

1  
00:00:00,000 --> 00:00:10,980  
this is James Randi and you're listening

2  
00:00:01,949 --> 00:00:13,859  
to the skeptic zone welcome to the

3  
00:00:10,980 --> 00:00:17,570  
skeptic zone the podcast from Australia

4  
00:00:13,859 --> 00:00:17,570  
for science and reason

5  
00:00:26,410 --> 00:00:32,659  
hello and welcome to the skeptic zone

6  
00:00:29,239 --> 00:00:36,558  
episode number 280 for the second of

7  
00:00:32,659 --> 00:00:39,890  
March 2014 Richard Saunders here with

8  
00:00:36,558 --> 00:00:42,649  
you from Sydney Australia a bit soggy

9  
00:00:39,890 --> 00:00:46,939  
this weekend coming up on this week's

10  
00:00:42,649 --> 00:00:49,488  
show dr. Richie and I interview Chaz

11  
00:00:46,939 --> 00:00:51,378  
licciardello from the check out program

12  
00:00:49,488 --> 00:00:53,238  
now many Australian listeners will be

13  
00:00:51,378 --> 00:00:55,488  
very familiar with Chaz and the chaser

14  
00:00:53,238 --> 00:00:59,058  
team for the chases war on everything

15  
00:00:55,488 --> 00:01:01,669  
CNN and then Planet Amerika lots of

16  
00:00:59,058 --> 00:01:04,039  
shows from the chase of people Chaz is

17  
00:01:01,670 --> 00:01:06,109  
now one of the people behind the new

18  
00:01:04,040 --> 00:01:08,750  
show that check out well it's in its

19  
00:01:06,109 --> 00:01:11,390  
second series this is all about consumer

20  
00:01:08,750 --> 00:01:13,489  
affairs and done with a pretty funny

21  
00:01:11,390 --> 00:01:16,849  
twist but it's really really good

22  
00:01:13,489 --> 00:01:19,819  
information and many times good

23  
00:01:16,849 --> 00:01:21,978  
skeptical information so chat with

24  
00:01:19,819 --> 00:01:24,408  
chairs from the check out learn a little

25  
00:01:21,978 --> 00:01:26,780  
bit about the behind-the-scenes action

26  
00:01:24,409 --> 00:01:30,710  
and following that we have a clip from

27  
00:01:26,780 --> 00:01:35,390  
the most recent show all about gluten

28  
00:01:30,709 --> 00:01:38,599  
free food following that it's a week in

29

00:01:35,390 --> 00:01:40,368  
science from our friends at RI aus org

30  
00:01:38,599 --> 00:01:42,559  
dot au the Royal Institution of

31  
00:01:40,368 --> 00:01:45,920  
australia this week rather a serious

32  
00:01:42,560 --> 00:01:47,719  
subject really organ donation and then

33  
00:01:45,920 --> 00:01:52,310  
to round off the show more from dr. Neil

34  
00:01:47,718 --> 00:01:55,009  
deGrasse Tyson and andrian who are just

35  
00:01:52,310 --> 00:01:57,829  
about to launch the new cosmos series on

36  
00:01:55,009 --> 00:02:01,039  
the world I was very fortunate to attend

37  
00:01:57,828 --> 00:02:03,108  
a special screening of the first episode

38  
00:02:01,039 --> 00:02:04,909  
of cosmos here in Sydney at the sydney

39  
00:02:03,108 --> 00:02:07,849  
opera house and i'm going to play some

40  
00:02:04,909 --> 00:02:10,459  
audio from that evening question and

41  
00:02:07,849 --> 00:02:11,750  
answers and more comments but stay tuned

42  
00:02:10,459 --> 00:02:16,069  
after that at the end of the show

43  
00:02:11,750 --> 00:02:18,318

details of how you can win a little

44  
00:02:16,068 --> 00:02:21,259  
prize pack from cosmos courtesy of the

45  
00:02:18,318 --> 00:02:23,719  
national geographic channel consisting

46  
00:02:21,259 --> 00:02:26,959  
of amongst other things an autographed

47  
00:02:23,719 --> 00:02:30,318  
copy of the cosmos book autographed by

48  
00:02:26,959 --> 00:02:31,849  
dr. Neil deGrasse Tyson and andrian but

49  
00:02:30,318 --> 00:02:34,280  
before we kick off the show with the

50  
00:02:31,849 --> 00:02:36,408  
interview with the chairs from the check

51  
00:02:34,280 --> 00:02:38,240  
out I've been told that there's going to

52  
00:02:36,408 --> 00:02:41,389  
be a skeptic camp

53  
00:02:38,240 --> 00:02:44,659  
brisbane yeah good old brisbane on the

54  
00:02:41,389 --> 00:02:47,239  
19th of july at hamilton town hall the

55  
00:02:44,659 --> 00:02:52,270  
best thing to do is to go to the website

56  
00:02:47,240 --> 00:02:54,500  
breeze skepta camp org also don't forget

57  
00:02:52,270 --> 00:02:57,650  
sydneysiders sydney skeptics in the pub

58  
00:02:54,500 --> 00:03:00,590  
the first thursday of the month at the

59  
00:02:57,650 --> 00:03:03,469  
crown hotel and we also have a great

60  
00:03:00,590 --> 00:03:06,319  
dinner coming up in sydney on march the

61  
00:03:03,469 --> 00:03:09,229  
29 about technophobia with a really

62  
00:03:06,319 --> 00:03:11,530  
interesting speaker Ketton joshi more

63  
00:03:09,229 --> 00:03:15,019  
information about all that head to ww

64  
00:03:11,530 --> 00:03:17,449  
skeptics com au where you can also

65  
00:03:15,020 --> 00:03:19,370  
subscribe to the magazine the skeptic

66  
00:03:17,449 --> 00:03:23,959  
but for now it's time for me to run

67  
00:03:19,370 --> 00:03:27,920  
downstairs look for some nice some blue

68  
00:03:23,960 --> 00:03:29,900  
cheese quite partial to blue cheese well

69  
00:03:27,919 --> 00:03:32,530  
I'm doing that I hope you enjoy the

70  
00:03:29,900 --> 00:03:32,530  
skeptic zone

71  
00:03:42,459 --> 00:03:46,310  
you can have confidence in the

72  
00:03:44,479 --> 00:03:49,238  
information on the check out because

73  
00:03:46,310 --> 00:03:49,239  
it's been tested

74  
00:03:51,979 --> 00:03:55,878  
the results show that the checkout

75  
00:03:53,750 --> 00:03:58,068  
reduces stress while shopping increases

76  
00:03:55,878 --> 00:04:05,329  
knowledge of Consumer Affairs and boosts

77  
00:03:58,068 --> 00:04:10,488  
wellness seenus it's the only consumer

78  
00:04:05,330 --> 00:04:14,209  
affairs show with proven results tired

79  
00:04:10,489 --> 00:04:16,340  
stressed you'll feel better on switching

80  
00:04:14,209 --> 00:04:20,329  
to the chicken returns thursday at eight

81  
00:04:16,339 --> 00:04:23,478  
on abc1 well i'm here in the Palacios

82  
00:04:20,329 --> 00:04:25,189  
plush green room at the abc we're behind

83  
00:04:23,478 --> 00:04:27,560  
the scenes as where I'm with dr. Reggie

84  
00:04:25,189 --> 00:04:30,379  
hello dr. Richie hello dr. Richard have

85  
00:04:27,560 --> 00:04:32,418  
dr. no and we're with the chairs lucha

86

00:04:30,379 --> 00:04:35,930  
de la hello can I be dr. chairs just for

87  
00:04:32,418 --> 00:04:37,459  
this podcast you can now of course I'm

88  
00:04:35,930 --> 00:04:39,500  
sure listeners in Australia very easily

89  
00:04:37,459 --> 00:04:41,779  
with chairs and not chase the team the

90  
00:04:39,500 --> 00:04:44,538  
hamster wheel team the CNN and n team

91  
00:04:41,779 --> 00:04:46,309  
the planet USA team or all of the above

92  
00:04:44,538 --> 00:04:48,110  
I don't think the chaser would like to

93  
00:04:46,310 --> 00:04:50,300  
take credit for Plan America that's just

94  
00:04:48,110 --> 00:04:52,660  
made all the rest of the rest was Joseph

95  
00:04:50,300 --> 00:04:55,400  
I known American that of course all

96  
00:04:52,660 --> 00:04:57,320  
interesting shows platinum America was a

97  
00:04:55,399 --> 00:05:00,079  
bit of a departure for you i think it

98  
00:04:57,319 --> 00:05:03,560  
was sort of straight it was a departure

99  
00:05:00,079 --> 00:05:06,379  
from they may that you guys know the

100  
00:05:03,560 --> 00:05:09,228

mayor get naked a lot and dresses up

101

00:05:06,379 --> 00:05:11,899

like a chicken but uh but the actual may

102

00:05:09,228 --> 00:05:13,339

is a massive geek it's one of the things

103

00:05:11,899 --> 00:05:14,989

not that anyone really cares about a

104

00:05:13,339 --> 00:05:17,060

chaser but one of the unknown things

105

00:05:14,990 --> 00:05:19,490

about the chaser is that people confuse

106

00:05:17,060 --> 00:05:21,410

my personality with Julian's personality

107

00:05:19,490 --> 00:05:23,269

because of the way the character we play

108

00:05:21,410 --> 00:05:25,280

on screen they think that Julian's like

109

00:05:23,269 --> 00:05:28,909

this really straight-laced old guy and

110

00:05:25,279 --> 00:05:31,279

I'm on this freaky drunk so the jackass

111

00:05:28,910 --> 00:05:33,530

style person when the actual fact Julian

112

00:05:31,279 --> 00:05:36,049

is the wild child of the chaser and I am

113

00:05:33,529 --> 00:05:38,029

that uber geek I spend my entire life on

114

00:05:36,050 --> 00:05:40,220

the internet just ring science articles

115  
00:05:38,029 --> 00:05:41,899  
and stuff and they they're so actually

116  
00:05:40,220 --> 00:05:43,520  
an American politics which is why

117  
00:05:41,899 --> 00:05:45,409  
playing America was right down my out

118  
00:05:43,519 --> 00:05:47,060  
yeah like I'm into american politics I'm

119  
00:05:45,410 --> 00:05:49,280  
a nerd was an interesting shot and like

120  
00:05:47,060 --> 00:05:53,300  
you have it agree in science I do i do I

121  
00:05:49,279 --> 00:05:55,569  
are you you can read Wikipedia register

122  
00:05:53,300 --> 00:05:55,569  
morning

123  
00:05:55,730 --> 00:06:00,680  
you know I once had ambitions of

124  
00:05:58,860 --> 00:06:04,110  
actually being a science teacher and

125  
00:06:00,680 --> 00:06:06,180  
unfortunately TV TV dragged me away from

126  
00:06:04,110 --> 00:06:10,280  
a respectable career and look I become

127  
00:06:06,180 --> 00:06:12,569  
it's a real shame and just in passing i

128  
00:06:10,279 --> 00:06:14,009  
mentioned that i'm good friends were

129  
00:06:12,569 --> 00:06:16,529  
married to people at the independent

130  
00:06:14,009 --> 00:06:18,149  
investigations group in hollywood iig

131  
00:06:16,529 --> 00:06:19,769  
and the hamster they gave the hamster

132  
00:06:18,149 --> 00:06:21,779  
wheel a special award last year yes

133  
00:06:19,769 --> 00:06:23,939  
which was very flattering yes I if we

134  
00:06:21,779 --> 00:06:25,589  
can't get lucky thats the in fact it's

135  
00:06:23,939 --> 00:06:28,920  
not the luggage that's much better thank

136  
00:06:25,589 --> 00:06:30,269  
you so you've come to the notice of

137  
00:06:28,920 --> 00:06:32,610  
skeptical groups around the world for

138  
00:06:30,269 --> 00:06:34,169  
the shows that you've been involved with

139  
00:06:32,610 --> 00:06:36,360  
and we can talk about the check out now

140  
00:06:34,170 --> 00:06:39,810  
which is it at second series on the ABC

141  
00:06:36,360 --> 00:06:41,639  
and basically for the those listeners in

142  
00:06:39,810 --> 00:06:44,430  
Australia who may remember in the 1980s

143

00:06:41,639 --> 00:06:46,199  
there was a great show which became very

144  
00:06:44,430 --> 00:06:48,420  
popular called the investigators and

145  
00:06:46,199 --> 00:06:51,060  
you've no doubt seen tapes of and I saw

146  
00:06:48,420 --> 00:06:53,850  
it when it was it every single segment

147  
00:06:51,060 --> 00:06:57,149  
of our shows directory but I don't doubt

148  
00:06:53,850 --> 00:06:59,040  
which was consumer investigations is

149  
00:06:57,149 --> 00:07:01,589  
this product dodgy what can you do about

150  
00:06:59,040 --> 00:07:03,210  
it it almost turned into a sort of a

151  
00:07:01,589 --> 00:07:04,849  
today tonight would they'd be chasing

152  
00:07:03,209 --> 00:07:07,409  
dodging people and all the rest of it

153  
00:07:04,850 --> 00:07:10,320  
and this is really carrying on that

154  
00:07:07,410 --> 00:07:12,120  
tradition isn't it yeah well Jules

155  
00:07:10,319 --> 00:07:14,069  
Julian's idea the check out and he

156  
00:07:12,120 --> 00:07:16,019  
definitely had the investigators in mind

157  
00:07:14,069 --> 00:07:17,790

the way he pitched it to us was he said

158

00:07:16,019 --> 00:07:20,459

it's time to bring that kind of show

159

00:07:17,790 --> 00:07:22,200

back and update it and to to jazz it up

160

00:07:20,459 --> 00:07:24,089

a little bit we definitely never wanted

161

00:07:22,199 --> 00:07:25,620

to do the foot foot in door type stuff

162

00:07:24,089 --> 00:07:27,719

like is obviously what happened was

163

00:07:25,620 --> 00:07:29,220

investigated at first and then a career

164

00:07:27,720 --> 00:07:31,560

fair and today tonight that put their

165

00:07:29,220 --> 00:07:33,300

own spin on that kind of info commerce

166

00:07:31,560 --> 00:07:35,730

journalism and it's not morphed from

167

00:07:33,300 --> 00:07:37,800

there and we just decided that kind of

168

00:07:35,730 --> 00:07:39,390

stuff that's highest that's how its

169

00:07:37,800 --> 00:07:41,670

shelf life and we've had enough going

170

00:07:39,389 --> 00:07:44,159

out in the community and causing trouble

171

00:07:41,670 --> 00:07:45,990

ourselves and so we thought we'd leave

172  
00:07:44,160 --> 00:07:48,840  
that out of it but would just bring our

173  
00:07:45,990 --> 00:07:50,009  
own mindset because obviously all other

174  
00:07:48,839 --> 00:07:51,869  
shows we've done in the past like the

175  
00:07:50,009 --> 00:07:54,060  
war and everything and and especially

176  
00:07:51,870 --> 00:07:56,040  
hamster wheel has had it very much the

177  
00:07:54,060 --> 00:07:57,780  
same mindset a kind of I feel well a

178  
00:07:56,040 --> 00:07:59,250  
skeptical mindset and we've always

179  
00:07:57,779 --> 00:08:01,079  
thought seeing ourselves as kind of

180  
00:07:59,250 --> 00:08:03,089  
detectors I mean and whatever

181  
00:08:01,079 --> 00:08:05,459  
the field that we're involved in and we

182  
00:08:03,089 --> 00:08:06,779  
thought Consumer Affairs is it something

183  
00:08:05,459 --> 00:08:07,239  
that lends itself to that kind of

184  
00:08:06,779 --> 00:08:08,679  
attitude

185  
00:08:07,240 --> 00:08:10,000  
and there was nothing on TV that was

186  
00:08:08,680 --> 00:08:11,650  
doing that so I thought well there's a

187  
00:08:10,000 --> 00:08:13,120  
gap in the market let's not make the

188  
00:08:11,649 --> 00:08:15,189  
same show every single year for the rest

189  
00:08:13,120 --> 00:08:17,259  
of our lives let's try because you keep

190  
00:08:15,189 --> 00:08:18,819  
reinventing yourself we look over what

191  
00:08:17,259 --> 00:08:20,889  
you and your colleagues have done over

192  
00:08:18,819 --> 00:08:22,598  
the years it does change you do you do

193  
00:08:20,889 --> 00:08:23,889  
tocantins well we try to we try not to

194  
00:08:22,598 --> 00:08:25,959  
do the same show for more than three

195  
00:08:23,889 --> 00:08:27,550  
years in a row because we just it's very

196  
00:08:25,959 --> 00:08:31,180  
easy to get style and it just keeps you

197  
00:08:27,550 --> 00:08:34,209  
interested and also be it's I feel like

198  
00:08:31,180 --> 00:08:35,740  
they that what we've tried to do over

199  
00:08:34,208 --> 00:08:38,859  
the years I know if we achieve it but

200

00:08:35,740 --> 00:08:41,139  
what we try and do is we try and mix

201  
00:08:38,860 --> 00:08:43,509  
something that's smart with something

202  
00:08:41,139 --> 00:08:45,730  
that's really stupid because if you do

203  
00:08:43,509 --> 00:08:48,970  
if you do really smart detailed research

204  
00:08:45,730 --> 00:08:51,190  
driven shows which we tend to try to do

205  
00:08:48,970 --> 00:08:53,800  
it gets very boring and people just tune

206  
00:08:51,190 --> 00:08:56,649  
out but we figure we have we have either

207  
00:08:53,799 --> 00:08:59,049  
if you call it a gift or whether I know

208  
00:08:56,649 --> 00:09:01,089  
what you call it they about that we we

209  
00:08:59,049 --> 00:09:04,088  
have this thing where we just it's the

210  
00:09:01,089 --> 00:09:05,649  
curse of a DD where we just can't go for

211  
00:09:04,089 --> 00:09:07,540  
more than 30 seconds at making some

212  
00:09:05,649 --> 00:09:10,028  
cheap joke and we discovered that if you

213  
00:09:07,539 --> 00:09:12,429  
condense all those those cheap jokes

214  
00:09:10,028 --> 00:09:15,490

over the top of the research it's the

215

00:09:12,429 --> 00:09:17,259

old spoonful of sugar yeah a spoonful of

216

00:09:15,490 --> 00:09:20,320

sugar pills helps an S and go down and

217

00:09:17,259 --> 00:09:22,149

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

218

00:09:20,320 --> 00:09:24,640

what we actually look for is for the

219

00:09:22,149 --> 00:09:26,528

driest possible area and go can we spice

220

00:09:24,639 --> 00:09:29,588

that up right right and we thought

221

00:09:26,528 --> 00:09:31,509

consumer affairs is pretty dry so we're

222

00:09:29,589 --> 00:09:33,880

doing our best well of course a minute

223

00:09:31,509 --> 00:09:36,879

every time you look at a subject on the

224

00:09:33,879 --> 00:09:38,799

checkout it's done in a very humorous

225

00:09:36,879 --> 00:09:40,389

over-the-top way with people jumping out

226

00:09:38,799 --> 00:09:42,609

of things and well you never know what

227

00:09:40,389 --> 00:09:44,919

to expect yeah um which keeps it very

228

00:09:42,610 --> 00:09:45,700

lively well yeah we do get a lot of I

229  
00:09:44,919 --> 00:09:47,289  
must have made me do get a lot of

230  
00:09:45,700 --> 00:09:49,990  
complaints about that because something

231  
00:09:47,289 --> 00:09:52,599  
which which you might not realize is I

232  
00:09:49,990 --> 00:09:54,789  
look let's try something out what do you

233  
00:09:52,600 --> 00:09:58,750  
think the median age of the ABCs

234  
00:09:54,789 --> 00:10:03,610  
viewership is take a guess medium medium

235  
00:09:58,750 --> 00:10:04,990  
medium refuge yeah I'd say 59 let me

236  
00:10:03,610 --> 00:10:06,850  
give you some numbers let me do some

237  
00:10:04,990 --> 00:10:09,129  
numbers that I don't remember i remember

238  
00:10:06,850 --> 00:10:10,540  
every other channel exactly but every at

239  
00:10:09,129 --> 00:10:13,269  
the commercial channels are somewhere

240  
00:10:10,539 --> 00:10:17,740  
between 42 and 48 from memory their

241  
00:10:13,269 --> 00:10:20,409  
median age viewership Gabby sees is 63

242  
00:10:17,740 --> 00:10:25,750  
it's a very old viewership did pretty

243  
00:10:20,409 --> 00:10:27,279  
well there dr. right you win the view

244  
00:10:25,750 --> 00:10:30,220  
and the managing director ship of the

245  
00:10:27,279 --> 00:10:31,929  
absa uh anyway and so as a result of

246  
00:10:30,220 --> 00:10:33,910  
that all these i mean that's the median

247  
00:10:31,929 --> 00:10:35,379  
which means there's an awful other 70

248  
00:10:33,909 --> 00:10:37,360  
year olds neighs year olds watching ABC

249  
00:10:35,379 --> 00:10:39,279  
as well now I'm not sure they really

250  
00:10:37,360 --> 00:10:41,350  
enjoy our editing very much I think they

251  
00:10:39,279 --> 00:10:43,209  
might find a little bit Freddy and some

252  
00:10:41,350 --> 00:10:44,379  
of you are probably right yeah and so we

253  
00:10:43,210 --> 00:10:46,629  
are they would remember the

254  
00:10:44,379 --> 00:10:48,039  
investigators whole they certainly do

255  
00:10:46,629 --> 00:10:50,860  
and they were not frenetic without

256  
00:10:48,039 --> 00:10:52,419  
editing at that point in time so um we

257

00:10:50,860 --> 00:10:54,550  
do get a fair number of complaints about

258  
00:10:52,419 --> 00:10:56,349  
that they go who exactly you're making

259  
00:10:54,549 --> 00:10:57,490  
this show for I can barely follow it and

260  
00:10:56,350 --> 00:11:02,830  
we just figure we can though you got a

261  
00:10:57,490 --> 00:11:04,960  
video just just watch it again a good

262  
00:11:02,830 --> 00:11:07,660  
example of of Europe I guess we're young

263  
00:11:04,960 --> 00:11:09,910  
I evening for was particularly a

264  
00:11:07,659 --> 00:11:11,740  
particularly good show which I really

265  
00:11:09,909 --> 00:11:13,299  
enjoyed last year of the check out where

266  
00:11:11,740 --> 00:11:14,710  
you looked at the Australia tax for lack

267  
00:11:13,299 --> 00:11:17,679  
of a better word especially when it

268  
00:11:14,710 --> 00:11:20,860  
comes to things like iTunes hmm software

269  
00:11:17,679 --> 00:11:23,109  
companies working on a huge extra cost

270  
00:11:20,860 --> 00:11:25,629  
simply because you're in Australia and

271  
00:11:23,110 --> 00:11:27,100

want to download the exact same bits and

272

00:11:25,629 --> 00:11:29,110

bytes and there's more coming on that

273

00:11:27,100 --> 00:11:30,519

because we does that struck a chord with

274

00:11:29,110 --> 00:11:32,200

a lot of our viewers and they send us a

275

00:11:30,519 --> 00:11:33,819

lot of tip office about that and one of

276

00:11:32,200 --> 00:11:36,129

them i'll just give you a sneak preview

277

00:11:33,820 --> 00:11:39,370

here and couldn't believe this one was

278

00:11:36,129 --> 00:11:41,350

about a car rental company in Melbourne

279

00:11:39,370 --> 00:11:44,830

which shows in there was near the

280

00:11:41,350 --> 00:11:47,620

airport and if you hire the same car and

281

00:11:44,830 --> 00:11:50,710

you are you having a strag and driver's

282

00:11:47,620 --> 00:11:52,240

license versus if you hire exactly same

283

00:11:50,710 --> 00:11:53,980

car for exactly the same period of time

284

00:11:52,240 --> 00:11:56,320

from this Melbourne car rental place and

285

00:11:53,980 --> 00:11:59,500

you haven't have a Canadian passport you

286  
00:11:56,320 --> 00:12:01,570  
get charged less it just makes no sense

287  
00:11:59,500 --> 00:12:04,539  
whatsoever they charge you more because

288  
00:12:01,570 --> 00:12:05,980  
they can charge you yeah yeah so yeah so

289  
00:12:04,539 --> 00:12:07,240  
there'll be a bit more on that that's

290  
00:12:05,980 --> 00:12:08,560  
interesting you think that charging

291  
00:12:07,240 --> 00:12:12,580  
Walker's that we used to driving on the

292  
00:12:08,559 --> 00:12:14,049  
other side good good that's a bit

293  
00:12:12,580 --> 00:12:16,570  
amazing know another thing I like about

294  
00:12:14,049 --> 00:12:20,259  
that the the check out particularly is

295  
00:12:16,570 --> 00:12:22,570  
you really encourage people to contact

296  
00:12:20,259 --> 00:12:25,059  
you with tips and information people got

297  
00:12:22,570 --> 00:12:26,379  
the fu tube which is hilarious yeah and

298  
00:12:25,059 --> 00:12:27,819  
that Jules is very big on that one that

299  
00:12:26,379 --> 00:12:30,389  
was actually part of his initial vision

300  
00:12:27,820 --> 00:12:34,470  
that as much as possible he likes

301  
00:12:30,389 --> 00:12:37,799  
two have actual viewer view our YouTube

302  
00:12:34,470 --> 00:12:41,190  
clips leading into stories and oh yeah

303  
00:12:37,799 --> 00:12:43,709  
we do I can promise you that I'm not

304  
00:12:41,190 --> 00:12:46,260  
just we I personally read every single

305  
00:12:43,710 --> 00:12:48,360  
email that we get and I would say at

306  
00:12:46,259 --> 00:12:51,629  
least half our content comes from

307  
00:12:48,360 --> 00:12:53,129  
viewers hmm so the it's very very useful

308  
00:12:51,629 --> 00:12:54,990  
and I can actually see those part of the

309  
00:12:53,129 --> 00:12:57,899  
mission because you know in these days

310  
00:12:54,990 --> 00:12:59,850  
of ABC efficiency when people go why is

311  
00:12:57,899 --> 00:13:01,679  
the ABC there I kind of like the idea

312  
00:12:59,850 --> 00:13:03,420  
even though I'm not playing together

313  
00:13:01,679 --> 00:13:05,549  
with any sense subcommittee soon and

314

00:13:03,419 --> 00:13:06,779  
testify I do like the idea of going well

315  
00:13:05,549 --> 00:13:09,509  
you know if this is a commercial show

316  
00:13:06,779 --> 00:13:11,579  
we'd be ignoring a zane house but we

317  
00:13:09,509 --> 00:13:14,159  
actually we actually do read those

318  
00:13:11,580 --> 00:13:16,320  
emails and we respond to as many as we

319  
00:13:14,159 --> 00:13:17,699  
can there's way too many respond to but

320  
00:13:16,320 --> 00:13:19,860  
especially people ask questions they

321  
00:13:17,700 --> 00:13:24,060  
just ask advice but which is really kind

322  
00:13:19,860 --> 00:13:26,399  
of sad they trust us even serious advice

323  
00:13:24,059 --> 00:13:27,779  
about their legal situation but just a

324  
00:13:26,399 --> 00:13:30,840  
bizarre motor several all degrees anyway

325  
00:13:27,779 --> 00:13:32,579  
so the so we do try and respond and

326  
00:13:30,840 --> 00:13:34,350  
actually give them advice and then we

327  
00:13:32,580 --> 00:13:36,990  
have to do that but I just seen as part

328  
00:13:34,350 --> 00:13:38,879

of our mission statement yeah there's a

329

00:13:36,990 --> 00:13:41,700

legal minefield what you do is it all

330

00:13:38,879 --> 00:13:43,649

time yeah oh is it ever you would not

331

00:13:41,700 --> 00:13:45,750

believe it because I think number one

332

00:13:43,649 --> 00:13:47,610

that the companies that we're talking

333

00:13:45,750 --> 00:13:50,039

about here have deep pockets and like

334

00:13:47,610 --> 00:13:51,480

the surf right very frequently so it

335

00:13:50,039 --> 00:13:53,429

said that so there's a real issue there

336

00:13:51,480 --> 00:13:57,330

as we've discovered over over again

337

00:13:53,429 --> 00:13:59,579

already but on top of that it's this is

338

00:13:57,330 --> 00:14:02,220

a kind of area where it's just so

339

00:13:59,580 --> 00:14:04,350

complicated that it's very difficult to

340

00:14:02,220 --> 00:14:06,029

there are there are a lot of shades of

341

00:14:04,350 --> 00:14:07,500

gray in this area you know and that's

342

00:14:06,029 --> 00:14:09,029

the reason why people don't understand

343  
00:14:07,500 --> 00:14:10,850  
it because it's too complicated than the

344  
00:14:09,029 --> 00:14:13,379  
bother and I think often companies

345  
00:14:10,850 --> 00:14:15,360  
intentionally make it complicated so you

346  
00:14:13,379 --> 00:14:17,189  
can't get like banks meant why banks and

347  
00:14:15,360 --> 00:14:19,440  
all they're charging stuff no one can

348  
00:14:17,190 --> 00:14:21,210  
get to the bomber that notice it's too

349  
00:14:19,440 --> 00:14:24,360  
much information yeah yeah it's in it's

350  
00:14:21,210 --> 00:14:26,160  
intentionally made made inscrutable yeah

351  
00:14:24,360 --> 00:14:29,039  
we do place which is give me an episode

352  
00:14:26,159 --> 00:14:30,929  
3 I think about managed funds oh yeah

353  
00:14:29,039 --> 00:14:32,939  
now the managed funds industry it just

354  
00:14:30,929 --> 00:14:34,829  
it took us weeks to understand what was

355  
00:14:32,940 --> 00:14:36,150  
going on there I don't even think the

356  
00:14:34,830 --> 00:14:37,350  
people involved in this screen I was

357  
00:14:36,149 --> 00:14:39,090  
going on there is

358  
00:14:37,350 --> 00:14:41,509  
so hot so yeah there's a lot of research

359  
00:14:39,090 --> 00:14:46,649  
well the episode they just went to air

360  
00:14:41,509 --> 00:14:48,929  
had a story on the credit cards yes yes

361  
00:14:46,649 --> 00:14:50,909  
yes paying off your minimum balance all

362  
00:14:48,929 --> 00:14:52,109  
the right absolutely yeah yeah and we

363  
00:14:50,909 --> 00:14:53,879  
try to have as much of that kind of

364  
00:14:52,110 --> 00:14:55,139  
thing as possible because once again no

365  
00:14:53,879 --> 00:14:56,850  
one else is going to do that and the

366  
00:14:55,139 --> 00:14:59,490  
reason why that don't do that it's hard

367  
00:14:56,850 --> 00:15:01,230  
it's really hard and so we figured you

368  
00:14:59,490 --> 00:15:04,169  
know like yeah we've all got our law

369  
00:15:01,230 --> 00:15:05,670  
degrees we where people who like going

370  
00:15:04,169 --> 00:15:07,799  
through scientific papers and stuff

371

00:15:05,669 --> 00:15:09,139  
we're just when nerds so we're not going

372  
00:15:07,799 --> 00:15:14,309  
to do it who's going to do it Kashi

373  
00:15:09,139 --> 00:15:18,389  
maybe I'm yet to say that never know we

374  
00:15:14,309 --> 00:15:20,159  
live in hope it's yeah it's funny how we

375  
00:15:18,389 --> 00:15:22,529  
end up doing like I'm not in very

376  
00:15:20,159 --> 00:15:24,929  
financial person but just yeah like I

377  
00:15:22,529 --> 00:15:26,009  
said if by the way I should say you your

378  
00:15:24,929 --> 00:15:27,989  
listeners might be wondering why you're

379  
00:15:26,009 --> 00:15:30,029  
even talking to me like what why I'm not

380  
00:15:27,990 --> 00:15:32,310  
Julian or crackling I actually work on

381  
00:15:30,029 --> 00:15:34,379  
the show it's not a I'm the guy in

382  
00:15:32,309 --> 00:15:36,569  
charge of the scripts so yeah I'm the

383  
00:15:34,379 --> 00:15:38,279  
script editor so so we all right stuff

384  
00:15:36,570 --> 00:15:40,379  
together and then I polish it over and

385  
00:15:38,279 --> 00:15:41,639

basically I'm the guy behind the scenes

386

00:15:40,379 --> 00:15:42,659

while everyone else is filming stuff

387

00:15:41,639 --> 00:15:44,610

because when you're filming stuff on TV

388

00:15:42,659 --> 00:15:46,379

you just don't have time to dot the i's

389

00:15:44,610 --> 00:15:48,899

and cross the t's and so the advantage

390

00:15:46,379 --> 00:15:51,059

of the chaser since there's 500 of us no

391

00:15:48,899 --> 00:15:52,470

one of us can be taken care of that

392

00:15:51,059 --> 00:15:54,689

while everyone else is putting their

393

00:15:52,470 --> 00:15:55,800

pretty face on TV so I have to be across

394

00:15:54,690 --> 00:15:57,840

all this research that's a result

395

00:15:55,799 --> 00:16:00,719

without then and it's um it does weigh

396

00:15:57,840 --> 00:16:02,910

you down I myself but is it a hundred at

397

00:16:00,720 --> 00:16:04,800

least refreshing change not to be the

398

00:16:02,909 --> 00:16:07,980

character on the team oh yeah yeah look

399

00:16:04,799 --> 00:16:10,859

I'll be honest the only reason why why I

400  
00:16:07,980 --> 00:16:12,240  
do TV at all I don't like appear on

401  
00:16:10,860 --> 00:16:16,110  
camera at all is because you get paid

402  
00:16:12,240 --> 00:16:19,019  
twice as much why does get screwed over

403  
00:16:16,110 --> 00:16:21,840  
in SJ entire industry said danger money

404  
00:16:19,019 --> 00:16:23,850  
from no pants I think they are you

405  
00:16:21,840 --> 00:16:28,200  
audience to get deja money for watching

406  
00:16:23,850 --> 00:16:30,300  
me with no tax lien basically if you're

407  
00:16:28,200 --> 00:16:32,970  
if you're the world's best writer and

408  
00:16:30,299 --> 00:16:35,099  
you walk into a board meeting with a TV

409  
00:16:32,970 --> 00:16:37,200  
management type and you go I'd like to

410  
00:16:35,100 --> 00:16:39,720  
do a TV show forgot who are you but if

411  
00:16:37,200 --> 00:16:42,690  
you're if you're I don't know Shelly

412  
00:16:39,720 --> 00:16:44,610  
craft and you walk into a TV management

413  
00:16:42,690 --> 00:16:46,800  
meeting and you go I'd like this TV show

414  
00:16:44,610 --> 00:16:49,220  
oh you're Shelly craft we recognize you

415  
00:16:46,799 --> 00:16:50,599  
so you guys it's just the way TV works

416  
00:16:49,220 --> 00:16:52,040  
so you'll need to get your face in front

417  
00:16:50,600 --> 00:16:53,899  
of the camera every now and then just so

418  
00:16:52,039 --> 00:16:56,509  
you have a bit of cachet and you get

419  
00:16:53,899 --> 00:16:59,059  
paid more but the i hate it i don't like

420  
00:16:56,509 --> 00:17:02,149  
filming stuff I much prefer writing and

421  
00:16:59,059 --> 00:17:05,000  
just doing there I'm a geek yeah I like

422  
00:17:02,149 --> 00:17:06,828  
doing the geek stuff but mother you must

423  
00:17:05,000 --> 00:17:08,088  
be nice to at least have a change and

424  
00:17:06,828 --> 00:17:10,038  
it's great it's great that every single

425  
00:17:08,088 --> 00:17:12,948  
topic you'll spend a week diving in

426  
00:17:10,038 --> 00:17:15,470  
there and just yeah you'll be neck-deep

427  
00:17:12,949 --> 00:17:17,058  
in chlorophyll studies and stuff and

428

00:17:15,470 --> 00:17:18,558  
then the next next week you'll be doing

429  
00:17:17,058 --> 00:17:21,168  
some completely different which is

430  
00:17:18,558 --> 00:17:22,609  
that's fun right they're just getting

431  
00:17:21,169 --> 00:17:27,319  
back to what we were discussing with the

432  
00:17:22,609 --> 00:17:29,538  
legal minefield and you do get probably

433  
00:17:27,318 --> 00:17:32,000  
nasty letters from legal representative

434  
00:17:29,538 --> 00:17:33,529  
as you are saying yes and we I don't

435  
00:17:32,000 --> 00:17:34,669  
know how much you can talk about I don't

436  
00:17:33,529 --> 00:17:36,678  
know what's in front of the courts of

437  
00:17:34,669 --> 00:17:41,840  
the moment with the Swiss I I can talk

438  
00:17:36,679 --> 00:17:45,110  
much more than I should um this is why

439  
00:17:41,839 --> 00:17:46,788  
those things where you just listeners

440  
00:17:45,109 --> 00:17:49,209  
benefits it's a Swiss vitamin come yes

441  
00:17:46,788 --> 00:17:51,798  
yes yes and we were making interesting

442  
00:17:49,210 --> 00:17:54,259

claims yeah well look look the legal

443

00:17:51,798 --> 00:17:56,450

situation well it's about is essentially

444

00:17:54,259 --> 00:17:58,250

you can look there's not can drive if I

445

00:17:56,450 --> 00:18:00,558

was going to generalize you can have a

446

00:17:58,250 --> 00:18:03,200

go at any company you like yeah but when

447

00:18:00,558 --> 00:18:04,639

you when you make a claim of an

448

00:18:03,200 --> 00:18:06,529

individual that's when it gets in the

449

00:18:04,640 --> 00:18:08,570

defamation companies can't be defined

450

00:18:06,529 --> 00:18:11,808

individuals can be derived generally

451

00:18:08,569 --> 00:18:14,178

speaking yeah now the Swiss violins

452

00:18:11,808 --> 00:18:15,470

story we we were basically it wasn't

453

00:18:14,179 --> 00:18:18,769

really in about Swiss there's about the

454

00:18:15,470 --> 00:18:20,960

TGA which is the regulators of of these

455

00:18:18,769 --> 00:18:22,548

vitamin pills etc and will basically

456

00:18:20,960 --> 00:18:24,319

sanity Jo rubbish yes and their

457  
00:18:22,548 --> 00:18:26,389  
regulation process is a joke and people

458  
00:18:24,319 --> 00:18:27,918  
just make whatever stupid claims they

459  
00:18:26,390 --> 00:18:30,500  
like you didn't basically see you

460  
00:18:27,919 --> 00:18:32,450  
actually said it as a joke yes very much

461  
00:18:30,500 --> 00:18:33,798  
so these villagers make up what other

462  
00:18:32,450 --> 00:18:36,140  
claims they like with very little

463  
00:18:33,798 --> 00:18:38,089  
evidence and the TGA basically rubber

464  
00:18:36,140 --> 00:18:40,700  
stamps until someone complains and then

465  
00:18:38,089 --> 00:18:43,099  
when song complains is it's very onerous

466  
00:18:40,700 --> 00:18:45,110  
process which clicks into its a gear

467  
00:18:43,099 --> 00:18:46,939  
after two years the TGA will say well

468  
00:18:45,109 --> 00:18:48,109  
you can't say that and then they'll just

469  
00:18:46,940 --> 00:18:49,820  
change a name and then say

470  
00:18:48,109 --> 00:18:51,289  
yeah like that's basically what we were

471  
00:18:49,819 --> 00:18:54,409  
alleging now I can repeat all that

472  
00:18:51,289 --> 00:18:57,079  
because none less defamatory but the as

473  
00:18:54,410 --> 00:18:59,210  
part of that report we noted that we

474  
00:18:57,079 --> 00:19:01,609  
focused on Swiss in particular because

475  
00:18:59,210 --> 00:19:03,950  
they just other face of this kind of

476  
00:19:01,609 --> 00:19:04,939  
product when I say when I say it's can't

477  
00:19:03,950 --> 00:19:07,160  
programming the whole vitamin industry

478  
00:19:04,940 --> 00:19:09,200  
right I they advertise all over the

479  
00:19:07,160 --> 00:19:12,410  
place so we focus on them and as part of

480  
00:19:09,200 --> 00:19:15,048  
that process we noted that the that some

481  
00:19:12,410 --> 00:19:18,048  
of the items that were tested by Swiss

482  
00:19:15,048 --> 00:19:21,440  
the evidence they presented was tested

483  
00:19:18,048 --> 00:19:23,119  
by the father of the CEO now here's an

484  
00:19:21,440 --> 00:19:24,558  
individual right and he said oh hang on

485

00:19:23,119 --> 00:19:25,879  
you're linking me dog you've been

486  
00:19:24,558 --> 00:19:28,039  
talking about now that's defamation

487  
00:19:25,880 --> 00:19:29,270  
you're saying I'm dodgy so I'm taking a

488  
00:19:28,039 --> 00:19:32,210  
course so that's what the court case is

489  
00:19:29,269 --> 00:19:34,069  
all about right and we obviously are

490  
00:19:32,210 --> 00:19:36,350  
going to disagree with his his

491  
00:19:34,069 --> 00:19:37,519  
suggestions are allegations and it's

492  
00:19:36,349 --> 00:19:39,048  
going to take years and years and years

493  
00:19:37,519 --> 00:19:40,519  
because that's how defamation works I

494  
00:19:39,048 --> 00:19:42,950  
actually think that hold information

495  
00:19:40,519 --> 00:19:43,910  
situation I'm really saying is but I

496  
00:19:42,950 --> 00:19:45,769  
really think the health information

497  
00:19:43,910 --> 00:19:49,160  
situation in Australia's kind of joke

498  
00:19:45,769 --> 00:19:51,440  
because poor people don't sue other

499  
00:19:49,160 --> 00:19:54,048

people for defamation rich people stupid

500

00:19:51,440 --> 00:19:56,480

people we have power can make themselves

501

00:19:54,048 --> 00:19:59,000

even more powerful by using defamation

502

00:19:56,480 --> 00:20:00,980

law against other people and I if I had

503

00:19:59,000 --> 00:20:03,048

my way there would be or at least the

504

00:20:00,980 --> 00:20:05,720

defamation law would be reformed greatly

505

00:20:03,048 --> 00:20:07,490

but I don't get my way and so we're just

506

00:20:05,720 --> 00:20:09,110

going to do our best and what the

507

00:20:07,490 --> 00:20:11,539

situation the UK has been changing

508

00:20:09,109 --> 00:20:13,579

because of the libel laws there which

509

00:20:11,539 --> 00:20:15,829

you may know something about a good

510

00:20:13,579 --> 00:20:17,659

friend of ours dr. Simon Singh was taken

511

00:20:15,829 --> 00:20:20,089

to task by the chiropractor's yeah hold

512

00:20:17,660 --> 00:20:21,500

them out yeah and there's big court

513

00:20:20,089 --> 00:20:23,869

battles and shoot but they are changing

514  
00:20:21,500 --> 00:20:25,730  
the law which is a good thing spy who

515  
00:20:23,869 --> 00:20:27,979  
knows maybe in this country hopefully

516  
00:20:25,730 --> 00:20:29,509  
hopefully I well the are we we have a we

517  
00:20:27,980 --> 00:20:31,279  
have a government that is supposedly

518  
00:20:29,509 --> 00:20:33,529  
about free enterprise I will argue that

519  
00:20:31,279 --> 00:20:36,289  
free enterprise will prosper if there is

520  
00:20:33,529 --> 00:20:38,418  
less defamation law yeah I would say

521  
00:20:36,289 --> 00:20:42,349  
whether the lawyers won't prosper so

522  
00:20:38,419 --> 00:20:43,910  
much ok anyway chcesz it's it's uh again

523  
00:20:42,349 --> 00:20:45,769  
it's wonderful that the show is on the I

524  
00:20:43,910 --> 00:20:47,450  
enjoyed it immensely can't wait to see

525  
00:20:45,769 --> 00:20:49,400  
that the next episode I learn it

526  
00:20:47,450 --> 00:20:52,009  
something on every up so especially when

527  
00:20:49,400 --> 00:20:56,450  
we did the one about the iTunes gala yea

528  
00:20:52,009 --> 00:20:57,950  
which was eye-opening for me the fact

529  
00:20:56,450 --> 00:20:59,779  
that you don't need to keep the original

530  
00:20:57,950 --> 00:21:01,759  
box when you buy something I ya know

531  
00:20:59,779 --> 00:21:03,799  
that I've had shelves full of

532  
00:21:01,759 --> 00:21:05,869  
boxes are leaving Austin even receipts

533  
00:21:03,799 --> 00:21:07,940  
you don't say that usually use need some

534  
00:21:05,869 --> 00:21:09,139  
kind of proof and the credit card the

535  
00:21:07,940 --> 00:21:11,600  
credit card account is a proof of

536  
00:21:09,140 --> 00:21:13,009  
purchase yeah yes I know it's it's it's

537  
00:21:11,599 --> 00:21:14,689  
a my I learn a lot on this show myself

538  
00:21:13,009 --> 00:21:16,759  
actually when where when the air when

539  
00:21:14,690 --> 00:21:20,390  
we're studying stuff it's agonizing will

540  
00:21:16,759 --> 00:21:22,879  
produce a book ah look look I mean it

541  
00:21:20,390 --> 00:21:25,850  
could but to be honest we've always

542

00:21:22,880 --> 00:21:27,680  
incredibly slack at doing anything else

543  
00:21:25,849 --> 00:21:29,959  
when we're doing TV I please have a

544  
00:21:27,680 --> 00:21:31,460  
newspaper which anyway we had the worst

545  
00:21:29,960 --> 00:21:32,809  
business model in the world the chase

546  
00:21:31,460 --> 00:21:35,690  
was originally newspaper and we would

547  
00:21:32,809 --> 00:21:37,940  
spent ages slaving over every Edition

548  
00:21:35,690 --> 00:21:39,350  
trying to build literally subscriber by

549  
00:21:37,940 --> 00:21:41,029  
subscriber we'd start off where the o

550  
00:21:39,349 --> 00:21:43,490  
two thousand subscribers only takes six

551  
00:21:41,029 --> 00:21:45,019  
months to build painstaking like the two

552  
00:21:43,490 --> 00:21:46,759  
thousand two hundred subscribers and

553  
00:21:45,019 --> 00:21:48,349  
then we'd be on TV and you think okay

554  
00:21:46,759 --> 00:21:50,059  
this is the time where you can

555  
00:21:48,349 --> 00:21:52,129  
capitalize and get lots and lots of

556  
00:21:50,059 --> 00:21:58,759

extra subscribers and we just stopped

557

00:21:52,130 --> 00:22:01,460

doing it yeah and then at the end of the

558

00:21:58,759 --> 00:22:04,039

TV we actually have less subscribe go it

559

00:22:01,460 --> 00:22:06,860

does anyone else they just they big role

560

00:22:04,039 --> 00:22:08,299

role in our episode of episode like when

561

00:22:06,859 --> 00:22:11,000

they're doing TV addition after addition

562

00:22:08,299 --> 00:22:12,049

and trying to trying to write cache in

563

00:22:11,000 --> 00:22:14,089

with their subscribers the we're

564

00:22:12,049 --> 00:22:16,430

hopeless so yeah when we do TV we just

565

00:22:14,089 --> 00:22:18,139

it just takes over we will you spend 14

566

00:22:16,430 --> 00:22:20,450

15 hours a day we have time to do

567

00:22:18,140 --> 00:22:22,940

anything else that's TV is yeah anyway

568

00:22:20,450 --> 00:22:25,009

the checkout is of course ABC TV 8 p.m.

569

00:22:22,940 --> 00:22:27,529

on thursday thank you very much and it's

570

00:22:25,009 --> 00:22:29,000

whether the runs about 10 episodes or

571  
00:22:27,529 --> 00:22:30,859  
something like that well it did last

572  
00:22:29,000 --> 00:22:32,990  
year this year we're going a little bit

573  
00:22:30,859 --> 00:22:34,309  
psycho we've got 20 episodes there's for

574  
00:22:32,990 --> 00:22:37,430  
best offers the middle there but there's

575  
00:22:34,309 --> 00:22:40,339  
20 in our oh yes yes you're gonna need a

576  
00:22:37,430 --> 00:22:42,560  
bit of you're gonna probably need some

577  
00:22:40,339 --> 00:22:44,059  
alternative medicine but here well i'm

578  
00:22:42,559 --> 00:22:45,500  
not just the end of that I certainly

579  
00:22:44,059 --> 00:22:46,909  
finish that we start working on next

580  
00:22:45,500 --> 00:22:49,400  
chaser show which is at the end of this

581  
00:22:46,910 --> 00:22:51,410  
year so it's give me a new format so I

582  
00:22:49,400 --> 00:22:53,240  
don't yeah well speaking of magazines

583  
00:22:51,410 --> 00:22:55,490  
let me leave you with some of this for

584  
00:22:53,240 --> 00:22:58,700  
the team no yeah thank you very much the

585  
00:22:55,490 --> 00:23:01,549  
skipper I'm sure your team might even

586  
00:22:58,700 --> 00:23:03,830  
get an idea or two out of I tell you we

587  
00:23:01,549 --> 00:23:06,769  
probably will I tell you alerted ish is

588  
00:23:03,829 --> 00:23:08,720  
Kirsten it was an absolute machine she

589  
00:23:06,769 --> 00:23:10,910  
does devours all this kind of stuff she

590  
00:23:08,720 --> 00:23:12,680  
is like she's the reason that we get her

591  
00:23:10,910 --> 00:23:14,779  
on the attack dog pieces like yeah like

592  
00:23:12,680 --> 00:23:15,029  
like this train I'd like that like we

593  
00:23:14,779 --> 00:23:16,889  
got

594  
00:23:15,029 --> 00:23:19,440  
go rapport organic food coming up soon

595  
00:23:16,890 --> 00:23:21,000  
watch out for that one again she and the

596  
00:23:19,440 --> 00:23:24,840  
superfoods last year as well actually

597  
00:23:21,000 --> 00:23:26,339  
went through 40 scientific studies to to

598  
00:23:24,839 --> 00:23:27,750  
produce that report she is just an

599

00:23:26,339 --> 00:23:30,119  
exchange he's going to love it so let

600  
00:23:27,750 --> 00:23:32,789  
her know that she can certainly call on

601  
00:23:30,119 --> 00:23:35,099  
us for any advice or help or tips from

602  
00:23:32,789 --> 00:23:37,950  
our 30 plus years of looking into this

603  
00:23:35,099 --> 00:23:40,709  
interesting area much appreciated Chaz

604  
00:23:37,950 --> 00:23:42,930  
uh the the check out a great show please

605  
00:23:40,710 --> 00:23:46,730  
watch it everybody and thank you very

606  
00:23:42,930 --> 00:23:46,730  
much I'm not skeptical about that point

607  
00:23:51,539 --> 00:23:57,329  
number time when gluten was sent to

608  
00:23:54,250 --> 00:23:57,329  
eighth grade

609  
00:23:58,450 --> 00:24:03,410  
for now we're under attack some estimate

610  
00:24:01,670 --> 00:24:06,230  
a million Australians are currently on

611  
00:24:03,410 --> 00:24:07,910  
some form of gluten-free diet gluten is

612  
00:24:06,230 --> 00:24:15,319  
a protein found in foods like bread

613  
00:24:07,910 --> 00:24:17,660

pastures cereals and experts have been

614

00:24:15,319 --> 00:24:20,569

warning about the dangers of gluten for

615

00:24:17,660 --> 00:24:23,180

years experts like Gwyneth Paltrow

616

00:24:20,569 --> 00:24:25,669

Miranda Kerr miley cyrus and novak

617

00:24:23,180 --> 00:24:27,799

djokovic is dog all advocate avoiding

618

00:24:25,670 --> 00:24:29,539

gluten to lose weight get fit and even

619

00:24:27,799 --> 00:24:32,119

clear up your skin so why is it the

620

00:24:29,539 --> 00:24:34,129

gluten is suddenly so bad for us let's

621

00:24:32,119 --> 00:24:36,349

check to an expert to find out can you

622

00:24:34,130 --> 00:24:41,870

explain to us why so many Australians

623

00:24:36,349 --> 00:24:49,099

are currently going gluten free yeah

624

00:24:41,869 --> 00:24:50,779

he's gonna work so can you tell me why

625

00:24:49,099 --> 00:24:52,459

more people are going gluten-free the

626

00:24:50,779 --> 00:24:54,529

calmness reason is a condition called

627

00:24:52,460 --> 00:24:56,930

celiac disease this is an autoimmune

628  
00:24:54,529 --> 00:24:59,269  
condition whereby affected individuals

629  
00:24:56,930 --> 00:25:01,789  
consume gluten acquire a lot of damage

630  
00:24:59,269 --> 00:25:03,799  
to the small intestine and sometimes

631  
00:25:01,789 --> 00:25:05,690  
other organs as a consequence of this

632  
00:25:03,799 --> 00:25:07,309  
right and so how many people are

633  
00:25:05,690 --> 00:25:09,410  
affected by that about one in a hundred

634  
00:25:07,309 --> 00:25:11,750  
Australians there is another group as

635  
00:25:09,410 --> 00:25:13,430  
perhaps a smaller group of people who do

636  
00:25:11,750 --> 00:25:15,829  
not feel so good when they're consumed

637  
00:25:13,430 --> 00:25:18,320  
gluten there is no scientific basis for

638  
00:25:15,829 --> 00:25:20,119  
this and no scientific explanation and

639  
00:25:18,319 --> 00:25:22,490  
in particular there are no diagnostic

640  
00:25:20,119 --> 00:25:26,739  
tests or blood tests for this condition

641  
00:25:22,490 --> 00:25:30,079  
wait stop don't move cupcake so soon oh

642  
00:25:26,740 --> 00:25:32,289  
I'm a free on yeah you keep walking free

643  
00:25:30,079 --> 00:25:32,289  
and

644  
00:25:32,730 --> 00:25:37,079  
sorry about that so if you're not a

645  
00:25:34,798 --> 00:25:38,789  
celiac is there any benefit to go in

646  
00:25:37,079 --> 00:25:41,279  
building free there is no evidence our

647  
00:25:38,789 --> 00:25:43,048  
gluten-free diet has beneficial in fact

648  
00:25:41,279 --> 00:25:45,569  
it is difficult to achieve weight loss

649  
00:25:43,048 --> 00:25:48,058  
often on a gluten-free diet as often

650  
00:25:45,569 --> 00:25:50,220  
gluten-free products are supplemented

651  
00:25:48,058 --> 00:25:52,918  
with fat and sugar to make them more

652  
00:25:50,220 --> 00:25:54,900  
palatable and tasty I mean compare these

653  
00:25:52,919 --> 00:25:57,000  
two san remo products are recently

654  
00:25:54,900 --> 00:25:59,280  
purchased from kohls you serve them on

655  
00:25:57,000 --> 00:26:02,519  
the desk yes and the gluten-free

656

00:25:59,279 --> 00:26:05,129  
products has twenty-five percent more

657  
00:26:02,519 --> 00:26:07,349  
fat and three times the sugar content so

658  
00:26:05,130 --> 00:26:08,760  
possible that that's good for you no not

659  
00:26:07,349 --> 00:26:10,678  
unless you have selected these are

660  
00:26:08,759 --> 00:26:12,750  
gluten intolerant see that's interesting

661  
00:26:10,679 --> 00:26:14,250  
because according to this report of a

662  
00:26:12,750 --> 00:26:15,720  
cold survey which by the way calls

663  
00:26:14,250 --> 00:26:17,970  
hasn't published and refused to give us

664  
00:26:15,720 --> 00:26:20,460  
a copy of around fifty percent of people

665  
00:26:17,970 --> 00:26:22,259  
who buy gluten-free do so cuz they

666  
00:26:20,460 --> 00:26:24,690  
reckon it's healthier remember the halo

667  
00:26:22,259 --> 00:26:26,490  
effect even foods healthy in one area

668  
00:26:24,690 --> 00:26:29,220  
you might wrongly assume that a healthy

669  
00:26:26,490 --> 00:26:33,839  
in other ways to my mattress is a

670  
00:26:29,220 --> 00:26:35,429

cupcake I'm a free on maybe when we see

671

00:26:33,839 --> 00:26:37,379

gluten free on a packet we assume that

672

00:26:35,429 --> 00:26:39,090

it's healthy in other ways and if we

673

00:26:37,380 --> 00:26:41,070

think that then maybe we're willing to

674

00:26:39,089 --> 00:26:43,589

pay a little bit more for it but how

675

00:26:41,069 --> 00:26:45,899

much more remember the same Reno can a

676

00:26:43,589 --> 00:26:48,089

the gluten-free version is two hundred

677

00:26:45,900 --> 00:26:50,910

and fifty percent more expensive than

678

00:26:48,089 --> 00:26:52,889

the normal version oh you just have

679

00:26:50,910 --> 00:26:55,019

those websites on hand yes and according

680

00:26:52,890 --> 00:26:56,850

to select Australia costs a thousand

681

00:26:55,019 --> 00:26:59,609

extra dollars each year to go

682

00:26:56,849 --> 00:27:02,129

gluten-free wow thanks about being a dog

683

00:26:59,609 --> 00:27:04,349

and here's another thing some products

684

00:27:02,130 --> 00:27:05,970

like this gluten-free bacon never had

685  
00:27:04,349 --> 00:27:07,980  
gluten in them to begin with or if they

686  
00:27:05,970 --> 00:27:10,500  
did it was in completely negligible

687  
00:27:07,980 --> 00:27:11,819  
quantities still doesn't hurt to give

688  
00:27:10,500 --> 00:27:13,559  
you product to point of difference oh

689  
00:27:11,819 --> 00:27:15,629  
look honey

690  
00:27:13,559 --> 00:27:18,629  
bacon contains no angry swarms of bees

691  
00:27:15,630 --> 00:27:21,660  
what a relief make sure you pair that

692  
00:27:18,630 --> 00:27:25,560  
bacon with this gluten-free salt gluten

693  
00:27:21,660 --> 00:27:27,120  
free because you know its salt and if

694  
00:27:25,559 --> 00:27:28,950  
you really want to waste some money why

695  
00:27:27,119 --> 00:27:32,459  
not treat yourself to some gluten free

696  
00:27:28,950 --> 00:27:34,170  
shampoo yours for just 2695 even though

697  
00:27:32,460 --> 00:27:36,480  
the gluten shampoo wouldn't be

698  
00:27:34,170 --> 00:27:39,870  
problematic for celiacs unless they ate

699  
00:27:36,480 --> 00:27:42,029  
it hey wait for me so unless you're a

700  
00:27:39,869 --> 00:27:43,859  
celiac or gluten intolerant and you're

701  
00:27:42,029 --> 00:27:46,319  
not there's no reason why you can't sit

702  
00:27:43,859 --> 00:27:47,729  
down to a delightful gluten meal you can

703  
00:27:46,319 --> 00:27:51,990  
do suspect that you're gluten intolerant

704  
00:27:47,730 --> 00:28:06,750  
and it's best to speak to a doctor no a

705  
00:27:51,990 --> 00:28:07,710  
real doctor hey this is jay novela from

706  
00:28:06,750 --> 00:28:09,750  
the skeptics guide to the universe

707  
00:28:07,710 --> 00:28:11,430  
podcast did you know that there are

708  
00:28:09,750 --> 00:28:13,440  
thousands of skeptical reports

709  
00:28:11,430 --> 00:28:15,029  
interviews and investigations going back

710  
00:28:13,440 --> 00:28:19,920  
to nineteen eighty one free to download

711  
00:28:15,029 --> 00:28:21,839  
just visit w WC epic coa you click the

712  
00:28:19,920 --> 00:28:23,820  
publications link and enjoy almost every

713

00:28:21,839 --> 00:28:25,769  
back issue of the skeptic the journal

714  
00:28:23,819 --> 00:28:27,299  
from australian skeptics you can also

715  
00:28:25,769 --> 00:28:29,609  
subscribe online and get the latest

716  
00:28:27,299 --> 00:28:31,619  
digital or hard copy of this the world's

717  
00:28:29,609 --> 00:28:35,279  
second oldest skeptical magazine that's

718  
00:28:31,619 --> 00:28:38,569  
ww skeptics com au or just google

719  
00:28:35,279 --> 00:28:38,569  
Australian skeptics

720  
00:28:43,779 --> 00:28:48,170  
we spend a lot of time talking but do we

721  
00:28:46,849 --> 00:28:50,299  
actually talk about the things that

722  
00:28:48,170 --> 00:28:52,070  
matter have you talked to your loved

723  
00:28:50,299 --> 00:29:02,629  
ones about what happens to your organs

724  
00:28:52,069 --> 00:29:04,730  
after you die organ donation is not as

725  
00:29:02,630 --> 00:29:06,500  
simple as you may think only a small

726  
00:29:04,730 --> 00:29:09,440  
percentage of people who die can

727  
00:29:06,500 --> 00:29:11,630

actually become donors first you need to

728

00:29:09,440 --> 00:29:13,460

die in a hospital organs deteriorate

729

00:29:11,630 --> 00:29:15,860

quickly once you die because they lack

730

00:29:13,460 --> 00:29:17,710

oxygen this means they won't be healthy

731

00:29:15,859 --> 00:29:20,419

enough to donate if you died elsewhere

732

00:29:17,710 --> 00:29:22,400

even with this however there are very

733

00:29:20,420 --> 00:29:24,560

specific criteria that needs to be met

734

00:29:22,400 --> 00:29:26,990

before someone can donate with each

735

00:29:24,559 --> 00:29:29,029

organ having different criteria these

736

00:29:26,990 --> 00:29:33,589

include a wide range of factors for both

737

00:29:29,029 --> 00:29:35,059

donor and recipient a person can only

738

00:29:33,589 --> 00:29:37,220

donate their organs once I've been

739

00:29:35,059 --> 00:29:40,220

pronounced brain-dead meaning they can't

740

00:29:37,220 --> 00:29:43,400

think feel respond or breathe

741

00:29:40,220 --> 00:29:45,319

independently a diagnosis of brain death

742  
00:29:43,400 --> 00:29:47,930  
must be given by two separate doctors

743  
00:29:45,319 --> 00:29:49,779  
before the donors organs can even be

744  
00:29:47,930 --> 00:29:52,190  
considered for transplantation

745  
00:29:49,779 --> 00:29:53,899  
additionally the criteria ensure that

746  
00:29:52,190 --> 00:29:56,330  
people receiving the organs have the

747  
00:29:53,900 --> 00:29:58,340  
best chance of survival with every donor

748  
00:29:56,329 --> 00:30:00,500  
being capable of transforming the lives

749  
00:29:58,339 --> 00:30:02,869  
of 10 or more people it's really

750  
00:30:00,500 --> 00:30:04,880  
important that the organs use the best

751  
00:30:02,869 --> 00:30:06,799  
they can if you want to register to

752  
00:30:04,880 --> 00:30:08,840  
become a donor discuss it with your

753  
00:30:06,799 --> 00:30:11,210  
family first then goes to the Donate

754  
00:30:08,839 --> 00:30:15,289  
Life website to find out more and now

755  
00:30:11,210 --> 00:30:18,360  
for fast facts about organ donation

756  
00:30:15,289 --> 00:30:21,539  
the first human organ transplant took

757  
00:30:18,359 --> 00:30:24,449  
place in 1883 a thyroid transplantation

758  
00:30:21,539 --> 00:30:26,519  
by Swiss surgeon tier door cutter one of

759  
00:30:24,450 --> 00:30:29,069  
the major issues is rejection of the

760  
00:30:26,519 --> 00:30:30,990  
organ by the recipients body this is

761  
00:30:29,069 --> 00:30:33,389  
minimized by reducing the effectiveness

762  
00:30:30,990 --> 00:30:36,299  
of the recipients immune system the

763  
00:30:33,390 --> 00:30:38,400  
first heart transplantation was in 1967

764  
00:30:36,299 --> 00:30:41,069  
by christiaan barnard a South African

765  
00:30:38,400 --> 00:30:43,800  
surgeon and research is continuing into

766  
00:30:41,069 --> 00:30:46,019  
xenotransplantation using animal cells

767  
00:30:43,799 --> 00:30:48,869  
or organs to transplant into humans

768  
00:30:46,019 --> 00:30:50,160  
which could ease organ waiting lists one

769  
00:30:48,869 --> 00:30:51,779  
to find out more about organ

770

00:30:50,160 --> 00:30:53,940  
transplantation head to our website

771  
00:30:51,779 --> 00:30:55,349  
where we have some more information and

772  
00:30:53,940 --> 00:31:10,320  
we'll catch you right back here next

773  
00:30:55,349 --> 00:31:12,750  
week did you see that UFO sighting that

774  
00:31:10,319 --> 00:31:14,429  
made the news what did that latest study

775  
00:31:12,750 --> 00:31:16,859  
about alternative treatments really say

776  
00:31:14,430 --> 00:31:19,830  
is this photo making the rounds real or

777  
00:31:16,859 --> 00:31:21,689  
hoax doubtful news is a unique website

778  
00:31:19,829 --> 00:31:23,849  
featuring news about pseudoscience the

779  
00:31:21,690 --> 00:31:25,549  
paranormal anomalies and questionable

780  
00:31:23,849 --> 00:31:28,799  
claims framed with the skeptical view

781  
00:31:25,549 --> 00:31:31,259  
come visit doleful newscom every day for

782  
00:31:28,799 --> 00:31:34,409  
news about cryptozoology conspiracies

783  
00:31:31,259 --> 00:31:36,900  
shams scams and more follow us on

784  
00:31:34,410 --> 00:31:38,460

twitter at doubtful news critical

785

00:31:36,900 --> 00:31:40,740  
thinking is essential in assessing

786

00:31:38,460 --> 00:31:44,569  
today's news duffel news helps you

787

00:31:40,740 --> 00:31:44,569  
decide can you really believe this stuff

788

00:31:47,299 --> 00:31:51,349  
this is the cosmos

789

00:31:51,490 --> 00:31:58,089  
network of a hundred billion galaxies

790

00:31:53,799 --> 00:32:00,750  
and it's the greatest story science has

791

00:31:58,089 --> 00:32:00,750  
ever told

792

00:32:16,799 --> 00:32:23,129  
life on Earth there's one of unsolved

793

00:32:19,440 --> 00:32:26,840  
mysteries of science come with me our

794

00:32:23,130 --> 00:32:26,840  
journey is just beginning

795

00:32:45,990 --> 00:32:51,120  
and welcome everybody we're really

796

00:32:48,910 --> 00:32:53,440  
pleased to have you here with us tonight

797

00:32:51,119 --> 00:32:56,559  
to share the premiere screening of

798

00:32:53,440 --> 00:32:58,420  
cosmos a spacetime Odyssey and we're

799

00:32:56,559 --> 00:33:00,940  
very lucky to matter to have the

800

00:32:58,420 --> 00:33:05,140  
presence of Andrew and Neil deGrasse

801

00:33:00,940 --> 00:33:07,960  
Tyson who are on a four continent global

802

00:33:05,140 --> 00:33:11,200  
promotional tour in and we have them

803

00:33:07,960 --> 00:33:13,360  
here in Sydney there are many many

804

00:33:11,200 --> 00:33:16,120  
fantastic television shows that are

805

00:33:13,359 --> 00:33:18,639  
produced every year but there are only a

806

00:33:16,119 --> 00:33:21,699  
few there are truly groundbreaking and

807

00:33:18,640 --> 00:33:25,000  
iconic and the original cosmos series

808

00:33:21,700 --> 00:33:28,090  
was one of those shows 30 years later

809

00:33:25,000 --> 00:33:30,789  
it's time to bring it back and to bring

810

00:33:28,089 --> 00:33:34,059  
it back to audiences around the world in

811

00:33:30,789 --> 00:33:36,279  
what will be like jason said the largest

812

00:33:34,059 --> 00:33:39,250  
global launch event for a television

813  
00:33:36,279 --> 00:33:41,170  
series we're going to be premiering it

814  
00:33:39,250 --> 00:33:44,019  
across all of National Geographic

815  
00:33:41,170 --> 00:33:48,400  
channel's and across all Fox channels

816  
00:33:44,019 --> 00:33:51,970  
around the world in 171 countries in 45

817  
00:33:48,400 --> 00:33:55,060  
languages at National Geographic we're

818  
00:33:51,970 --> 00:33:58,210  
passionate about exploration it's in our

819  
00:33:55,059 --> 00:34:01,329  
DNA and cosmos a spacetime Odyssey

820  
00:33:58,210 --> 00:34:04,420  
represents a stunning epic journey into

821  
00:34:01,329 --> 00:34:06,339  
a new age of exploration the series

822  
00:34:04,420 --> 00:34:08,409  
aspires to bring the wonders of the

823  
00:34:06,339 --> 00:34:11,139  
universe to the broadest possible

824  
00:34:08,409 --> 00:34:13,879  
audience through stunning visuals and

825  
00:34:11,139 --> 00:34:17,150  
outstanding storytelling

826  
00:34:13,880 --> 00:34:19,910  
this is a thrilling 13-part series I

827

00:34:17,150 --> 00:34:23,059  
hope you really enjoy tonight ask all

828  
00:34:19,909 --> 00:34:25,309  
the questions you want to us and you

829  
00:34:23,059 --> 00:34:28,279  
won't get too many opportunities to meet

830  
00:34:25,309 --> 00:34:38,170  
Neil and an and ask them whatever you

831  
00:34:28,280 --> 00:34:41,800  
want to us thank you very much so

832  
00:34:38,170 --> 00:34:46,690  
without further ado can I please welcome

833  
00:34:41,800 --> 00:34:46,690  
Neil deGrasse Tyson and jam

834  
00:34:59,989 --> 00:35:04,500  
so before we get into the question time

835  
00:35:02,539 --> 00:35:07,170  
typist on a bit of a journey through a

836  
00:35:04,500 --> 00:35:10,190  
cosmos the revisiting of one of the most

837  
00:35:07,170 --> 00:35:10,190  
incredible series on TV

838  
00:35:18,030 --> 00:35:25,420  
well it was my honor to write the

839  
00:35:23,230 --> 00:35:28,869  
original cosmos series with the great

840  
00:35:25,420 --> 00:35:34,329  
Carl thing and when astrophysicist

841  
00:35:28,869 --> 00:35:38,259

Steven Soter so 35 years ago and seven

842

00:35:34,329 --> 00:35:41,769

years ago I began setting out to produce

843

00:35:38,260 --> 00:35:43,990

and to write with Steven Soter the new

844

00:35:41,769 --> 00:35:47,139

cosmos series

845

00:35:43,989 --> 00:35:50,739

very one of our first decisions

846

00:35:47,139 --> 00:35:52,629

was to invite Neil deGrasse Tyson to

847

00:35:50,739 --> 00:35:55,069

join us

848

00:35:52,630 --> 00:35:58,160

and I think

849

00:35:55,070 --> 00:36:01,250

the medical reasons why we made that

850

00:35:58,159 --> 00:36:07,219

choice will become crystal clear during

851

00:36:01,250 --> 00:36:11,809

the course of the next 15 News so we now

852

00:36:07,219 --> 00:36:14,299

have a new 13 hours 13 hours of Cosmos

853

00:36:11,809 --> 00:36:17,630

experience in the world thanks to

854

00:36:14,300 --> 00:36:20,359

National Geographic and Fox we have been

855

00:36:17,630 --> 00:36:24,890

given as you've just heard

856  
00:36:20,358 --> 00:36:28,269  
the life broadest tallest possible

857  
00:36:24,889 --> 00:36:31,659  
platform in which to do so

858  
00:36:28,269 --> 00:36:34,809  
cosmos as you probably all know is the

859  
00:36:31,659 --> 00:36:38,019  
great story of the universe as revealed

860  
00:36:34,809 --> 00:36:42,519  
by science it's also the story of the

861  
00:36:38,019 --> 00:36:46,050  
searchers who helped us establish our

862  
00:36:42,519 --> 00:36:51,039  
imperfect and incomplete understanding

863  
00:36:46,050 --> 00:36:55,380  
of the vastness it's also a journey

864  
00:36:51,039 --> 00:36:59,769  
across the universe of space and in time

865  
00:36:55,380 --> 00:37:01,780  
and love to turn over to kneel to

866  
00:36:59,769 --> 00:37:05,369  
complete our little introduction she

867  
00:37:01,780 --> 00:37:05,370  
didn't leave anything left me to say

868  
00:37:06,179 --> 00:37:12,819  
cosmos I think distinguishes itself from

869  
00:37:09,300 --> 00:37:15,100  
the traditional documentary where

870  
00:37:12,820 --> 00:37:16,690  
nowadays when you go tune into a

871  
00:37:15,099 --> 00:37:18,610  
documentary there's some expectations

872  
00:37:16,690 --> 00:37:21,010  
you have and typically they're fulfilled

873  
00:37:18,610 --> 00:37:24,190  
the documentary teachers use some

874  
00:37:21,010 --> 00:37:27,670  
frontier subject that's been updated

875  
00:37:24,190 --> 00:37:31,179  
recently or perhaps it'll it'll be a

876  
00:37:27,670 --> 00:37:33,430  
little more sort of pedantic and will

877  
00:37:31,179 --> 00:37:36,669  
give you basic information about some

878  
00:37:33,429 --> 00:37:39,519  
knowledge of typically a page torn from

879  
00:37:36,670 --> 00:37:43,990  
a textbook and that's fine that's fine

880  
00:37:39,519 --> 00:37:46,989  
but cosmos original and I think we've

881  
00:37:43,989 --> 00:37:49,509  
succeeded in continuing this epic

882  
00:37:46,989 --> 00:37:51,879  
adventure we do more than that yes

883  
00:37:49,510 --> 00:37:54,460  
there's science to learn no doubt about

884

00:37:51,880 --> 00:37:57,010  
it but what's more important than even

885  
00:37:54,460 --> 00:38:01,440  
the science to learn is why the science

886  
00:37:57,010 --> 00:38:06,010  
matters to you as a human being to

887  
00:38:01,440 --> 00:38:10,720  
culture to our capacity to be good

888  
00:38:06,010 --> 00:38:13,450  
shepherds of civilization and it's this

889  
00:38:10,719 --> 00:38:15,489  
messaging that is throughout cusp of the

890  
00:38:13,449 --> 00:38:19,210  
original and the new one that

891  
00:38:15,489 --> 00:38:21,309  
distinguishes what cosmos is and what it

892  
00:38:19,210 --> 00:38:26,800  
will mean to you after you've observed

893  
00:38:21,309 --> 00:38:28,900  
it and so people always ask me us well

894  
00:38:26,800 --> 00:38:30,250  
the bottom how much science has

895  
00:38:28,900 --> 00:38:33,039  
happened in the last 35 years what did

896  
00:38:30,250 --> 00:38:34,989  
you have to add and yeah sure there's

897  
00:38:33,039 --> 00:38:38,529  
what the multiverse we got that all

898  
00:38:34,989 --> 00:38:41,469

right the plateau is a thousand planets

899

00:38:38,530 --> 00:38:46,140

discovered orbiting other stars beyond

900

00:38:41,469 --> 00:38:49,000

the Sun we got that right we were there

901

00:38:46,139 --> 00:38:53,230

but without a thread that connects it

902

00:38:49,000 --> 00:38:57,190

back to us it would just be information

903

00:38:53,230 --> 00:39:00,909

rather than wisdom and so if we

904

00:38:57,190 --> 00:39:03,670

succeeded as in the way we think we have

905

00:39:00,909 --> 00:39:08,339

duly continued this epic adventure begun

906

00:39:03,670 --> 00:39:10,329

by carl sagan how do you find the

907

00:39:08,340 --> 00:39:13,090

accessibility of the science was that a

908

00:39:10,329 --> 00:39:14,889

challenge in the new series be it wasn't

909

00:39:13,090 --> 00:39:17,320

a challenge because i'm not a scientist

910

00:39:14,889 --> 00:39:19,750

and so I know if I don't understand

911

00:39:17,320 --> 00:39:22,990

something then my friends in the

912

00:39:19,750 --> 00:39:24,929

audience will not understand also and I

913  
00:39:22,989 --> 00:39:29,799  
think the important thing is to

914  
00:39:24,929 --> 00:39:31,929  
communicate and to connect and I hope

915  
00:39:29,800 --> 00:39:36,060  
you'll feel that we haven't in any way

916  
00:39:31,929 --> 00:39:42,039  
dumb down the science in these 13 hours

917  
00:39:36,059 --> 00:39:45,190  
but as Carl Sagan taught us all there's

918  
00:39:42,039 --> 00:39:47,710  
a way to say it through that everyone

919  
00:39:45,190 --> 00:39:51,730  
from a smallest child

920  
00:39:47,710 --> 00:39:55,780  
to the person lost this August

921  
00:39:51,730 --> 00:40:00,070  
scientists can appreciate the meaning

922  
00:39:55,780 --> 00:40:04,570  
and a significant and I think that all

923  
00:40:00,070 --> 00:40:10,269  
of us remember the singular poetry that

924  
00:40:04,570 --> 00:40:13,059  
Carl brought to joy of understanding a

925  
00:40:10,269 --> 00:40:17,269  
little bit about the beauty and the

926  
00:40:13,059 --> 00:40:19,099  
bestest of which we are a part

927

00:40:17,269 --> 00:40:20,750  
do you feel neil communicating the

928

00:40:19,099 --> 00:40:23,150  
science on the show that the

929

00:40:20,750 --> 00:40:26,030  
responsibility of potentially changing

930

00:40:23,150 --> 00:40:28,700  
government policy I mean this is oh yeah

931

00:40:26,030 --> 00:40:31,519  
I mean people said people say oh well

932

00:40:28,699 --> 00:40:33,769  
Commons be good for kids yeah but adults

933

00:40:31,519 --> 00:40:36,889  
outnumber kids five to one in the world

934

00:40:33,769 --> 00:40:41,590  
and adults run things and wield

935

00:40:36,889 --> 00:40:46,339  
resources and have all power and and so

936

00:40:41,590 --> 00:40:50,090  
I would expect if cosmos succeeds as we

937

00:40:46,340 --> 00:40:51,500  
intend that whether or not you see

938

00:40:50,090 --> 00:40:53,809  
cosmos and say I want to become a

939

00:40:51,500 --> 00:40:56,989  
scientist that'd be good okay I don't

940

00:40:53,809 --> 00:41:00,320  
know probably bad yeah yeah yeah but you

941

00:40:56,989 --> 00:41:03,469  
work more likely statistically is that

942  
00:41:00,320 --> 00:41:05,330  
the entire communities of people who

943  
00:41:03,469 --> 00:41:08,299  
would have never thought to think about

944  
00:41:05,329 --> 00:41:10,069  
science before and the way it's been

945  
00:41:08,300 --> 00:41:14,300  
presented in cosmos and it may then

946  
00:41:10,070 --> 00:41:19,250  
influence their future thinking about

947  
00:41:14,300 --> 00:41:21,680  
policy about society about I mean think

948  
00:41:19,250 --> 00:41:24,500  
about it their needs we now have in the

949  
00:41:21,679 --> 00:41:27,500  
21st century transportation energy and

950  
00:41:24,500 --> 00:41:29,929  
the conflict the duality between the

951  
00:41:27,500 --> 00:41:32,030  
needs for energy and the consequences of

952  
00:41:29,929 --> 00:41:35,509  
burning fossil fuels on the very

953  
00:41:32,030 --> 00:41:39,260  
environment than providing us stable

954  
00:41:35,510 --> 00:41:43,040  
climate to conduct these activities so

955  
00:41:39,260 --> 00:41:46,160

we become the seeds of our own undoing

956

00:41:43,039 --> 00:41:49,250

and one of the greatest tragedies of the

957

00:41:46,159 --> 00:41:51,500

galaxy would be that our civilization

958

00:41:49,250 --> 00:41:54,440

collapses for reasons that we had

959

00:41:51,500 --> 00:41:58,010

foresight to predict and the power to

960

00:41:54,440 --> 00:42:00,289

stop yet didn't and in my twitter stream

961

00:41:58,010 --> 00:42:02,540

i occasionally reflect upon how

962

00:42:00,289 --> 00:42:04,400

embarrassed I be if an alien landed next

963

00:42:02,539 --> 00:42:06,289

to me I had to tell them yeah we're

964

00:42:04,400 --> 00:42:08,099

pulling fossil fuels out of the ground

965

00:42:06,289 --> 00:42:09,900

is that how you're getting

966

00:42:08,099 --> 00:42:12,509

energy when all the universe is

967

00:42:09,900 --> 00:42:14,639

unlimited sources and and so the

968

00:42:12,510 --> 00:42:16,230

conversation I have I said okay Alec

969

00:42:14,639 --> 00:42:18,500

come back to in 100 years all right

970  
00:42:16,230 --> 00:42:22,800  
maybe we are got something show me that

971  
00:42:18,500 --> 00:42:27,650  
exactly at the heart of cosmos is how do

972  
00:42:22,800 --> 00:42:30,120  
you get the public to stop

973  
00:42:27,650 --> 00:42:33,900  
compartmentalizing the scientific

974  
00:42:30,119 --> 00:42:37,069  
information that we get when we hold

975  
00:42:33,900 --> 00:42:39,360  
something wholly unrelated in our hearts

976  
00:42:37,070 --> 00:42:43,350  
cosmos think about breaking down that

977  
00:42:39,360 --> 00:42:45,720  
wall before it's too late so that we

978  
00:42:43,349 --> 00:42:47,809  
begin to take to heart not only the

979  
00:42:45,719 --> 00:42:49,989  
warnings of the scientific community

980  
00:42:47,809 --> 00:42:56,409  
most urgently

981  
00:42:49,989 --> 00:42:58,989  
but also the beauty of our origins where

982  
00:42:56,409 --> 00:43:02,289  
we came from of the continuity of the

983  
00:42:58,989 --> 00:43:07,569  
life that stretches back almost 4

984  
00:43:02,289 --> 00:43:10,119  
billion years on this planet I hope that

985  
00:43:07,570 --> 00:43:13,019  
the cosmos can accomplish anything it

986  
00:43:10,119 --> 00:43:18,010  
would be to break down that denial and

987  
00:43:13,019 --> 00:43:21,009  
to awaken us from our stupor and begin

988  
00:43:18,010 --> 00:43:24,730  
to protect that continuity and value it

989  
00:43:21,010 --> 00:43:26,700  
above anything else yeah I add that I

990  
00:43:24,730 --> 00:43:30,630  
imagine that there are three categories

991  
00:43:26,699 --> 00:43:34,179  
there's more than three buttons for this

992  
00:43:30,630 --> 00:43:35,440  
three broad kinds of people they're the

993  
00:43:34,179 --> 00:43:37,329  
people who are already sort of

994  
00:43:35,440 --> 00:43:41,019  
comfortable comfortable with science

995  
00:43:37,329 --> 00:43:44,529  
sort of a geek set right d chic and so

996  
00:43:41,019 --> 00:43:47,800  
we got there we got there there we got

997  
00:43:44,530 --> 00:43:50,860  
any of the people who never knew that

998

00:43:47,800 --> 00:43:52,990  
they would like songz run bracelet p and

999  
00:43:50,860 --> 00:43:56,440  
the cosmos would then be an awakening

1000  
00:43:52,989 --> 00:43:59,399  
for them that the ignition of a flame

1001  
00:43:56,440 --> 00:44:01,960  
that can burn deeply within them

1002  
00:43:59,400 --> 00:44:04,329  
awakening perhaps if you will their

1003  
00:44:01,960 --> 00:44:06,250  
inner geek there's a third category i

1004  
00:44:04,329 --> 00:44:08,199  
think is the most challenging and I

1005  
00:44:06,250 --> 00:44:10,030  
think we might even succeed there as

1006  
00:44:08,199 --> 00:44:12,519  
well this is the community of people

1007  
00:44:10,030 --> 00:44:15,280  
that as far as they're concerned they

1008  
00:44:12,519 --> 00:44:18,159  
know they don't like science the science

1009  
00:44:15,280 --> 00:44:20,650  
is not for that the Site may be there

1010  
00:44:18,159 --> 00:44:23,170  
the walking wounded from their days in

1011  
00:44:20,650 --> 00:44:26,200  
school I have to having an injured in

1012  
00:44:23,170 --> 00:44:28,690

science classes but there's surely a

1013

00:44:26,199 --> 00:44:31,019

community of people that were Jack sites

1014

00:44:28,690 --> 00:44:34,659

for whatever reasons be it some other

1015

00:44:31,019 --> 00:44:36,070

conflicting bit of philosophy the

1016

00:44:34,659 --> 00:44:39,460

political philosophy religious

1017

00:44:36,070 --> 00:44:43,510

philosophy any outlook you have the

1018

00:44:39,460 --> 00:44:45,760

forces you to reject it cosmos will be

1019

00:44:43,510 --> 00:44:48,849

very visible to them I think it'll be

1020

00:44:45,760 --> 00:44:50,680

hard to channel sir past it

1021

00:44:48,849 --> 00:44:53,890

studying visualizations of the universe

1022

00:44:50,679 --> 00:44:57,548

the tenderness with which information is

1023

00:44:53,889 --> 00:45:00,028

conveyed the soulfulness with which you

1024

00:44:57,548 --> 00:45:03,460

learn what our place is in the universe

1025

00:45:00,028 --> 00:45:06,489

it's not i'm not there pontificating I'm

1026

00:45:03,460 --> 00:45:09,489

not up on high requiring that you pay

1027  
00:45:06,489 --> 00:45:12,970  
attention to me this is an offering and

1028  
00:45:09,489 --> 00:45:15,849  
I think at my best I'm I come out of the

1029  
00:45:12,969 --> 00:45:19,358  
screen and I'm sitting XD and we're just

1030  
00:45:15,849 --> 00:45:22,528  
talking about the universe on that night

1031  
00:45:19,358 --> 00:45:22,528  
let's have a look

1032  
00:46:01,400 --> 00:46:07,200  
thank you for listening to the skeptic

1033  
00:46:04,289 --> 00:46:09,359  
zone and as promised as promised here

1034  
00:46:07,199 --> 00:46:12,239  
are the details of how you can win that

1035  
00:46:09,358 --> 00:46:14,159  
wonderful cosmos pack courtesy of the

1036  
00:46:12,239 --> 00:46:15,868  
national geographic channel I have one

1037  
00:46:14,159 --> 00:46:17,759  
pack to give away for an Australian

1038  
00:46:15,869 --> 00:46:19,858  
listener and one pack to give away for

1039  
00:46:17,759 --> 00:46:21,659  
an international listener at the moment

1040  
00:46:19,858 --> 00:46:23,730  
all those people who are coming to

1041  
00:46:21,659 --> 00:46:26,129  
Sydney skeptics in the pub by the way

1042  
00:46:23,730 --> 00:46:28,710  
I've got another prize pack to give away

1043  
00:46:26,130 --> 00:46:31,200  
they're another price pack probably for

1044  
00:46:28,710 --> 00:46:34,349  
the dinner coming up and well so on

1045  
00:46:31,199 --> 00:46:37,129  
anyway getting back to the competition

1046  
00:46:34,349 --> 00:46:43,019  
now to make it fair all you have to do

1047  
00:46:37,130 --> 00:46:46,500  
is come up with a number between 1 and 1

1048  
00:46:43,018 --> 00:46:48,629  
billion in this case that's a thousand

1049  
00:46:46,500 --> 00:46:51,539  
million not a million million so a

1050  
00:46:48,630 --> 00:46:54,588  
number between one and a thousand

1051  
00:46:51,539 --> 00:46:59,670  
million write that number in an email

1052  
00:46:54,588 --> 00:47:03,420  
addressed to cosmos at skeptic zone dot

1053  
00:46:59,670 --> 00:47:05,970  
TV the person with the closest number to

1054  
00:47:03,420 --> 00:47:08,278  
the randomly selected number in

1055

00:47:05,969 --> 00:47:10,949  
Australia will win a cosmos pack and

1056  
00:47:08,278 --> 00:47:12,480  
also the same for the person who has the

1057  
00:47:10,949 --> 00:47:16,018  
closest number to a randomly selected

1058  
00:47:12,480 --> 00:47:18,298  
number internationally the competition

1059  
00:47:16,018 --> 00:47:21,629  
will close at midnight on the 6th of

1060  
00:47:18,298 --> 00:47:24,809  
March that's this coming Thursday which

1061  
00:47:21,630 --> 00:47:26,818  
midnight you might ask your local time

1062  
00:47:24,809 --> 00:47:30,778  
midnight in other words when the last

1063  
00:47:26,818 --> 00:47:32,159  
midnight on in the world on the six of

1064  
00:47:30,778 --> 00:47:34,650  
March has gone that's when the

1065  
00:47:32,159 --> 00:47:37,078  
competition closes so there it is send

1066  
00:47:34,650 --> 00:47:39,599  
an email with your guests of a number

1067  
00:47:37,079 --> 00:47:42,720  
between one and one thousand million

1068  
00:47:39,599 --> 00:47:45,210  
addressed to cosmos at skeptics own TV

1069  
00:47:42,719 --> 00:47:47,730

you could put competition in the subject

1070

00:47:45,210 --> 00:47:51,269

line and I'll announce the winners on

1071

00:47:47,730 --> 00:47:53,548

next week's show and don't forget for

1072

00:47:51,268 --> 00:47:56,098

those listeners in Australia tune in to

1073

00:47:53,548 --> 00:47:58,469

the National Geographic Channel Sunday

1074

00:47:56,099 --> 00:48:00,660

March the 16th at seven-thirty p.m. for

1075

00:47:58,469 --> 00:48:03,268

the first episode of cosmos and

1076

00:48:00,659 --> 00:48:06,000

everybody else around the world check

1077

00:48:03,268 --> 00:48:08,909

your local listings but for now this is

1078

00:48:06,000 --> 00:48:10,940

Richard Saunders signing off from Sydney

1079

00:48:08,909 --> 00:48:10,940

Australia

1080

00:48:12,989 --> 00:48:20,409

you've been listening to the skeptic

1081

00:48:15,400 --> 00:48:24,190

zone visit our website at [www.skeptics](http://www.skeptics)

1082

00:48:20,409 --> 00:48:27,119

on TV for comments contacts and extra

1083

00:48:24,190 --> 00:48:27,119

video reports

