:25:11,750
perhaps a smaller group of people who do

630
00:25:15,820 --> 00:25:13,430
not feel so good when they're consumed

631
00:25:18,310 --> 00:25:15,830
gluten there is no scientific basis for

632
00:25:20,110 --> 00:25:18,320
this and no scientific explanation and

633
00:25:22,480 --> 00:25:20,120
in particular there are no diagnostic

634
00:25:26,730 --> 00:25:22,490
tests or blood tests for this condition

635
00:25:30,070 --> 00:25:26,740
wait stop don't move cupcake so soon oh

636
00:25:32,720 --> 00:25:30,080
I'm a free on yeah you keep walking free

637
00:25:37,070 --> 00:25:34,789
sorry about that so if you're not a

638
00:25:38,780 --> 00:25:37,080

celiac is there any benefit to go in

639
00:25:41,270 --> 00:25:38,790
building free there is no evidence our

640
00:25:43,039 --> 00:25:41,280
gluten-free diet has beneficial in fact

641
00:25:45,560 --> 00:25:43,049
it is difficult to achieve weight loss

642
00:25:48,049 --> 00:25:45,570
often on a gluten-free diet as often

643
00:25:50,210 --> 00:25:48,059
gluten-free products are supplemented

644
00:25:52,909 --> 00:25:50,220
with fat and sugar to make them more

645
00:25:54,890 --> 00:25:52,919
palatable and tasty I mean compare these

646
00:25:56,990 --> 00:25:54,900
two san remo products are recently

647
00:25:59,270 --> 00:25:57,000
purchased from kohls you serve them on

648
00:26:02,510 --> 00:25:59,280
the desk yes and the gluten-free

649
00:26:05,120 --> 00:26:02,520
products has twenty-five percent more

650
00:26:07,340 --> 00:26:05,130
fat and three times the sugar content so

651
00:26:08,750 --> 00:26:07,350
possible that that's good for you no not

652
00:26:10,669 --> 00:26:08,760
unless you have selected these are

653
00:26:12,740 --> 00:26:10,679
gluten intolerant see that's interesting

654
00:26:14,240 --> 00:26:12,750
because according to this report of a

655
00:26:15,710 --> 00:26:14,250
cold survey which by the way calls

656
00:26:17,960 --> 00:26:15,720
hasn't published and refused to give us

657
00:26:20,450 --> 00:26:17,970
a copy of around fifty percent of people

658
00:26:22,250 --> 00:26:20,460
who buy gluten-free do so cuz they

659
00:26:24,680 --> 00:26:22,260
reckon it's healthier remember the halo

660
00:26:26,480 --> 00:26:24,690
effect even foods healthy in one area

661
00:26:29,210 --> 00:26:26,490
you might wrongly assume that a healthy

662
00:26:33,830 --> 00:26:29,220
in other ways to my mattress is a

663
00:26:35,419 --> 00:26:33,840

cupcake I'm a free on maybe when we see

664
00:26:37,370 --> 00:26:35,429
gluten free on a packet we assume that

665
00:26:39,080 --> 00:26:37,380
it's healthy in other ways and if we

666
00:26:41,060 --> 00:26:39,090
think that then maybe we're willing to

667
00:26:43,580 --> 00:26:41,070
pay a little bit more for it but how

668
00:26:45,890 --> 00:26:43,590
much more remember the same Reno can a

669
00:26:48,080 --> 00:26:45,900
the gluten-free version is two hundred

670
00:26:50,900 --> 00:26:48,090
and fifty percent more expensive than

671
00:26:52,880 --> 00:26:50,910
the normal version oh you just have

672
00:26:55,010 --> 00:26:52,890
those websites on hand yes and according

673
00:26:56,840 --> 00:26:55,020
to select Australia costs a thousand

674
00:26:59,600 --> 00:26:56,850
extra dollars each year to go

675
00:27:02,120 --> 00:26:59,610
gluten-free wow thanks about being a dog

676
00:27:04,340 --> 00:27:02,130
and here's another thing some products

677
00:27:05,960 --> 00:27:04,350
like this gluten-free bacon never had

678
00:27:07,970 --> 00:27:05,970
gluten in them to begin with or if they

679
00:27:10,490 --> 00:27:07,980
did it was in completely negligible

680
00:27:11,810 --> 00:27:10,500
quantities still doesn't hurt to give

681
00:27:13,550 --> 00:27:11,820
you product to point of difference oh

682
00:27:15,620 --> 00:27:13,560
look honey

683
00:27:18,620 --> 00:27:15,630
bacon contains no angry swarms of bees

684
00:27:21,650 --> 00:27:18,630
what a relief make sure you pair that

685
00:27:25,550 --> 00:27:21,660
bacon with this gluten-free salt gluten

686
00:27:27,110 --> 00:27:25,560
free because you know its salt and if

687
00:27:28,940 --> 00:27:27,120
you really want to waste some money why

688
00:27:32,450 --> 00:27:28,950

not treat yourself to some gluten free

689
00:27:34,160 --> 00:27:32,460
shampoo yours for just 2695 even though

690
00:27:36,470 --> 00:27:34,170
the gluten shampoo wouldn't be

691
00:27:39,860 --> 00:27:36,480
problematic for celiacs unless they ate

692
00:27:42,020 --> 00:27:39,870
it hey wait for me so unless you're a

693
00:27:43,850 --> 00:27:42,030
celiac or gluten intolerant and you're

694
00:27:46,310 --> 00:27:43,860
not there's no reason why you can't sit

695
00:27:47,720 --> 00:27:46,320
down to a delightful gluten meal you can

696
00:27:51,980 --> 00:27:47,730
do suspect that you're gluten intolerant

697
00:28:06,740 --> 00:27:51,990
and it's best to speak to a doctor no a

698
00:28:07,700 --> 00:28:06,750
real doctor hey this is jay novela from

699
00:28:09,740 --> 00:28:07,710
the skeptics guide to the universe

700
00:28:11,420 --> 00:28:09,750
podcast did you know that there are

701
00:28:13,430 --> 00:28:11,430
thousands of skeptical reports

702
00:28:15,020 --> 00:28:13,440
interviews and investigations going back

703
00:28:19,910 --> 00:28:15,030
to nineteen eighty one free to download

704
00:28:21,830 --> 00:28:19,920
just visit w WC epic coa you click the

705
00:28:23,810 --> 00:28:21,840
publications link and enjoy almost every

706
00:28:25,760 --> 00:28:23,820
back issue of the skeptic the journal

707
00:28:27,290 --> 00:28:25,770
from australian skeptics you can also

708
00:28:29,600 --> 00:28:27,300
subscribe online and get the latest

709
00:28:31,610 --> 00:28:29,610
digital or hard copy of this the world's

710
00:28:35,270 --> 00:28:31,620
second oldest skeptical magazine that's

711
00:28:43,770 --> 00:28:35,280
ww skeptics com au or just google

712
00:28:48,160 --> 00:28:46,840
we spend a lot of time talking but do we

713
00:28:50,290 --> 00:28:48,170

actually talk about the things that

714
00:28:52,060 --> 00:28:50,300
matter have you talked to your loved

715
00:29:02,620 --> 00:28:52,070
ones about what happens to your organs

716
00:29:04,720 --> 00:29:02,630
after you die organ donation is not as

717
00:29:06,490 --> 00:29:04,730
simple as you may think only a small

718
00:29:09,430 --> 00:29:06,500
percentage of people who die can

719
00:29:11,620 --> 00:29:09,440
actually become donors first you need to

720
00:29:13,450 --> 00:29:11,630
die in a hospital organs deteriorate

721
00:29:15,850 --> 00:29:13,460
quickly once you die because they lack

722
00:29:17,700 --> 00:29:15,860
oxygen this means they won't be healthy

723
00:29:20,410 --> 00:29:17,710
enough to donate if you died elsewhere

724
00:29:22,390 --> 00:29:20,420
even with this however there are very

725
00:29:24,550 --> 00:29:22,400
specific criteria that needs to be met

726
00:29:26,980 --> 00:29:24,560
before someone can donate with each

727
00:29:29,020 --> 00:29:26,990
organ having different criteria these

728
00:29:33,580 --> 00:29:29,030
include a wide range of factors for both

729
00:29:35,050 --> 00:29:33,590
donor and recipient a person can only

730
00:29:37,210 --> 00:29:35,060
donate their organs once I've been

731
00:29:40,210 --> 00:29:37,220
pronounced brain-dead meaning they can't

732
00:29:43,390 --> 00:29:40,220
think feel respond or breathe

733
00:29:45,310 --> 00:29:43,400
independently a diagnosis of brain death

734
00:29:47,920 --> 00:29:45,320
must be given by two separate doctors

735
00:29:49,770 --> 00:29:47,930
before the donors organs can even be

736
00:29:52,180 --> 00:29:49,780
considered for transplantation

737
00:29:53,890 --> 00:29:52,190
additionally the criteria ensure that

738
00:29:56,320 --> 00:29:53,900

people receiving the organs have the

739
00:29:58,330 --> 00:29:56,330
best chance of survival with every donor

740
00:30:00,490 --> 00:29:58,340
being capable of transforming the lives

741
00:30:02,860 --> 00:30:00,500
of 10 or more people it's really

742
00:30:04,870 --> 00:30:02,870
important that the organs use the best

743
00:30:06,790 --> 00:30:04,880
they can if you want to register to

744
00:30:08,830 --> 00:30:06,800
become a donor discuss it with your

745
00:30:11,200 --> 00:30:08,840
family first then goes to the Donate

746
00:30:15,280 --> 00:30:11,210
Life website to find out more and now

747
00:30:18,350 --> 00:30:15,290
for fast facts about organ donation

748
00:30:21,530 --> 00:30:18,360
the first human organ transplant took

749
00:30:24,440 --> 00:30:21,540
place in 1883 a thyroid transplantation

750
00:30:26,510 --> 00:30:24,450
by Swiss surgeon tier door cutter one of

751
00:30:29,060 --> 00:30:26,520
the major issues is rejection of the

752
00:30:30,980 --> 00:30:29,070
organ by the recipients body this is

753
00:30:33,380 --> 00:30:30,990
minimized by reducing the effectiveness

754
00:30:36,290 --> 00:30:33,390
of the recipients immune system the

755
00:30:38,390 --> 00:30:36,300
first heart transplantation was in 1967

756
00:30:41,060 --> 00:30:38,400
by christiaan barnard a South African

757
00:30:43,790 --> 00:30:41,070
surgeon and research is continuing into

758
00:30:46,010 --> 00:30:43,800
xenotransplantation using animal cells

759
00:30:48,860 --> 00:30:46,020
or organs to transplant into humans

760
00:30:50,150 --> 00:30:48,870
which could ease organ waiting lists one

761
00:30:51,770 --> 00:30:50,160
to find out more about organ

762
00:30:53,930 --> 00:30:51,780
transplantation head to our website

763
00:30:55,340 --> 00:30:53,940

where we have some more information and

764
00:31:10,310 --> 00:30:55,350
we'll catch you right back here next

765
00:31:12,740 --> 00:31:10,320
week did you see that UFO sighting that

766
00:31:14,420 --> 00:31:12,750
made the news what did that latest study

767
00:31:16,850 --> 00:31:14,430
about alternative treatments really say

768
00:31:19,820 --> 00:31:16,860
is this photo making the rounds real or

769
00:31:21,680 --> 00:31:19,830
hoax doubtful news is a unique website

770
00:31:23,840 --> 00:31:21,690
featuring news about pseudoscience the

771
00:31:25,540 --> 00:31:23,850
paranormal anomalies and questionable

772
00:31:28,790 --> 00:31:25,550
claims framed with the skeptical view

773
00:31:31,250 --> 00:31:28,800
come visit doleful newscom every day for

774
00:31:34,400 --> 00:31:31,260
news about cryptozoology conspiracies

775
00:31:36,890 --> 00:31:34,410
shams scams and more follow us on

776
00:31:38,450 --> 00:31:36,900
twitter at doubtful news critical

777
00:31:40,730 --> 00:31:38,460
thinking is essential in assessing

778
00:31:47,290 --> 00:31:40,740
today's news duffel news helps you

779
00:31:47,300 --> 00:31:51,480
this is the cosmos

780
00:31:58,080 --> 00:31:53,790
network of a hundred billion galaxies

781
00:32:16,790 --> 00:31:58,090
and it's the greatest story science has

782
00:32:23,120 --> 00:32:19,430
life on Earth there's one of unsolved

783
00:32:45,980 --> 00:32:23,130
mysteries of science come with me our

784
00:32:51,110 --> 00:32:48,900
and welcome everybody we're really

785
00:32:53,430 --> 00:32:51,120
pleased to have you here with us tonight

786
00:32:56,550 --> 00:32:53,440
to share the premiere screening of

787
00:32:58,410 --> 00:32:56,560
cosmos a spacetime Odyssey and we're

788
00:33:00,930 --> 00:32:58,420

very lucky to matter to have the

789
00:33:05,130 --> 00:33:00,940
presence of Andrew and Neil deGrasse

790
00:33:07,950 --> 00:33:05,140
Tyson who are on a four continent global

791
00:33:11,190 --> 00:33:07,960
promotional tour in and we have them

792
00:33:13,350 --> 00:33:11,200
here in Sydney there are many many

793
00:33:16,110 --> 00:33:13,360
fantastic television shows that are

794
00:33:18,630 --> 00:33:16,120
produced every year but there are only a

795
00:33:21,690 --> 00:33:18,640
few there are truly groundbreaking and

796
00:33:24,990 --> 00:33:21,700
iconic and the original cosmos series

797
00:33:28,080 --> 00:33:25,000
was one of those shows 30 years later

798
00:33:30,780 --> 00:33:28,090
it's time to bring it back and to bring

799
00:33:34,050 --> 00:33:30,790
it back to audiences around the world in

800
00:33:36,270 --> 00:33:34,060
what will be like jason said the largest

801
00:33:39,240 --> 00:33:36,280
global launch event for a television

802
00:33:41,160 --> 00:33:39,250
series we're going to be premiering it

803
00:33:44,010 --> 00:33:41,170
across all of National Geographic

804
00:33:48,390 --> 00:33:44,020
channel's and across all Fox channels

805
00:33:51,960 --> 00:33:48,400
around the world in 171 countries in 45

806
00:33:55,050 --> 00:33:51,970
languages at National Geographic we're

807
00:33:58,200 --> 00:33:55,060
passionate about exploration it's in our

808
00:34:01,320 --> 00:33:58,210
DNA and cosmos a spacetime Odyssey

809
00:34:04,410 --> 00:34:01,330
represents a stunning epic journey into

810
00:34:06,330 --> 00:34:04,420
a new age of exploration the series

811
00:34:08,400 --> 00:34:06,340
aspires to bring the wonders of the

812
00:34:11,130 --> 00:34:08,410
universe to the broadest possible

813
00:34:13,870 --> 00:34:11,140

audience through stunning visuals and

814
00:34:17,140 --> 00:34:13,880
outstanding storytelling

815
00:34:19,900 --> 00:34:17,150
this is a thrilling 13-part series I

816
00:34:23,050 --> 00:34:19,910
hope you really enjoy tonight ask all

817
00:34:25,300 --> 00:34:23,060
the questions you want to us and you

818
00:34:28,270 --> 00:34:25,310
won't get too many opportunities to meet

819
00:34:38,160 --> 00:34:28,280
Neil and an and ask them whatever you

820
00:34:41,790 --> 00:34:38,170
want to us thank you very much so

821
00:34:59,980 --> 00:34:41,800
without further ado can I please welcome

822
00:35:04,490 --> 00:35:02,530
so before we get into the question time

823
00:35:07,160 --> 00:35:04,500
typist on a bit of a journey through a

824
00:35:18,020 --> 00:35:07,170
cosmos the revisiting of one of the most

825
00:35:25,410 --> 00:35:23,220
well it was my honor to write the

826
00:35:28,860 --> 00:35:25,420
original cosmos series with the great

827
00:35:34,320 --> 00:35:28,870
Carl thing and when astrophysicist

828
00:35:38,250 --> 00:35:34,330
Steven Soter so 35 years ago and seven

829
00:35:41,760 --> 00:35:38,260
years ago I began setting out to produce

830
00:35:43,980 --> 00:35:41,770
and to write with Steven Soter the new

831
00:35:47,130 --> 00:35:43,990
cosmos series

832
00:35:50,730 --> 00:35:47,140
very one of our first decisions

833
00:35:52,620 --> 00:35:50,740
was to invite Neil deGrasse Tyson to

834
00:35:55,060 --> 00:35:52,630
join us

835
00:35:58,150 --> 00:35:55,070
and I think

836
00:36:01,240 --> 00:35:58,160
the medical reasons why we made that

837
00:36:07,210 --> 00:36:01,250
choice will become crystal clear during

838
00:36:11,800 --> 00:36:07,220

the course of the next 15 News so we now

839
00:36:14,290 --> 00:36:11,810
have a new 13 hours 13 hours of Cosmos

840
00:36:17,620 --> 00:36:14,300
experience in the world thanks to

841
00:36:20,349 --> 00:36:17,630
National Geographic and Fox we have been

842
00:36:24,880 --> 00:36:20,359
given as you've just heard

843
00:36:28,260 --> 00:36:24,890
the life broadest tallest possible

844
00:36:31,650 --> 00:36:28,270
platform in which to do so

845
00:36:34,800 --> 00:36:31,660
cosmos as you probably all know is the

846
00:36:38,010 --> 00:36:34,810
great story of the universe as revealed

847
00:36:42,510 --> 00:36:38,020
by science it's also the story of the

848
00:36:46,040 --> 00:36:42,520
searchers who helped us establish our

849
00:36:51,030 --> 00:36:46,050
imperfect and incomplete understanding

850
00:36:55,370 --> 00:36:51,040
of the vastness it's also a journey

851
00:36:59,760 --> 00:36:55,380
across the universe of space and in time

852
00:37:01,770 --> 00:36:59,770
and love to turn over to kneel to

853
00:37:06,170 --> 00:37:01,780
complete our little introduction she

854
00:37:12,810 --> 00:37:09,290
cosmos I think distinguishes itself from

855
00:37:15,090 --> 00:37:12,820
the traditional documentary where

856
00:37:16,680 --> 00:37:15,100
nowadays when you go tune into a

857
00:37:18,600 --> 00:37:16,690
documentary there's some expectations

858
00:37:21,000 --> 00:37:18,610
you have and typically they're fulfilled

859
00:37:24,180 --> 00:37:21,010
the documentary teachers use some

860
00:37:27,660 --> 00:37:24,190
frontier subject that's been updated

861
00:37:31,170 --> 00:37:27,670
recently or perhaps it'll it'll be a

862
00:37:33,420 --> 00:37:31,180
little more sort of pedantic and will

863
00:37:36,660 --> 00:37:33,430

give you basic information about some

864
00:37:39,510 --> 00:37:36,670
knowledge of typically a page torn from

865
00:37:43,980 --> 00:37:39,520
a textbook and that's fine that's fine

866
00:37:46,980 --> 00:37:43,990
but cosmos original and I think we've

867
00:37:49,500 --> 00:37:46,990
succeeded in continuing this epic

868
00:37:51,870 --> 00:37:49,510
adventure we do more than that yes

869
00:37:54,450 --> 00:37:51,880
there's science to learn no doubt about

870
00:37:57,000 --> 00:37:54,460
it but what's more important than even

871
00:38:01,430 --> 00:37:57,010
the science to learn is why the science

872
00:38:06,000 --> 00:38:01,440
matters to you as a human being to

873
00:38:10,710 --> 00:38:06,010
culture to our capacity to be good

874
00:38:13,440 --> 00:38:10,720
shepherds of civilization and it's this

875
00:38:15,480 --> 00:38:13,450
messaging that is throughout cusp of the

876
00:38:19,200 --> 00:38:15,490
original and the new one that

877
00:38:21,300 --> 00:38:19,210
distinguishes what cosmos is and what it

878
00:38:26,790 --> 00:38:21,310
will mean to you after you've observed

879
00:38:28,890 --> 00:38:26,800
it and so people always ask me us well

880
00:38:30,240 --> 00:38:28,900
the bottom how much science has

881
00:38:33,030 --> 00:38:30,250
happened in the last 35 years what did

882
00:38:34,980 --> 00:38:33,040
you have to add and yeah sure there's

883
00:38:38,520 --> 00:38:34,990
what the multiverse we got that all

884
00:38:41,460 --> 00:38:38,530
right the plateau is a thousand planets

885
00:38:46,130 --> 00:38:41,470
discovered orbiting other stars beyond

886
00:38:48,990 --> 00:38:46,140
the Sun we got that right we were there

887
00:38:53,220 --> 00:38:49,000
but without a thread that connects it

888
00:38:57,180 --> 00:38:53,230

back to us it would just be information

889
00:39:00,900 --> 00:38:57,190
rather than wisdom and so if we

890
00:39:03,660 --> 00:39:00,910
succeeded as in the way we think we have

891
00:39:08,330 --> 00:39:03,670
duly continued this epic adventure begun

892
00:39:10,320 --> 00:39:08,340
by carl sagan how do you find the

893
00:39:13,080 --> 00:39:10,330
accessibility of the science was that a

894
00:39:14,880 --> 00:39:13,090
challenge in the new series be it wasn't

895
00:39:17,310 --> 00:39:14,890
a challenge because i'm not a scientist

896
00:39:19,740 --> 00:39:17,320
and so I know if I don't understand

897
00:39:22,980 --> 00:39:19,750
something then my friends in the

898
00:39:24,920 --> 00:39:22,990
audience will not understand also and I

899
00:39:29,790 --> 00:39:24,930
think the important thing is to

900
00:39:31,920 --> 00:39:29,800
communicate and to connect and I hope

901
00:39:36,050 --> 00:39:31,930
you'll feel that we haven't in any way

902
00:39:42,030 --> 00:39:36,060
dumb down the science in these 13 hours

903
00:39:45,180 --> 00:39:42,040
but as Carl Sagan taught us all there's

904
00:39:47,700 --> 00:39:45,190
a way to say it through that everyone

905
00:39:51,720 --> 00:39:47,710
from a smallest child

906
00:39:55,770 --> 00:39:51,730
to the person lost this August

907
00:40:00,060 --> 00:39:55,780
scientists can appreciate the meaning

908
00:40:04,560 --> 00:40:00,070
and a significant and I think that all

909
00:40:10,260 --> 00:40:04,570
of us remember the singular poetry that

910
00:40:13,050 --> 00:40:10,270
Carl brought to joy of understanding a

911
00:40:17,260 --> 00:40:13,060
little bit about the beauty and the

912
00:40:19,090 --> 00:40:17,270
bestest of which we are a part

913
00:40:20,740 --> 00:40:19,100

do you feel neil communicating the

914
00:40:23,140 --> 00:40:20,750
science on the show that the

915
00:40:26,020 --> 00:40:23,150
responsibility of potentially changing

916
00:40:28,690 --> 00:40:26,030
government policy I mean this is oh yeah

917
00:40:31,510 --> 00:40:28,700
I mean people said people say oh well

918
00:40:33,760 --> 00:40:31,520
Commons be good for kids yeah but adults

919
00:40:36,880 --> 00:40:33,770
outnumber kids five to one in the world

920
00:40:41,580 --> 00:40:36,890
and adults run things and wield

921
00:40:46,330 --> 00:40:41,590
resources and have all power and and so

922
00:40:50,080 --> 00:40:46,340
I would expect if cosmos succeeds as we

923
00:40:51,490 --> 00:40:50,090
intend that whether or not you see

924
00:40:53,800 --> 00:40:51,500
cosmos and say I want to become a

925
00:40:56,980 --> 00:40:53,810
scientist that'd be good okay I don't

926
00:41:00,310 --> 00:40:56,990
know probably bad yeah yeah yeah but you

927
00:41:03,460 --> 00:41:00,320
work more likely statistically is that

928
00:41:05,320 --> 00:41:03,470
the entire communities of people who

929
00:41:08,290 --> 00:41:05,330
would have never thought to think about

930
00:41:10,060 --> 00:41:08,300
science before and the way it's been

931
00:41:14,290 --> 00:41:10,070
presented in cosmos and it may then

932
00:41:19,240 --> 00:41:14,300
influence their future thinking about

933
00:41:21,670 --> 00:41:19,250
policy about society about I mean think

934
00:41:24,490 --> 00:41:21,680
about it their needs we now have in the

935
00:41:27,490 --> 00:41:24,500
21st century transportation energy and

936
00:41:29,920 --> 00:41:27,500
the conflict the duality between the

937
00:41:32,020 --> 00:41:29,930
needs for energy and the consequences of

938
00:41:35,500 --> 00:41:32,030

burning fossil fuels on the very

939
00:41:39,250 --> 00:41:35,510
environment than providing us stable

940
00:41:43,030 --> 00:41:39,260
climate to conduct these activities so

941
00:41:46,150 --> 00:41:43,040
we become the seeds of our own undoing

942
00:41:49,240 --> 00:41:46,160
and one of the greatest tragedies of the

943
00:41:51,490 --> 00:41:49,250
galaxy would be that our civilization

944
00:41:54,430 --> 00:41:51,500
collapses for reasons that we had

945
00:41:58,000 --> 00:41:54,440
foresight to predict and the power to

946
00:42:00,280 --> 00:41:58,010
stop yet didn't and in my twitter stream

947
00:42:02,530 --> 00:42:00,290
i occasionally reflect upon how

948
00:42:04,390 --> 00:42:02,540
embarrassed I be if an alien landed next

949
00:42:06,280 --> 00:42:04,400
to me I had to tell them yeah we're

950
00:42:08,090 --> 00:42:06,290
pulling fossil fuels out of the ground

951
00:42:09,890 --> 00:42:08,100
is that how you're getting

952
00:42:12,500 --> 00:42:09,900
energy when all the universe is

953
00:42:14,630 --> 00:42:12,510
unlimited sources and and so the

954
00:42:16,220 --> 00:42:14,640
conversation I have I said okay Alec

955
00:42:18,490 --> 00:42:16,230
come back to in 100 years all right

956
00:42:22,790 --> 00:42:18,500
maybe we are got something show me that

957
00:42:27,640 --> 00:42:22,800
exactly at the heart of cosmos is how do

958
00:42:30,110 --> 00:42:27,650
you get the public to stop

959
00:42:33,890 --> 00:42:30,120
compartmentalizing the scientific

960
00:42:37,060 --> 00:42:33,900
information that we get when we hold

961
00:42:39,350 --> 00:42:37,070
something wholly unrelated in our hearts

962
00:42:43,340 --> 00:42:39,360
cosmos think about breaking down that

963
00:42:45,710 --> 00:42:43,350

wall before it's too late so that we

964
00:42:47,800 --> 00:42:45,720
begin to take to heart not only the

965
00:42:49,980 --> 00:42:47,810
warnings of the scientific community

966
00:42:56,400 --> 00:42:49,990
most urgently

967
00:42:58,980 --> 00:42:56,410
but also the beauty of our origins where

968
00:43:02,280 --> 00:42:58,990
we came from of the continuity of the

969
00:43:07,560 --> 00:43:02,290
life that stretches back almost 4

970
00:43:10,109 --> 00:43:07,570
billion years on this planet I hope that

971
00:43:13,010 --> 00:43:10,119
the cosmos can accomplish anything it

972
00:43:18,000 --> 00:43:13,020
would be to break down that denial and

973
00:43:21,000 --> 00:43:18,010
to awaken us from our stupor and begin

974
00:43:24,720 --> 00:43:21,010
to protect that continuity and value it

975
00:43:26,690 --> 00:43:24,730
above anything else yeah I add that I

976
00:43:30,620 --> 00:43:26,700
imagine that there are three categories

977
00:43:34,170 --> 00:43:30,630
there's more than three button for this

978
00:43:35,430 --> 00:43:34,180
three broad kinds of people they're the

979
00:43:37,320 --> 00:43:35,440
people who are already sort of

980
00:43:41,010 --> 00:43:37,330
comfortable comfortable with science

981
00:43:44,520 --> 00:43:41,020
sort of a geek set right d chic and so

982
00:43:47,790 --> 00:43:44,530
we got there we got there there we got

983
00:43:50,850 --> 00:43:47,800
any of the people who never knew that

984
00:43:52,980 --> 00:43:50,860
they would like songz run bracelet p and

985
00:43:56,430 --> 00:43:52,990
the cosmos would then be an awakening

986
00:43:59,390 --> 00:43:56,440
for them that the ignition of a flame

987
00:44:01,950 --> 00:43:59,400
that can burn deeply within them

988
00:44:04,320 --> 00:44:01,960

awakening perhaps if you will their

989
00:44:06,240 --> 00:44:04,330
inner geek there's a third category i

990
00:44:08,190 --> 00:44:06,250
think is the most challenging and I

991
00:44:10,020 --> 00:44:08,200
think we might even succeed there as

992
00:44:12,510 --> 00:44:10,030
well this is the community of people

993
00:44:15,270 --> 00:44:12,520
that as far as they're concerned they

994
00:44:18,150 --> 00:44:15,280
know they don't like science the science

995
00:44:20,640 --> 00:44:18,160
is not for that the Site may be there

996
00:44:23,160 --> 00:44:20,650
the walking wounded from their days in

997
00:44:26,190 --> 00:44:23,170
school I have to having an injured in

998
00:44:28,680 --> 00:44:26,200
science classes but there's surely a

999
00:44:31,010 --> 00:44:28,690
community of people that were Jack sites

1000
00:44:34,650 --> 00:44:31,020
for whatever reasons be it some other

1001
00:44:36,060 --> 00:44:34,660
conflicting bit of philosophy the

1002
00:44:39,450 --> 00:44:36,070
political philosophy religious

1003
00:44:43,500 --> 00:44:39,460
philosophy any outlook you have the

1004
00:44:45,750 --> 00:44:43,510
forces you to reject it cosmos will be

1005
00:44:48,839 --> 00:44:45,760
very visible to them I think it'll be

1006
00:44:50,670 --> 00:44:48,849
hard to channel sir past it

1007
00:44:53,880 --> 00:44:50,680
studying visualizations of the universe

1008
00:44:57,539 --> 00:44:53,890
the tenderness with which information is

1009
00:45:00,019 --> 00:44:57,549
conveyed the soulfulness with which you

1010
00:45:03,450 --> 00:45:00,029
learn what our place is in the universe

1011
00:45:06,479 --> 00:45:03,460
it's not i'm not there pontificating I'm

1012
00:45:09,479 --> 00:45:06,489
not up on high requiring that you pay

1013
00:45:12,960 --> 00:45:09,489

attention to me this is an offering and

1014
00:45:15,839 --> 00:45:12,970
I think at my best I'm I come out of the

1015
00:45:19,349 --> 00:45:15,849
screen and I'm sitting XD and we're just

1016
00:46:01,390 --> 00:45:19,359
talking about the universe on that night

1017
00:46:07,190 --> 00:46:04,279
thank you for listening to the skeptic

1018
00:46:09,349 --> 00:46:07,200
zone and as promised as promised here

1019
00:46:12,230 --> 00:46:09,359
are the details of how you can win that

1020
00:46:14,150 --> 00:46:12,240
wonderful cosmos pack courtesy of the

1021
00:46:15,859 --> 00:46:14,160
national geographic channel I have one

1022
00:46:17,749 --> 00:46:15,869
pack to give away for an Australian

1023
00:46:19,849 --> 00:46:17,759
listener and one pack to give away for

1024
00:46:21,650 --> 00:46:19,859
an international listener at the moment

1025
00:46:23,720 --> 00:46:21,660
all those people who are coming to

1026
00:46:26,120 --> 00:46:23,730
Sydney skeptics in the pub by the way

1027
00:46:28,700 --> 00:46:26,130
I've got another prize pack to give away

1028
00:46:31,190 --> 00:46:28,710
they're another price pack probably for

1029
00:46:34,339 --> 00:46:31,200
the dinner coming up and well so on

1030
00:46:37,120 --> 00:46:34,349
anyway getting back to the competition

1031
00:46:43,009 --> 00:46:37,130
now to make it fair all you have to do

1032
00:46:46,490 --> 00:46:43,019
is come up with a number between 1 and 1

1033
00:46:48,620 --> 00:46:46,500
billion in this case that's a thousand

1034
00:46:51,529 --> 00:46:48,630
million not a million million so a

1035
00:46:54,579 --> 00:46:51,539
number between one and a thousand

1036
00:46:59,660 --> 00:46:54,589
million write that number in an email

1037
00:47:03,410 --> 00:46:59,670
addressed to cosmos at skeptic zone dot

1038
00:47:05,960 --> 00:47:03,420

TV the person with the closest number to

1039
00:47:08,269 --> 00:47:05,970
the randomly selected number in

1040
00:47:10,940 --> 00:47:08,279
Australia will win a cosmos pack and

1041
00:47:12,470 --> 00:47:10,950
also the same for the person who has the

1042
00:47:16,009 --> 00:47:12,480
closest number to a randomly selected

1043
00:47:18,289 --> 00:47:16,019
number internationally the competition

1044
00:47:21,620 --> 00:47:18,299
will close at midnight on the 6th of

1045
00:47:24,799 --> 00:47:21,630
March that's this coming Thursday which

1046
00:47:26,809 --> 00:47:24,809
midnight you might ask your local time

1047
00:47:30,769 --> 00:47:26,819
midnight in other words when the last

1048
00:47:32,150 --> 00:47:30,779
midnight on in the world on the six of

1049
00:47:34,640 --> 00:47:32,160
March has gone that's when the

1050
00:47:37,069 --> 00:47:34,650
competition closes so there it is send

1051
00:47:39,589 --> 00:47:37,079
an email with your guests of a number

1052
00:47:42,710 --> 00:47:39,599
between one and one thousand million

1053
00:47:45,200 --> 00:47:42,720
addressed to cosmos at skeptics own TV

1054
00:47:47,720 --> 00:47:45,210
you could put competition in the subject

1055
00:47:51,259 --> 00:47:47,730
line and I'll announce the winners on

1056
00:47:53,539 --> 00:47:51,269
next week's show and don't forget for

1057
00:47:56,089 --> 00:47:53,549
those listeners in Australia tune in to

1058
00:47:58,460 --> 00:47:56,099
the National Geographic Channel Sunday

1059
00:48:00,650 --> 00:47:58,470
March the 16th at seven-thirty p.m. for

1060
00:48:03,259 --> 00:48:00,660
the first episode of cosmos and

1061
00:48:05,990 --> 00:48:03,269
everybody else around the world check

1062
00:48:08,900 --> 00:48:06,000
your local listings but for now this is

1063
00:48:12,980 --> 00:48:08,910

Richard Saunders signing off from Sydney

1064
00:48:20,400 --> 00:48:15,390
you've been listening to the skeptic

1065
00:48:24,180 --> 00:48:20,410
zone visit our website at www skeptics