

1  
00:00:06,359 --> 00:00:13,800  
welcome to the skeptic zone the podcast

2  
00:00:09,519 --> 00:00:15,859  
from Australia for science and reason

3  
00:00:13,800 --> 00:00:15,860  
you

4  
00:00:20,399 --> 00:00:27,169  
hello and welcome to the skeptic zone

5  
00:00:22,890 --> 00:00:37,469  
episode number 301 for the 27th of July

6  
00:00:27,170 --> 00:00:39,420  
2014 thank you canned applause from the

7  
00:00:37,469 --> 00:00:41,640  
amazing meeting in Las Vegas I'm still

8  
00:00:39,420 --> 00:00:43,890  
coming down from it folks it was such a

9  
00:00:41,640 --> 00:00:46,739  
great time such a busy time it's such a

10  
00:00:43,890 --> 00:00:50,939  
wonderful time in fact we're gonna have

11  
00:00:46,738 --> 00:00:52,908  
some few last rounding off type

12  
00:00:50,939 --> 00:00:55,320  
interviews from the amazing meeting

13  
00:00:52,908 --> 00:00:57,298  
unfortunately I didn't get to her to do

14  
00:00:55,320 --> 00:00:59,488  
as many interviews as I'd hoped there I

15  
00:00:57,298 --> 00:01:00,780  
was pretty busy I wondered do interview

16  
00:00:59,488 --> 00:01:03,390  
this person and that person and this

17  
00:01:00,780 --> 00:01:05,640  
person and round the corner and you know

18  
00:01:03,390 --> 00:01:08,250  
what I really needed main out there

19  
00:01:05,640 --> 00:01:10,409  
folks I really needed main out there he

20  
00:01:08,250 --> 00:01:11,728  
couldn't make it this year but it's

21  
00:01:10,409 --> 00:01:12,930  
great when he was there a couple of

22  
00:01:11,728 --> 00:01:15,329  
years ago I sent him off at the

23  
00:01:12,930 --> 00:01:16,680  
microphone didn't see him for days and

24  
00:01:15,329 --> 00:01:20,688  
when he'd finished he had something like

25  
00:01:16,680 --> 00:01:22,650  
40 interviews ah Maynard you're a wonder

26  
00:01:20,688 --> 00:01:23,669  
anyway coming up on this week's show

27  
00:01:22,650 --> 00:01:25,530  
we're going to kick off with some

28  
00:01:23,670 --> 00:01:28,230  
interviews from the amazing meeting I

29

00:01:25,530 --> 00:01:31,200  
managed to get anyway we've got Carl

30  
00:01:28,230 --> 00:01:33,780  
Sanders who does carbon dating comics

31  
00:01:31,200 --> 00:01:35,400  
we've got a wonderful lady called kathy

32  
00:01:33,780 --> 00:01:38,280  
smith who was just a sort of your

33  
00:01:35,400 --> 00:01:42,659  
everyday wonderful type skeptical person

34  
00:01:38,280 --> 00:01:46,200  
at damn so we chat to her and a a real

35  
00:01:42,659 --> 00:01:48,600  
character attempt spoon equine who's an

36  
00:01:46,200 --> 00:01:53,850  
artist and uh has a blog called the mad

37  
00:01:48,599 --> 00:01:56,369  
science writer and she does Oh artwork

38  
00:01:53,849 --> 00:01:59,158  
she draws pictures from the solar flare

39  
00:01:56,370 --> 00:02:01,590  
as the skeptics own solar flare

40  
00:01:59,159 --> 00:02:04,680  
adventure the people you meet folks to

41  
00:02:01,590 --> 00:02:08,000  
people you meet so one last taste of Tam

42  
00:02:04,680 --> 00:02:10,289  
um well I guess until next year

43  
00:02:08,000 --> 00:02:12,000

following that we have a report a

44  
00:02:10,288 --> 00:02:15,119  
special report from our good friend Bob

45  
00:02:12,000 --> 00:02:17,639  
blaskowitz from the Houston cancer quack

46  
00:02:15,120 --> 00:02:19,890  
website about the Brazil ski clinic and

47  
00:02:17,639 --> 00:02:23,518  
the latest updates and news on that

48  
00:02:19,889 --> 00:02:25,289  
particular character I think Gila I

49  
00:02:23,519 --> 00:02:27,989  
think you'll find his report very

50  
00:02:25,289 --> 00:02:32,459  
interesting as always we have a week in

51  
00:02:27,989 --> 00:02:34,110  
science from ww RI a USDA you the Royal

52  
00:02:32,459 --> 00:02:35,550  
Institution of Australia hello

53  
00:02:34,110 --> 00:02:38,670  
all Willis I should come and visit you

54  
00:02:35,550 --> 00:02:41,160  
soon I hope who knows and then to round

55  
00:02:38,669 --> 00:02:44,909  
up the show speaking earlier of main IDs

56  
00:02:41,159 --> 00:02:47,099  
it's Maynard spooky action what would it

57  
00:02:44,909 --> 00:02:48,719  
interesting Maynard spooky action it is

58  
00:02:47,099 --> 00:02:52,489  
maynards going to be talking to some

59  
00:02:48,719 --> 00:02:54,599  
pharmacists and a pharmacist student

60  
00:02:52,490 --> 00:02:57,629  
pharmacies pharmacist you know they're

61  
00:02:54,599 --> 00:02:59,759  
the sort of the frontline of our medical

62  
00:02:57,629 --> 00:03:01,289  
science in our community in many ways

63  
00:02:59,759 --> 00:03:03,299  
when people have an ailment they'll

64  
00:03:01,289 --> 00:03:05,310  
often go to the pharmacist before they

65  
00:03:03,300 --> 00:03:07,469  
go to the doctor now I must admit I've

66  
00:03:05,310 --> 00:03:09,930  
had a bone to pick with many pharmacies

67  
00:03:07,469 --> 00:03:12,689  
in this country over the years because

68  
00:03:09,930 --> 00:03:15,739  
sadly many chemist shops many many

69  
00:03:12,689 --> 00:03:21,270  
pharmacies well to be blunt sell

70  
00:03:15,739 --> 00:03:23,310  
quackery homeopathy um snoring rings

71  
00:03:21,270 --> 00:03:27,239  
that work on acupuncture points and this

72  
00:03:23,310 --> 00:03:30,479  
sort of stuff I even have bought magical

73  
00:03:27,239 --> 00:03:33,360  
power bands in pharmacies in the past in

74  
00:03:30,479 --> 00:03:36,238  
this country so I am not completely

75  
00:03:33,360 --> 00:03:37,980  
happy with what happens in pharmacies

76  
00:03:36,239 --> 00:03:39,330  
I'll have to admit it nevertheless I

77  
00:03:37,979 --> 00:03:41,669  
know there are many pharmacies out there

78  
00:03:39,330 --> 00:03:44,820  
who do a great job and aren't very happy

79  
00:03:41,669 --> 00:03:48,208  
with the fact that them this quackery is

80  
00:03:44,819 --> 00:03:49,620  
being sold anyway Maynard gets the

81  
00:03:48,209 --> 00:03:53,129  
lowdown on what it's like to be a

82  
00:03:49,620 --> 00:03:54,629  
pharmacist later on in the show now i

83  
00:03:53,129 --> 00:03:56,489  
must say a really big thank you to all

84  
00:03:54,629 --> 00:04:00,560  
those people out there who are tweeting

85  
00:03:56,489 --> 00:04:02,939  
and facebooking and blogging my

86

00:04:00,560 --> 00:04:05,219  
documentary the vaccination chronicles

87  
00:04:02,939 --> 00:04:06,840  
which went out last week and there's

88  
00:04:05,219 --> 00:04:09,569  
even an effort to get Bill Gates to

89  
00:04:06,840 --> 00:04:12,060  
tweet it and Stephen Fry oh that would

90  
00:04:09,569 --> 00:04:14,699  
be nice folks that would be nice I'm now

91  
00:04:12,060 --> 00:04:17,399  
working because of all the requests I'm

92  
00:04:14,699 --> 00:04:18,959  
now working on the DVD of the

93  
00:04:17,399 --> 00:04:21,060  
vaccination Chronicles which will have

94  
00:04:18,959 --> 00:04:22,530  
extra features on an extended interviews

95  
00:04:21,060 --> 00:04:25,918  
the stuff that I couldn't quite fit into

96  
00:04:22,529 --> 00:04:29,579  
the documentary that will be available

97  
00:04:25,918 --> 00:04:30,810  
eventually in Powell for the countries

98  
00:04:29,579 --> 00:04:34,139  
around the world that use the PAL system

99  
00:04:30,810 --> 00:04:36,600  
and in the ntsc version for North

100  
00:04:34,139 --> 00:04:38,550

America it'll be region free of course

101

00:04:36,600 --> 00:04:40,650

and when that comes out I'll only be

102

00:04:38,550 --> 00:04:43,079

selling that at a price which covers the

103

00:04:40,649 --> 00:04:45,000

cost of production and mailing this is

104

00:04:43,079 --> 00:04:47,699

not an exercise for me to make a profit

105

00:04:45,000 --> 00:04:47,939

the YouTube video is free to view of

106

00:04:47,699 --> 00:04:50,099

course

107

00:04:47,939 --> 00:04:52,500

well there's no ads on it you're free to

108

00:04:50,100 --> 00:04:55,260

copy it and download it and view it and

109

00:04:52,500 --> 00:04:57,449

show it and look at it again whatever

110

00:04:55,259 --> 00:04:59,659

you want to do the idea is to get the

111

00:04:57,449 --> 00:05:03,349

word out about the importance of

112

00:04:59,660 --> 00:05:05,640

vaccinations and what it was like before

113

00:05:03,350 --> 00:05:07,710

when parents live with the very real

114

00:05:05,639 --> 00:05:09,360

fear that their babies and their

115  
00:05:07,709 --> 00:05:11,069  
children could succumb to these horrible

116  
00:05:09,360 --> 00:05:13,819  
diseases if you haven't seen the

117  
00:05:11,069 --> 00:05:17,490  
documentary yeah way if you go to a

118  
00:05:13,819 --> 00:05:19,050  
skeptic zone TV and scroll down you'll

119  
00:05:17,490 --> 00:05:20,819  
be able to see it there and i'll

120  
00:05:19,050 --> 00:05:23,759  
certainly be keeping you all updated on

121  
00:05:20,819 --> 00:05:25,980  
the progress of the the DVD i'm going to

122  
00:05:23,759 --> 00:05:27,959  
brush up my old DVD authoring skills

123  
00:05:25,980 --> 00:05:30,150  
I've authored quite a few dvds in my

124  
00:05:27,959 --> 00:05:34,199  
time and haven't done it for a little

125  
00:05:30,149 --> 00:05:36,779  
while but that's something i really look

126  
00:05:34,199 --> 00:05:38,189  
forward to getting that DVD out well

127  
00:05:36,779 --> 00:05:42,059  
that's enough for me i'm going to how a

128  
00:05:38,189 --> 00:05:46,560  
hello Fred it's Fred the cat no I missed

129  
00:05:42,060 --> 00:05:48,860  
you friend hello sweetie yeah he's lying

130  
00:05:46,560 --> 00:05:53,399  
on his favorite cushion next to me here

131  
00:05:48,860 --> 00:05:54,840  
how are you you all right no he likes a

132  
00:05:53,399 --> 00:05:57,929  
scratch behind the ear don't they all

133  
00:05:54,839 --> 00:06:00,089  
don't they all Fred what do you think I

134  
00:05:57,930 --> 00:06:02,340  
should have this week hmm if I can run

135  
00:06:00,089 --> 00:06:03,389  
down to the fridge run downstairs and

136  
00:06:02,339 --> 00:06:06,359  
open the fridge what do you think I'll

137  
00:06:03,389 --> 00:06:10,289  
find I know what I'll find it's not the

138  
00:06:06,360 --> 00:06:13,770  
fridge Fred no it's in a packet instant

139  
00:06:10,290 --> 00:06:16,710  
miso soup not bad not gonna have some of

140  
00:06:13,769 --> 00:06:19,889  
that why i have 0 big yawn from Fred am

141  
00:06:16,709 --> 00:06:22,620  
i that interesting Fred mi know while

142  
00:06:19,889 --> 00:06:25,219  
I'm doing that I hope you enjoy the

143

00:06:22,620 --> 00:06:25,220  
skeptical zone

144  
00:06:42,899 --> 00:06:48,818  
las vegas at night and we're outside the

145  
00:06:46,259 --> 00:06:51,610  
south point casino and it's like we've

146  
00:06:48,819 --> 00:06:54,550  
walked into an oven i kid you not my

147  
00:06:51,610 --> 00:06:57,129  
friends it's incredible the contrast

148  
00:06:54,550 --> 00:06:58,720  
that must be over I don't know it's 40

149  
00:06:57,129 --> 00:07:00,550  
plus degrees out here there's a hot air

150  
00:06:58,720 --> 00:07:02,020  
blowing on us Wow there is a hot air

151  
00:07:00,550 --> 00:07:05,848  
blowing honest I think we're gonna have

152  
00:07:02,019 --> 00:07:08,019  
to stand over here no go back over here

153  
00:07:05,848 --> 00:07:10,240  
where's that hot air coming from the

154  
00:07:08,019 --> 00:07:13,899  
desert winds I think it's the desert

155  
00:07:10,240 --> 00:07:16,720  
winds will carry on last year at the

156  
00:07:13,899 --> 00:07:18,549  
amazing meeting I met a man who did the

157  
00:07:16,720 --> 00:07:21,280

comic strip and does the comic strip

158

00:07:18,550 --> 00:07:25,030

carbon dating who are you why are you

159

00:07:21,279 --> 00:07:27,668

here hello Australia I am Kyle Sanders

160

00:07:25,029 --> 00:07:29,859

and I've launched the year ago and have

161

00:07:27,668 --> 00:07:31,598

come back this year to Tam I saw you at

162

00:07:29,860 --> 00:07:34,060

your table the carbon dating table very

163

00:07:31,598 --> 00:07:38,829

popular the comic strip what's the URL

164

00:07:34,060 --> 00:07:40,899

straightaway carbon comic com and it was

165

00:07:38,829 --> 00:07:42,879

gone extremely well since last year

166

00:07:40,899 --> 00:07:44,739

things have really picked up the comic

167

00:07:42,879 --> 00:07:47,408

strip is now in the American skeptical

168

00:07:44,740 --> 00:07:48,939

Inquirer magazine as well as full-page

169

00:07:47,408 --> 00:07:51,098

illustrations I do for a skeptic

170

00:07:48,939 --> 00:07:53,259

magazine that's fantastic and what's the

171

00:07:51,098 --> 00:07:55,870

basic philosophy on the carbon dating

172  
00:07:53,259 --> 00:07:58,629  
comic strip my philosophy is if you can

173  
00:07:55,870 --> 00:08:00,459  
make a friend laughs at an irrational

174  
00:07:58,629 --> 00:08:03,158  
idea maybe they won't take it so

175  
00:08:00,459 --> 00:08:04,538  
seriously in the future so the comic

176  
00:08:03,158 --> 00:08:06,759  
strip features a group of friends who

177  
00:08:04,538 --> 00:08:08,879  
all have their different irrational

178  
00:08:06,759 --> 00:08:12,879  
beliefs and it addresses them over time

179  
00:08:08,879 --> 00:08:14,769  
Wow and you had some great news i saw

180  
00:08:12,879 --> 00:08:16,418  
yesterday oh it was the day i thought

181  
00:08:14,769 --> 00:08:18,399  
you know what all these days is sort of

182  
00:08:16,418 --> 00:08:21,279  
learned together yeah blended together

183  
00:08:18,399 --> 00:08:22,929  
there was a big cheer went up from your

184  
00:08:21,279 --> 00:08:24,819  
table what was that all about yes our

185  
00:08:22,930 --> 00:08:27,728  
big disruptive cheer was because we

186  
00:08:24,819 --> 00:08:29,379  
launched a Kickstarter which would allow

187  
00:08:27,728 --> 00:08:32,288  
me to hire an artist to help with the

188  
00:08:29,379 --> 00:08:34,269  
project that artist would be able to put

189  
00:08:32,288 --> 00:08:36,939  
out a comic strip every day so we're

190  
00:08:34,269 --> 00:08:39,939  
very excited and our initial kick

191  
00:08:36,940 --> 00:08:42,039  
funding kick funding kick-starting kick

192  
00:08:39,940 --> 00:08:44,520  
slammer our original original goal was

193  
00:08:42,038 --> 00:08:47,069  
met in three days

194  
00:08:44,519 --> 00:08:49,110  
we have another 27 days to continue to

195  
00:08:47,070 --> 00:08:50,550  
raise money and put it into the project

196  
00:08:49,110 --> 00:08:52,440  
stick with me we're going to walk

197  
00:08:50,549 --> 00:08:55,370  
through this double door here because

198  
00:08:52,440 --> 00:08:57,840  
the desert winds my friends are blowing

199  
00:08:55,370 --> 00:09:00,659  
was just sort of stepped into this aunty

200

00:08:57,840 --> 00:09:04,190  
room here that's insane out there it is

201  
00:09:00,659 --> 00:09:06,360  
that's absolutely insane so how many

202  
00:09:04,190 --> 00:09:08,280  
carbon dating comic strips have you

203  
00:09:06,360 --> 00:09:10,289  
created now oh there's been over a

204  
00:09:08,279 --> 00:09:13,769  
hundred and fifteen over the last year I

205  
00:09:10,289 --> 00:09:16,769  
do to a week to a week but that's quite

206  
00:09:13,769 --> 00:09:18,539  
something because if I don't know if our

207  
00:09:16,769 --> 00:09:21,000  
listeners have ever done this I've done

208  
00:09:18,539 --> 00:09:22,829  
it a few times I've actually written a

209  
00:09:21,000 --> 00:09:25,200  
comic strip through a magazine oh great

210  
00:09:22,830 --> 00:09:27,930  
as it happens I don't profess to be

211  
00:09:25,200 --> 00:09:31,110  
great at it but I have done it and it's

212  
00:09:27,929 --> 00:09:33,750  
not that easy to come up with a four or

213  
00:09:31,110 --> 00:09:36,240  
five over what in your four panels I do

214  
00:09:33,750 --> 00:09:38,340

three actually I went from more 23 but

215

00:09:36,240 --> 00:09:40,590

it's come up with with a funny and

216

00:09:38,340 --> 00:09:42,540

succinct point and to make a point with

217

00:09:40,590 --> 00:09:44,940

humor in three panels well then they's

218

00:09:42,539 --> 00:09:47,969

right to roar it was perfect time yeah

219

00:09:44,940 --> 00:09:50,730

but readers and the right it's not

220

00:09:47,970 --> 00:09:52,379

enough they really should have something

221

00:09:50,730 --> 00:09:54,480

every day if you're doing a comic strip

222

00:09:52,379 --> 00:09:56,789

and that's what I'm hoping to do so

223

00:09:54,480 --> 00:09:58,980

gives new respect when you read that the

224

00:09:56,789 --> 00:10:01,110

funnies in the newspaper it's amazing

225

00:09:58,980 --> 00:10:03,779

that they do that I mean these people

226

00:10:01,110 --> 00:10:05,700

you work very hard to not only come up

227

00:10:03,779 --> 00:10:08,159

with the creativity and the idea and the

228

00:10:05,700 --> 00:10:10,259

human but as you say the the artistic

229  
00:10:08,159 --> 00:10:13,139  
endeavor mm-hmm well I'm with an artist

230  
00:10:10,259 --> 00:10:14,610  
then i can write full-time and I can you

231  
00:10:13,139 --> 00:10:17,069  
know script it out and she can take care

232  
00:10:14,610 --> 00:10:19,110  
of the actual pencil and ink characters

233  
00:10:17,070 --> 00:10:21,810  
we've been working together so we'll

234  
00:10:19,110 --> 00:10:23,159  
have a great team and I'm excited that

235  
00:10:21,809 --> 00:10:24,449  
the Kickstarter is already at a point

236  
00:10:23,159 --> 00:10:27,600  
that we know that's going to happen

237  
00:10:24,450 --> 00:10:29,129  
that's fantastic I'm I you I wish I

238  
00:10:27,600 --> 00:10:30,480  
could do that for a living sometimes

239  
00:10:29,129 --> 00:10:32,429  
well I wish I could do it for a living

240  
00:10:30,480 --> 00:10:35,009  
too but that's not I'm a pilot this is

241  
00:10:32,429 --> 00:10:35,899  
this is a hobby that I just AM evening

242  
00:10:35,009 --> 00:10:38,740  
yeah

243

00:10:35,899 --> 00:10:41,049

a pilot yeah so this is this is a

244

00:10:38,740 --> 00:10:43,100

expensive hobby right now but hopefully

245

00:10:41,049 --> 00:10:44,809

hopefully with the Kickstarter can

246

00:10:43,100 --> 00:10:48,560

actually support itself that website

247

00:10:44,809 --> 00:10:51,529

again carbon comic com carbon comic com

248

00:10:48,559 --> 00:10:54,019

have a look folks and now you've met the

249

00:10:51,529 --> 00:10:56,199

man behind carbon dating thank you very

250

00:10:54,019 --> 00:10:56,199

much

251

00:11:00,500 --> 00:11:04,799

it's just one of those afternoons of the

252

00:11:03,059 --> 00:11:06,179

amazing meeting where people have just

253

00:11:04,799 --> 00:11:07,409

gone in for a session there are still a

254

00:11:06,179 --> 00:11:09,389

lot of people out here in the hall

255

00:11:07,409 --> 00:11:13,589

walking by the Australian skeptics table

256

00:11:09,389 --> 00:11:16,799

and I'm with Kathy Smith hi it says yes

257

00:11:13,590 --> 00:11:22,980  
I'm the Kathy Smith what does that Damon

258  
00:11:16,799 --> 00:11:26,789  
well it's a very common name oh and one

259  
00:11:22,980 --> 00:11:30,779  
of the workshops I was mentioned as an

260  
00:11:26,789 --> 00:11:33,419  
example as a blogger and that didn't

261  
00:11:30,779 --> 00:11:35,939  
want to blog you know and so she said my

262  
00:11:33,419 --> 00:11:38,069  
friend Kathy Smith you know and so

263  
00:11:35,940 --> 00:11:42,540  
that's the Kathy Smith she was referring

264  
00:11:38,070 --> 00:11:45,870  
to what's your blog I wrote a couple of

265  
00:11:42,539 --> 00:11:47,909  
articles on skeptic ink that the first

266  
00:11:45,870 --> 00:11:51,990  
one was on dietary supplements the

267  
00:11:47,909 --> 00:11:54,750  
second one was a flu vaccines and in the

268  
00:11:51,990 --> 00:11:58,169  
workplace for health care workers and

269  
00:11:54,750 --> 00:12:00,539  
the third one was about vitamins okay

270  
00:11:58,169 --> 00:12:02,819  
and I met you here last year at the

271  
00:12:00,539 --> 00:12:04,909

amazing yes I seem to remember singing

272

00:12:02,820 --> 00:12:08,940

songs with you long into the night

273

00:12:04,909 --> 00:12:11,129

natoma this is your second second tier

274

00:12:08,940 --> 00:12:16,020

second tab and what got you into

275

00:12:11,129 --> 00:12:18,320

skepticism oh wow um and y-you and then

276

00:12:16,019 --> 00:12:23,139

that road legend attempt right yeah

277

00:12:18,320 --> 00:12:28,610

well I was studying homeopathy really

278

00:12:23,139 --> 00:12:30,830

wow yeah we moved up from Texas to

279

00:12:28,610 --> 00:12:32,870

Michigan uh-huh and I was four months

280

00:12:30,830 --> 00:12:37,280

pregnant so I didn't want to find a job

281

00:12:32,870 --> 00:12:39,320

so his work offered me money towards

282

00:12:37,279 --> 00:12:43,490

either finding a job or towards

283

00:12:39,320 --> 00:12:47,320

education and you know I've had family

284

00:12:43,490 --> 00:12:50,750

being from Germany I've had family that

285

00:12:47,320 --> 00:12:54,950

always subscribed to homeopathy it's big

286  
00:12:50,750 --> 00:12:58,340  
over there yeah and as a pharmacist you

287  
00:12:54,950 --> 00:13:00,620  
know I was I was curious and the british

288  
00:12:58,340 --> 00:13:05,149  
institute of homeopathy offered the

289  
00:13:00,620 --> 00:13:09,259  
course especially for pharmacists and it

290  
00:13:05,149 --> 00:13:14,179  
was in the exact amount that the that my

291  
00:13:09,259 --> 00:13:16,189  
husband's job was offering oh there you

292  
00:13:14,179 --> 00:13:21,139  
go and i should definitely take this

293  
00:13:16,190 --> 00:13:23,930  
course and yeah it was kind of strange

294  
00:13:21,139 --> 00:13:30,529  
it was it didn't match anything that I

295  
00:13:23,929 --> 00:13:32,539  
learned in pharmacy school and and and

296  
00:13:30,529 --> 00:13:34,639  
yeah I was pending I guess I was pretty

297  
00:13:32,539 --> 00:13:38,899  
vulnerable you know that that a

298  
00:13:34,639 --> 00:13:41,059  
university would teach something I mean

299  
00:13:38,899 --> 00:13:43,309  
I if the university is teaching

300  
00:13:41,059 --> 00:13:48,799  
something I thought well it has to be

301  
00:13:43,309 --> 00:13:51,919  
true why would they right yeah but so I

302  
00:13:48,799 --> 00:13:53,698  
had I had a difficult time reconciling

303  
00:13:51,919 --> 00:13:57,868  
it

304  
00:13:53,698 --> 00:13:59,668  
so but so that was really something that

305  
00:13:57,869 --> 00:14:02,278  
sparked your interest in skepticism in

306  
00:13:59,668 --> 00:14:05,578  
general somehow I got led into

307  
00:14:02,278 --> 00:14:09,749  
skepticism I had a little iPod that my

308  
00:14:05,578 --> 00:14:12,778  
brother gave me and learned how to

309  
00:14:09,749 --> 00:14:16,290  
download podcast and I wanted to educate

310  
00:14:12,778 --> 00:14:19,318  
myself and things I was interested in

311  
00:14:16,289 --> 00:14:23,099  
and I came across across a mark Chris

312  
00:14:19,318 --> 00:14:26,458  
lip and whose webcast and I was hooked

313  
00:14:23,100 --> 00:14:28,769  
you know it's a good yeah good podcast I

314

00:14:26,458 --> 00:14:32,219  
was yeah and he mentioned skeptics guide

315  
00:14:28,769 --> 00:14:35,119  
to the universe yes yes and you know I

316  
00:14:32,220 --> 00:14:37,949  
feel like I'm part of their family yeah

317  
00:14:35,119 --> 00:14:39,600  
they're all they're all gone at they're

318  
00:14:37,948 --> 00:14:42,808  
usually on the table right right this

319  
00:14:39,600 --> 00:14:44,040  
yeah I think they've all even gone to

320  
00:14:42,808 --> 00:14:47,278  
hear the talk or they're recording

321  
00:14:44,039 --> 00:14:50,519  
something right now yeah so so yeah

322  
00:14:47,278 --> 00:14:53,428  
you're just one of the people that come

323  
00:14:50,519 --> 00:14:55,769  
along at am we met singing songs last

324  
00:14:53,428 --> 00:14:57,178  
year after over and it was really nice

325  
00:14:55,769 --> 00:14:59,308  
when I arrived and I was looking around

326  
00:14:57,178 --> 00:15:02,308  
and you turned up from there you were I

327  
00:14:59,308 --> 00:15:05,399  
was like okay I remember again that was

328  
00:15:02,308 --> 00:15:08,009

amazed at ya remembered me it's the

329

00:15:05,399 --> 00:15:10,619

singing that didn't know okay you speak

330

00:15:08,009 --> 00:15:14,609

German IRA yeah I was blown away that

331

00:15:10,619 --> 00:15:16,589

you remembered that well Kathy it's

332

00:15:14,609 --> 00:15:18,359

really great to see you here at dam and

333

00:15:16,589 --> 00:15:21,119

I hope you have a wonderful rest of the

334

00:15:18,359 --> 00:15:21,960

convention oh I'm having a blast so nice

335

00:15:21,119 --> 00:15:29,370

seeing you

336

00:15:21,960 --> 00:15:33,360

thank you if it isn't spoon equine hi

337

00:15:29,370 --> 00:15:34,830

hey Richard what's up oh I'm it's the

338

00:15:33,360 --> 00:15:36,480

last day of town well it's not it's

339

00:15:34,830 --> 00:15:38,940

actually it's the day after the last day

340

00:15:36,480 --> 00:15:41,700

of town is done here nigga Lamar the

341

00:15:38,940 --> 00:15:43,530

morning after suitcases are packed

342

00:15:41,700 --> 00:15:47,580

people sitting around it's that sort of

343  
00:15:43,529 --> 00:15:50,370  
a day now Spooky you are I know a

344  
00:15:47,580 --> 00:15:55,230  
particular fan of the the adventure

345  
00:15:50,370 --> 00:16:00,960  
solar flare I am yes I I think it is

346  
00:15:55,230 --> 00:16:04,230  
quite inventive yes in finding in the

347  
00:16:00,960 --> 00:16:05,790  
clever yes you and you did something

348  
00:16:04,230 --> 00:16:09,060  
really nice you actually drew a portrait

349  
00:16:05,789 --> 00:16:11,849  
of me as Captain Saunders of the solar

350  
00:16:09,059 --> 00:16:13,799  
flare on the bridge in my uniform and

351  
00:16:11,850 --> 00:16:16,200  
it's really fantastic and I think you're

352  
00:16:13,799 --> 00:16:17,969  
also working on another one where the

353  
00:16:16,200 --> 00:16:21,509  
solar flare crew are being attacked by

354  
00:16:17,970 --> 00:16:24,090  
the flying monkeys yes I am um I I kind

355  
00:16:21,509 --> 00:16:26,669  
of me I had like a lot of chaotic things

356  
00:16:24,090 --> 00:16:29,070  
going on in my life and I and I'm like

357  
00:16:26,669 --> 00:16:31,349  
this close to being done but like I had

358  
00:16:29,070 --> 00:16:33,120  
it packed up and I couldn't finish it

359  
00:16:31,350 --> 00:16:34,920  
but I'll have I'll have to send it to

360  
00:16:33,120 --> 00:16:38,759  
you I haven't wanted to see this in

361  
00:16:34,919 --> 00:16:40,469  
person oh yes you seamless photos now

362  
00:16:38,759 --> 00:16:42,210  
we're Spooky is actually showing you

363  
00:16:40,470 --> 00:16:44,759  
some of her current art collection you a

364  
00:16:42,210 --> 00:16:46,379  
speedy you've been coming to a cam now

365  
00:16:44,759 --> 00:16:49,049  
for three years something like that yeah

366  
00:16:46,379 --> 00:16:51,779  
yeah and you keep coming back so i guess

367  
00:16:49,049 --> 00:16:54,179  
you enjoy it oh yes I I wouldn't miss it

368  
00:16:51,779 --> 00:16:56,459  
for the world i mean even though i was

369  
00:16:54,179 --> 00:16:58,439  
packing like I you know was going to

370  
00:16:56,460 --> 00:17:00,389  
court with the crazy landlords and

371

00:16:58,440 --> 00:17:02,220  
packing up my stuff I didn't have a

372  
00:17:00,389 --> 00:17:05,009  
place to live when I came here I was

373  
00:17:02,220 --> 00:17:07,230  
like but I'm still going to tan right

374  
00:17:05,009 --> 00:17:08,849  
and now I at least I i also have a place

375  
00:17:07,230 --> 00:17:11,190  
to move into so that's that's cool so

376  
00:17:08,849 --> 00:17:15,000  
when when i get my art stuff i will

377  
00:17:11,190 --> 00:17:16,259  
unpack my drawings i see i well that's

378  
00:17:15,000 --> 00:17:18,230  
is something that's just something i'm

379  
00:17:16,259 --> 00:17:21,039  
glad you enjoyed cam again this year and

380  
00:17:18,230 --> 00:17:25,809  
well I who knows maybe you'll see

381  
00:17:21,039 --> 00:17:28,629  
in 1 2015 I hope so I really do I'm

382  
00:17:25,809 --> 00:17:31,750  
planning on it now sprinting I think

383  
00:17:28,630 --> 00:17:34,030  
you've got a blog tension yes it's

384  
00:17:31,750 --> 00:17:35,890  
called mad science writer so you can put

385  
00:17:34,029 --> 00:17:38,589

your mad science writings and cooks down

386

00:17:35,890 --> 00:17:40,240

on your blog there I do although life

387

00:17:38,589 --> 00:17:42,609

has been completely hectic I haven't

388

00:17:40,240 --> 00:17:46,269

been able to UM that much recently

389

00:17:42,609 --> 00:17:49,179

actually um but I'm fully planning on it

390

00:17:46,269 --> 00:17:52,210

and in my new place hopefully I'm just

391

00:17:49,180 --> 00:17:54,340

able to get my brains together dr. Karl

392

00:17:52,210 --> 00:17:56,950

cruise in ski I was actually discussing

393

00:17:54,339 --> 00:18:01,329

this with him and he was encouraging me

394

00:17:56,950 --> 00:18:05,049

to uh to uh well how good writing habits

395

00:18:01,329 --> 00:18:07,720

that's good on a lot of people were like

396

00:18:05,049 --> 00:18:09,430

running right all the time yeah when he

397

00:18:07,720 --> 00:18:11,200

was here dr. Carr was a really popular

398

00:18:09,430 --> 00:18:13,029

man and I was very pleased because a lot

399

00:18:11,200 --> 00:18:17,650

of Americans don't know who he is but

400  
00:18:13,029 --> 00:18:20,649  
after Camelot did he see everybody's

401  
00:18:17,650 --> 00:18:23,110  
running his influence yes he's off he's

402  
00:18:20,650 --> 00:18:26,230  
very awesome you know Carl was writing

403  
00:18:23,109 --> 00:18:28,569  
all through tam and he wrote who this he

404  
00:18:26,230 --> 00:18:31,720  
like rewrote his talk or something while

405  
00:18:28,569 --> 00:18:33,549  
at tammer he did yes the sort of better

406  
00:18:31,720 --> 00:18:35,500  
sort of man he is and spinning this is a

407  
00:18:33,549 --> 00:18:38,980  
sort of person people meet when they

408  
00:18:35,500 --> 00:18:41,799  
come into the amazing media it is and I

409  
00:18:38,980 --> 00:18:57,700  
am also the kind of person people meet

410  
00:18:41,799 --> 00:18:59,109  
thanks Rudy and yes okay hi I'm Finn and

411  
00:18:57,700 --> 00:19:01,210  
I'm Rebecca and where the skipper

412  
00:18:59,109 --> 00:19:03,129  
Collins skipper Collins is an Irish

413  
00:19:01,210 --> 00:19:04,840  
podcast by the Dublin skeptics society

414  
00:19:03,130 --> 00:19:06,790  
it takes a conversational reverent look

415  
00:19:04,839 --> 00:19:08,409  
at science news and skeptical topics

416  
00:19:06,789 --> 00:19:13,740  
from an Irish perspective you can find

417  
00:19:08,410 --> 00:19:13,740  
us at WWDC arrogance calm

418  
00:19:24,710 --> 00:19:29,308  
this is Bob blaskowitz from the Houston

419  
00:19:27,329 --> 00:19:32,159  
cancer quack calm and the virtual

420  
00:19:29,308 --> 00:19:34,019  
skeptics I want to update skeptic zone

421  
00:19:32,160 --> 00:19:35,970  
listeners to the state of the Burzynski

422  
00:19:34,019 --> 00:19:36,869  
effort in the United States is there

423  
00:19:35,970 --> 00:19:38,700  
have been a number of positive

424  
00:19:36,869 --> 00:19:40,859  
developments in the last few weeks that

425  
00:19:38,700 --> 00:19:42,450  
suggests that the Texas Medical Board is

426  
00:19:40,859 --> 00:19:44,490  
throwing everything that they have at

427  
00:19:42,450 --> 00:19:47,160  
the Burzynski clinic Stanislaw Burzynski

428

00:19:44,490 --> 00:19:49,140  
as you may know is the Houston cancer

429  
00:19:47,160 --> 00:19:51,929  
quack who sells off-label urea cycle

430  
00:19:49,140 --> 00:19:53,400  
drugs as an alternative chemotherapy to

431  
00:19:51,929 --> 00:19:55,890  
patients with the most intractable

432  
00:19:53,400 --> 00:19:58,830  
childhood brain stem tumors under the

433  
00:19:55,890 --> 00:20:00,450  
auspices of over 60 fifteen-year-old

434  
00:19:58,829 --> 00:20:02,308  
clinical trials that have never

435  
00:20:00,450 --> 00:20:04,470  
generated meaningful results and that

436  
00:20:02,308 --> 00:20:06,690  
can cost patients upwards of thirty

437  
00:20:04,470 --> 00:20:08,308  
thousand dollars to begin patients were

438  
00:20:06,690 --> 00:20:10,289  
not on his apparently unpublishable

439  
00:20:08,308 --> 00:20:12,629  
trials can enter Burzynski's private

440  
00:20:10,289 --> 00:20:15,210  
practice where he prescribes cocktails

441  
00:20:12,630 --> 00:20:16,890  
of low-dose chemotherapy and always a

442  
00:20:15,210 --> 00:20:19,620

sodium than Oh butyrate which he

443

00:20:16,890 --> 00:20:21,330  
manufactures he does this on the basis

444

00:20:19,619 --> 00:20:24,149  
of the equivalent of genetic palm

445

00:20:21,329 --> 00:20:27,599  
reading he calls this personalized

446

00:20:24,150 --> 00:20:30,120  
targeted gene therapy on the heels of

447

00:20:27,599 --> 00:20:32,339  
the FDA's baffling decision to allow

448

00:20:30,119 --> 00:20:34,379  
Burzynski's ridiculous trials to proceed

449

00:20:32,339 --> 00:20:36,959  
three documents have been released by

450

00:20:34,380 --> 00:20:38,910  
the Texas Medical Board the first is a

451

00:20:36,960 --> 00:20:41,370  
ruling on the part of the board that

452

00:20:38,910 --> 00:20:44,130  
Brezinski is employee dr. robert weaver

453

00:20:41,369 --> 00:20:46,349  
had been disciplined Weaver as small

454

00:20:44,130 --> 00:20:48,000  
potatoes in the Burzynski saga but what

455

00:20:46,349 --> 00:20:50,308  
was most interesting to me about this

456

00:20:48,000 --> 00:20:51,960  
ruling is how the Texas Medical Board

457  
00:20:50,308 --> 00:20:55,649  
described the relationship between

458  
00:20:51,960 --> 00:20:58,679  
brzezinski Weaver and patient care first

459  
00:20:55,650 --> 00:21:01,140  
quote respondent Weaver and his employer

460  
00:20:58,679 --> 00:21:02,640  
dr. Stanislaw Burzynski implemented

461  
00:21:01,140 --> 00:21:04,320  
multiple therapies which had

462  
00:21:02,640 --> 00:21:06,840  
insufficient evidence of clinical

463  
00:21:04,319 --> 00:21:09,859  
efficacy and high probability of

464  
00:21:06,839 --> 00:21:12,509  
additive toxicities and second

465  
00:21:09,859 --> 00:21:14,669  
respondent admitted that he participated

466  
00:21:12,509 --> 00:21:16,890  
in regular meetings with dr. Burzynski

467  
00:21:14,670 --> 00:21:19,259  
to discuss the patient's case and to

468  
00:21:16,890 --> 00:21:22,830  
formulate a treatment plan describing

469  
00:21:19,259 --> 00:21:24,839  
the process as a quote team effort the

470  
00:21:22,829 --> 00:21:26,428  
latter findings an important point given

471  
00:21:24,839 --> 00:21:27,419  
how Pierzynski slithered away from the

472  
00:21:26,429 --> 00:21:29,730  
last round of

473  
00:21:27,420 --> 00:21:31,470  
medical board actions he claimed that he

474  
00:21:29,730 --> 00:21:33,779  
wasn't treating patients that his

475  
00:21:31,470 --> 00:21:36,059  
employees were essentially throwing them

476  
00:21:33,779 --> 00:21:37,920  
under the bus it seems to me that Weaver

477  
00:21:36,059 --> 00:21:39,809  
has been cooperating and that I think

478  
00:21:37,920 --> 00:21:42,180  
bodes well for the board's upcoming

479  
00:21:39,809 --> 00:21:45,059  
actions against Brzezinski the next

480  
00:21:42,180 --> 00:21:47,039  
document dated june thirteenth outlines

481  
00:21:45,059 --> 00:21:48,599  
a series of charges leveled against

482  
00:21:47,039 --> 00:21:52,259  
another britain ski clinic employee

483  
00:21:48,599 --> 00:21:54,509  
doctors gin ye again we see charges

484  
00:21:52,259 --> 00:21:57,269  
related to a patient on the so-called

485

00:21:54,509 --> 00:21:59,460  
targeted gene therapy track there are

486  
00:21:57,269 --> 00:22:01,769  
charges of ordering unnecessary tests

487  
00:21:59,460 --> 00:22:03,569  
failure to provide medical rationales

488  
00:22:01,769 --> 00:22:06,029  
for the tests prescribing drugs with

489  
00:22:03,569 --> 00:22:08,099  
overlapping toxicity profiles again

490  
00:22:06,029 --> 00:22:10,649  
without medical rationale and non

491  
00:22:08,099 --> 00:22:12,959  
therapeutical prescribing of the Brazil

492  
00:22:10,650 --> 00:22:15,840  
ski clinic signature drug sodium fennel

493  
00:22:12,960 --> 00:22:18,480  
beauty which as I said is manufactured

494  
00:22:15,839 --> 00:22:22,259  
by Yi's employer again this is another

495  
00:22:18,480 --> 00:22:24,809  
good sign the last document was released

496  
00:22:22,259 --> 00:22:27,359  
during the amazing meeting and it was a

497  
00:22:24,809 --> 00:22:29,279  
humdinger here's how a thousand tam

498  
00:22:27,359 --> 00:22:32,719  
goers responded when George Rob

499  
00:22:29,279 --> 00:22:32,720

announced its release

500

00:22:37,019 --> 00:22:42,700

cindy texas medical order at least two

501

00:22:40,298 --> 00:22:52,079

hundred two pages of charges against the

502

00:22:42,700 --> 00:22:54,940

houston cancer plan for next week as

503

00:22:52,079 --> 00:22:57,730

outlined by liz szabo and USA Today this

504

00:22:54,940 --> 00:22:59,619

weekend the new charges apply to 29

505

00:22:57,730 --> 00:23:01,089

patients including charges that he

506

00:22:59,618 --> 00:23:03,668

deceived patients in a number of ways

507

00:23:01,089 --> 00:23:05,709

including and I quote by making patients

508

00:23:03,669 --> 00:23:07,809

pay a retainer before receiving any

509

00:23:05,710 --> 00:23:10,600

diagnosis or treatment by performing

510

00:23:07,808 --> 00:23:12,788

unnecessary tests and non therapeutic

511

00:23:10,599 --> 00:23:15,788

treatment with no potential to help them

512

00:23:12,788 --> 00:23:17,769

by imposing exorbitant charges for drugs

513

00:23:15,788 --> 00:23:19,868

and lab tests without telling patients

514  
00:23:17,769 --> 00:23:22,778  
that he also owned the pharmacy and the

515  
00:23:19,868 --> 00:23:24,668  
lab being used by allowing unlicensed

516  
00:23:22,778 --> 00:23:27,398  
staff to treat patients while describing

517  
00:23:24,669 --> 00:23:29,470  
the staff as doctors Burzynski also

518  
00:23:27,398 --> 00:23:31,719  
prescribed unapproved combinations of

519  
00:23:29,470 --> 00:23:34,118  
highly toxic chemotherapy in ways that

520  
00:23:31,720 --> 00:23:36,579  
caused harm to several patients end

521  
00:23:34,118 --> 00:23:37,959  
quote this is encouraging and I like to

522  
00:23:36,579 --> 00:23:39,368  
think that the pressure that skeptics

523  
00:23:37,960 --> 00:23:41,139  
have put on the Medical Board has

524  
00:23:39,368 --> 00:23:43,689  
contributed to the new charges and the

525  
00:23:41,138 --> 00:23:46,269  
vigor with which brzezinski is currently

526  
00:23:43,690 --> 00:23:48,009  
being pursued listeners in the states

527  
00:23:46,269 --> 00:23:50,138  
can contact the representatives again

528  
00:23:48,009 --> 00:23:51,970  
and bring the new USA Today article to

529  
00:23:50,138 --> 00:23:54,969  
their attention to demonstrate the

530  
00:23:51,970 --> 00:23:56,528  
gravity of this situation and please

531  
00:23:54,970 --> 00:23:58,839  
send any formal response you received

532  
00:23:56,528 --> 00:24:02,589  
from your representatives to the email

533  
00:23:58,839 --> 00:24:04,028  
address skeptics protect @ gmail.com the

534  
00:24:02,589 --> 00:24:05,949  
skeptics for the protection of cancer

535  
00:24:04,028 --> 00:24:08,950  
patients will forward those responses to

536  
00:24:05,950 --> 00:24:11,080  
Senator McCaskill office if you live in

537  
00:24:08,950 --> 00:24:12,759  
the state of Texas you should contact

538  
00:24:11,079 --> 00:24:14,918  
the governor's office about this

539  
00:24:12,759 --> 00:24:17,108  
Burzynski is well-connected politically

540  
00:24:14,919 --> 00:24:18,989  
and we just want to make sure the office

541  
00:24:17,108 --> 00:24:21,249  
knows that we're watching very closely

542

00:24:18,989 --> 00:24:23,470  
thank you very much for all you've done

543  
00:24:21,249 --> 00:24:25,989  
and for all that you will do we are

544  
00:24:23,470 --> 00:24:27,819  
making a difference this is Bob

545  
00:24:25,989 --> 00:24:31,739  
blaskowitz from the Houston cancer quack

546  
00:24:27,819 --> 00:24:31,739  
calm and the virtual skeptics

547  
00:24:42,480 --> 00:24:44,539  
you

548  
00:24:48,269 --> 00:24:53,440  
hi I'm audit oh yeah I Kristen or we

549  
00:24:51,640 --> 00:24:55,150  
will tips advice on logic lifted off the

550  
00:24:53,440 --> 00:24:57,130  
skeptics ohm ohm skip the comedian or

551  
00:24:55,150 --> 00:24:59,019  
again the finish k blog gear upper bleph

552  
00:24:57,130 --> 00:25:00,190  
a podcast of ran against capsis driven

553  
00:24:59,019 --> 00:25:02,529  
you looking for a method actor is mack

554  
00:25:00,190 --> 00:25:04,870  
center of a step sister n law or

555  
00:25:02,529 --> 00:25:06,668  
hypothesis the deep plane or kitchen and

556  
00:25:04,869 --> 00:25:08,019

calendar or escape disc after death at

557

00:25:06,669 --> 00:25:10,090

all i need you till on will escape this

558

00:25:08,019 --> 00:25:11,440

Gossage escapes his blog in a plethora d

559

00:25:10,089 --> 00:25:13,089

Emily or the disc aterses heavy APIs

560

00:25:11,440 --> 00:25:16,538

guesses for domestic Kingdom or dare to

561

00:25:13,089 --> 00:25:19,269

yourself Skip's is top angle hello I'm

562

00:25:16,538 --> 00:25:20,650

moderate and I'm Kristin and we want to

563

00:25:19,269 --> 00:25:22,298

let you know that there are lots of

564

00:25:20,650 --> 00:25:24,220

Norwegian skeptics for you to get to

565

00:25:22,298 --> 00:25:26,139

know their blogs and permits and a

566

00:25:24,220 --> 00:25:27,610

podcast and the Norwegian skeptics also

567

00:25:26,140 --> 00:25:29,559

do paranormal tests and consumer

568

00:25:27,609 --> 00:25:32,439

activism to find out more Google

569

00:25:29,558 --> 00:25:34,500

Norwegian skeptics or visit skep season

570

00:25:32,440 --> 00:25:34,500

0

571  
00:25:40,240 --> 00:25:45,799  
welcome to a week in science from our

572  
00:25:43,160 --> 00:25:48,680  
iOS bring you the science you need to

573  
00:25:45,799 --> 00:25:51,109  
know genetically modified organisms or

574  
00:25:48,680 --> 00:25:57,049  
GMOs are rapidly becoming part of our

575  
00:25:51,109 --> 00:25:59,119  
food chain but are they safe GMOs are

576  
00:25:57,049 --> 00:26:01,639  
plants or animals that have had their

577  
00:25:59,119 --> 00:26:05,089  
genetic code manipulated through genetic

578  
00:26:01,640 --> 00:26:07,880  
engineering a leading myth about GMOs is

579  
00:26:05,089 --> 00:26:10,519  
that rats fed on corn modified to be

580  
00:26:07,880 --> 00:26:12,980  
resistant to a weed killer go on to

581  
00:26:10,519 --> 00:26:15,769  
develop cancer this stems from a paper

582  
00:26:12,980 --> 00:26:18,200  
published in 2012 by a French research

583  
00:26:15,769 --> 00:26:20,269  
group but the project was so poorly

584  
00:26:18,200 --> 00:26:22,789  
conducted including using rats

585  
00:26:20,269 --> 00:26:25,779  
predisposed to getting cancer that the

586  
00:26:22,789 --> 00:26:29,029  
journal retracted the paper in 2013

587  
00:26:25,779 --> 00:26:31,509  
furthermore no independent test has been

588  
00:26:29,029 --> 00:26:35,539  
able to replicate the study's findings

589  
00:26:31,509 --> 00:26:38,420  
an internet mean doing the rounds

590  
00:26:35,539 --> 00:26:41,000  
suggests that GMOs are responsible for

591  
00:26:38,420 --> 00:26:43,100  
killing off the humble honey bee while

592  
00:26:41,000 --> 00:26:44,750  
it's true that honey bee numbers have

593  
00:26:43,099 --> 00:26:47,659  
been in steep decline across the

594  
00:26:44,750 --> 00:26:50,630  
Americas and Europe this is not jus to

595  
00:26:47,660 --> 00:26:52,940  
GM crops the argument put forward is

596  
00:26:50,630 --> 00:26:55,820  
that some GMOs have a built-in

597  
00:26:52,940 --> 00:26:58,940  
insecticide called bt toxin that's

598  
00:26:55,819 --> 00:27:01,759  
killing the bees but bt toxin is

599

00:26:58,940 --> 00:27:05,210  
considered to be safe because it only

600  
00:27:01,759 --> 00:27:07,730  
kills insects that eat the plant not the

601  
00:27:05,210 --> 00:27:10,309  
bees which pollinate them in fact many

602  
00:27:07,730 --> 00:27:13,069  
beekeepers spray their hives with bt

603  
00:27:10,309 --> 00:27:16,460  
toxin to get rid of other pest species

604  
00:27:13,069 --> 00:27:20,069  
while leaving the bees alone now for

605  
00:27:16,460 --> 00:27:24,240  
fast facts about GMO safety

606  
00:27:20,069 --> 00:27:26,480  
a recent count reveals over 33,000

607  
00:27:24,240 --> 00:27:30,240  
peer-reviewed papers have been published

608  
00:27:26,480 --> 00:27:32,849  
investigating the safety of GMOs to date

609  
00:27:30,240 --> 00:27:35,700  
no serious problem has been identified

610  
00:27:32,849 --> 00:27:38,250  
it's a myth that oils sugars and other

611  
00:27:35,700 --> 00:27:40,950  
extracts from GMOs are somehow different

612  
00:27:38,250 --> 00:27:43,500  
from those derived from non-gmo crops

613  
00:27:40,950 --> 00:27:45,809

despite early predictions that genetic

614

00:27:43,500 --> 00:27:48,569

engineering would produce uncontrollable

615

00:27:45,809 --> 00:27:51,299

monsters or dangerous side effects to

616

00:27:48,569 --> 00:27:53,519

date none have been found and fears that

617

00:27:51,299 --> 00:27:56,549

GMO traits can escape into world

618

00:27:53,519 --> 00:27:59,460

populations are unfounded after more

619

00:27:56,549 --> 00:28:02,309

than 20 years of GMO technology it's

620

00:27:59,460 --> 00:28:05,039

never happened we've only considered the

621

00:28:02,309 --> 00:28:08,009

science and safety of GMOs and the

622

00:28:05,039 --> 00:28:10,200

science is in their safe but there are

623

00:28:08,009 --> 00:28:12,569

other concerns about corporatization of

624

00:28:10,200 --> 00:28:14,220

the food supply and the political and

625

00:28:12,569 --> 00:28:17,220

social handling of the introduction of

626

00:28:14,220 --> 00:28:19,950

GMOs that do require further discussion

627

00:28:17,220 --> 00:28:24,690

you want to know more about GMO safety

628  
00:28:19,950 --> 00:28:28,170  
go to the rirs website RI au s org a you

629  
00:28:24,690 --> 00:28:30,690  
follow us on twitter at our iOS and like

630  
00:28:28,170 --> 00:28:33,620  
us on Facebook I'm Paul Willis will

631  
00:28:30,690 --> 00:28:33,620  
catch you back here next week

632  
00:28:37,329 --> 00:28:48,730  
on Maynard com don't you hey you

633  
00:28:57,690 --> 00:29:04,000  
bunga bunga bunga bunga on today's show

634  
00:29:02,200 --> 00:29:07,039  
amazing facts and things you never knew

635  
00:29:04,000 --> 00:29:11,269  
with myself may not end to

636  
00:29:07,039 --> 00:29:13,309  
I thought we'd use the Avengers theme

637  
00:29:11,269 --> 00:29:15,650  
from the movie because you'd be pretty

638  
00:29:13,309 --> 00:29:17,960  
safe that no one saw the Avengers movie

639  
00:29:15,650 --> 00:29:20,690  
they gave me their stuff which the

640  
00:29:17,960 --> 00:29:23,660  
doctor described has the drug that

641  
00:29:20,690 --> 00:29:26,990  
killed Michael Jackson and I thought oh

642  
00:29:23,660 --> 00:29:29,300  
well that's company it was a party but I

643  
00:29:26,990 --> 00:29:31,430  
wasn't invited isn't modern medicine

644  
00:29:29,299 --> 00:29:33,919  
great Oh modern medicine is just the

645  
00:29:31,430 --> 00:29:35,810  
bee's knees you think of people who say

646  
00:29:33,920 --> 00:29:37,490  
yeah the great thing about this is

647  
00:29:35,809 --> 00:29:41,299  
they've been taking it for centuries

648  
00:29:37,490 --> 00:29:43,039  
like in 3000 BC people were taking this

649  
00:29:41,299 --> 00:29:45,049  
for the common cold what they're saying

650  
00:29:43,039 --> 00:29:46,849  
is hard to understand because they're

651  
00:29:45,049 --> 00:29:48,740  
speaking through a nose of snot that

652  
00:29:46,849 --> 00:30:04,039  
will remain for at least three week on

653  
00:29:48,740 --> 00:30:10,720  
Maynard calm don't you hey you here's

654  
00:30:04,039 --> 00:30:10,720  
may not spooky action at the distance

655  
00:30:11,069 --> 00:30:15,369  
I'll start my first question I'm here

656

00:30:13,269 --> 00:30:17,500  
with John Bell a pharmacist and keynote

657  
00:30:15,369 --> 00:30:18,939  
speaker here today what your history is

658  
00:30:17,500 --> 00:30:20,980  
a farmers as to how many years have you

659  
00:30:18,940 --> 00:30:22,480  
been we know giving out the tablets and

660  
00:30:20,980 --> 00:30:24,849  
mixing stuff behind the screen well I

661  
00:30:22,480 --> 00:30:26,829  
I've been the pharmacist in community

662  
00:30:24,849 --> 00:30:30,668  
practice for over 40 years now manor

663  
00:30:26,829 --> 00:30:33,069  
sent a lot of changes of course and as

664  
00:30:30,669 --> 00:30:35,470  
you implied initially it was just giving

665  
00:30:33,069 --> 00:30:37,178  
the tablets it's still that is still

666  
00:30:35,470 --> 00:30:39,100  
dispensing and providing

667  
00:30:37,179 --> 00:30:41,259  
non-prescription medicines but these

668  
00:30:39,099 --> 00:30:43,750  
days very much more so it's providing

669  
00:30:41,259 --> 00:30:46,750  
advice to make sure the medication is

670  
00:30:43,750 --> 00:30:48,250

used in the best possible way and the

671

00:30:46,750 --> 00:30:50,648

side effects are minimized because we

672

00:30:48,250 --> 00:30:52,538

know with every medication there's an

673

00:30:50,648 --> 00:30:54,428

advantage in the disadvantage so we need

674

00:30:52,538 --> 00:30:56,259

to optimize the benefits minimize the

675

00:30:54,429 --> 00:30:57,429

risks yeah well usually if it hasn't

676

00:30:56,259 --> 00:30:58,870

gotten any side effects it hasn't

677

00:30:57,429 --> 00:31:00,879

actually got any effect that's

678

00:30:58,869 --> 00:31:03,038

absolutely right we know that everything

679

00:31:00,878 --> 00:31:06,369

that works has the potential to do some

680

00:31:03,038 --> 00:31:09,339

damage and most of the time not much

681

00:31:06,369 --> 00:31:11,798

damage but but of course the more potent

682

00:31:09,339 --> 00:31:13,959

medicines the the the more likely they

683

00:31:11,798 --> 00:31:15,759

are to cause some problems if they're

684

00:31:13,960 --> 00:31:18,069

not used properly what if people

685  
00:31:15,759 --> 00:31:19,899  
sometimes get stuck into the alternative

686  
00:31:18,069 --> 00:31:21,878  
side of medicine and sometimes delay

687  
00:31:19,898 --> 00:31:23,258  
actual medicine sometimes that can

688  
00:31:21,878 --> 00:31:25,028  
happen they go I'll try this alternative

689  
00:31:23,259 --> 00:31:27,519  
treatment and that can actually not work

690  
00:31:25,028 --> 00:31:29,398  
or delay proper treatment hi I think

691  
00:31:27,519 --> 00:31:31,089  
it's really important to know that

692  
00:31:29,398 --> 00:31:33,729  
unfortunately there are medicines that

693  
00:31:31,089 --> 00:31:35,558  
work and those that don't and and that

694  
00:31:33,730 --> 00:31:39,399  
those that don't often fall into that

695  
00:31:35,558 --> 00:31:42,190  
alternative group and sometimes they do

696  
00:31:39,398 --> 00:31:44,678  
they don't do any harm but the harm they

697  
00:31:42,190 --> 00:31:48,610  
can do of course as you've indicated is

698  
00:31:44,679 --> 00:31:50,798  
delaying good treatment so our

699  
00:31:48,609 --> 00:31:52,508  
recommendation of course is always to to

700  
00:31:50,798 --> 00:31:54,220  
get your pharmacist advice whether it's

701  
00:31:52,509 --> 00:31:55,870  
a prescription product or non

702  
00:31:54,220 --> 00:31:57,639  
prescription medicine to make sure that

703  
00:31:55,869 --> 00:32:00,069  
you're using something that really works

704  
00:31:57,638 --> 00:32:01,719  
for you mmm I'm just trying to think of

705  
00:32:00,069 --> 00:32:03,849  
actual medicines over the years that

706  
00:32:01,720 --> 00:32:05,950  
have but there was a there was a weight

707  
00:32:03,849 --> 00:32:07,990  
loss pill that took fat out of your body

708  
00:32:05,950 --> 00:32:09,278  
if you years ago and I think it's still

709  
00:32:07,990 --> 00:32:11,528  
around i'm not going to mention it and

710  
00:32:09,278 --> 00:32:13,359  
it did have some nasty side effects that

711  
00:32:11,528 --> 00:32:14,558  
it's probably not prescribe very much

712  
00:32:13,359 --> 00:32:17,408  
anymore you know that I'm talking about

713

00:32:14,558 --> 00:32:20,528  
I do indeed look look that the side

714  
00:32:17,409 --> 00:32:22,299  
effect was actually a an effect

715  
00:32:20,528 --> 00:32:23,430  
associated with its benefit as well it

716  
00:32:22,298 --> 00:32:25,319  
took that out but of

717  
00:32:23,430 --> 00:32:27,360  
has to go somewhere it certainly does

718  
00:32:25,319 --> 00:32:29,250  
and and and that could lead to very

719  
00:32:27,359 --> 00:32:32,459  
nasty uncomfortable side effects that

720  
00:32:29,250 --> 00:32:34,019  
we're not not only uncomfortable but may

721  
00:32:32,460 --> 00:32:37,380  
be disconcerting for the people around

722  
00:32:34,019 --> 00:32:39,660  
you as well so yeah look at that

723  
00:32:37,380 --> 00:32:41,850  
medication is still used and it was used

724  
00:32:39,660 --> 00:32:43,830  
appropriately it can work well but I

725  
00:32:41,849 --> 00:32:46,500  
think that that's the secret the things

726  
00:32:43,829 --> 00:32:49,139  
need to be used appropriately they need

727  
00:32:46,500 --> 00:32:51,809

to be used with due care and in many

728

00:32:49,140 --> 00:32:53,509

medications which when used properly it

729

00:32:51,809 --> 00:32:56,519

can be very effective if used

730

00:32:53,509 --> 00:32:58,140

inappropriately or too much not at

731

00:32:56,519 --> 00:33:00,359

the right time then they can certainly

732

00:32:58,140 --> 00:33:02,070

cause very nasty effects mmm look with

733

00:33:00,359 --> 00:33:04,379

all your use of pharmacy do you think

734

00:33:02,069 --> 00:33:06,119

we've become as a society a little bit

735

00:33:04,380 --> 00:33:08,160

expecting the magic bullet for

736

00:33:06,119 --> 00:33:09,479

everything and this has led to the over

737

00:33:08,160 --> 00:33:11,310

prescription of antibiotics which I'm

738

00:33:09,480 --> 00:33:12,569

sure you're across and that sort of

739

00:33:11,309 --> 00:33:14,009

thing we think we expect pills to be

740

00:33:12,569 --> 00:33:15,480

able to cure everything now when in fact

741

00:33:14,009 --> 00:33:17,759

maybe we should get off our button do

742  
00:33:15,480 --> 00:33:19,200  
some exercise occasionally well we're

743  
00:33:17,759 --> 00:33:21,089  
looking for the quick fix always aren't

744  
00:33:19,200 --> 00:33:24,750  
we and that and that really there is no

745  
00:33:21,089 --> 00:33:27,089  
miracle cure exercise regular exercise

746  
00:33:24,750 --> 00:33:30,319  
good nutrition really important hygiene

747  
00:33:27,089 --> 00:33:33,269  
of course and you mentioned antibiotics

748  
00:33:30,319 --> 00:33:35,730  
we have become all illicitly the bugs

749  
00:33:33,269 --> 00:33:37,829  
have become resistant to them and to a

750  
00:33:35,730 --> 00:33:40,170  
large extent they don't work anymore for

751  
00:33:37,829 --> 00:33:42,299  
some of the serious conditions we need

752  
00:33:40,170 --> 00:33:44,730  
to be very careful the way we use

753  
00:33:42,299 --> 00:33:46,680  
antibiotics particularly for things like

754  
00:33:44,730 --> 00:33:49,380  
upper respiratory tract infections i'm

755  
00:33:46,680 --> 00:33:52,080  
thinking of colds and flu my own by and

756  
00:33:49,380 --> 00:33:54,330  
large antibiotics don't work there so

757  
00:33:52,079 --> 00:33:57,449  
symptomatic treatment and

758  
00:33:54,329 --> 00:33:58,769  
anti-inflammatory lozenge may be a pain

759  
00:33:57,450 --> 00:34:00,809  
reliever perhaps a decongestant

760  
00:33:58,769 --> 00:34:02,730  
depending on the symptoms but

761  
00:34:00,809 --> 00:34:04,500  
antibiotics are not effective and

762  
00:34:02,730 --> 00:34:06,980  
they're causing more problems by

763  
00:34:04,500 --> 00:34:12,539  
becoming by encouraging resistant

764  
00:34:06,980 --> 00:34:14,219  
organisms then their use so antibiotic

765  
00:34:12,539 --> 00:34:16,440  
stewardship as we call it really

766  
00:34:14,219 --> 00:34:18,719  
important if you've got a cold or the

767  
00:34:16,440 --> 00:34:21,119  
flu kadia pharmacist first get some

768  
00:34:18,719 --> 00:34:24,029  
symptomatic treatment antibiotics of no

769  
00:34:21,119 --> 00:34:27,539  
use but the good nutrition as we talked

770

00:34:24,030 --> 00:34:28,740  
about earlier so good healthy balanced

771  
00:34:27,539 --> 00:34:30,809  
diet plenty of fresh fruit and

772  
00:34:28,739 --> 00:34:34,259  
vegetables rest as appropriate

773  
00:34:30,809 --> 00:34:34,779  
reasonable exercise hygiene measures to

774  
00:34:34,260 --> 00:34:37,540  
prevent

775  
00:34:34,780 --> 00:34:39,490  
the spread and far better than anything

776  
00:34:37,539 --> 00:34:40,929  
else we can use of course symptomatic

777  
00:34:39,489 --> 00:34:42,819  
treatment if you've got aches and pains

778  
00:34:40,929 --> 00:34:44,889  
and pain relievers fine if you've got a

779  
00:34:42,820 --> 00:34:47,350  
blocked up knows something to open up

780  
00:34:44,889 --> 00:34:49,569  
the airways if you've got an inflamed

781  
00:34:47,349 --> 00:34:52,480  
throat and the anti-inflammatory of

782  
00:34:49,570 --> 00:34:55,990  
lozenges maybe some aspirin gargled and

783  
00:34:52,480 --> 00:34:57,880  
swallowed those not so recent remedies

784  
00:34:55,989 --> 00:34:59,619

are often really effective you're

785

00:34:57,880 --> 00:35:01,269

talking to students here master students

786

00:34:59,619 --> 00:35:02,650

that are hoping to perhaps be on the

787

00:35:01,269 --> 00:35:04,449

front line of the farmers who run their

788

00:35:02,650 --> 00:35:06,190

pharmacy one day so they've got to look

789

00:35:04,449 --> 00:35:07,599

after the financial thing they've got to

790

00:35:06,190 --> 00:35:09,760

look after the tricky thing of people

791

00:35:07,599 --> 00:35:11,259

trying to come in and maybe put a slider

792

00:35:09,760 --> 00:35:13,030

scription through from other more

793

00:35:11,260 --> 00:35:14,290

addictive kind of things that sort of

794

00:35:13,030 --> 00:35:16,900

things they're really on the front line

795

00:35:14,289 --> 00:35:18,429

aren't they yes these students today

796

00:35:16,900 --> 00:35:19,630

that are coming out these master

797

00:35:18,429 --> 00:35:22,119

students from the University of

798

00:35:19,630 --> 00:35:25,840

Newcastle fantastic they're the cutting

799

00:35:22,119 --> 00:35:28,329

edge not only of business management but

800

00:35:25,840 --> 00:35:30,519

clinical procedures as well and they

801

00:35:28,329 --> 00:35:33,179

will know exactly what's necessary then

802

00:35:30,519 --> 00:35:36,099

they know when medication is prescribed

803

00:35:33,179 --> 00:35:38,679

the benefits the risks how to minimize

804

00:35:36,099 --> 00:35:40,750

the risks they know how to optimize that

805

00:35:38,679 --> 00:35:42,369

therapy they know when when you come in

806

00:35:40,750 --> 00:35:45,039

to them for non prescription medicine

807

00:35:42,369 --> 00:35:46,539

what to recommend for you given your

808

00:35:45,039 --> 00:35:50,170

medical history of what you might be

809

00:35:46,539 --> 00:35:52,029

taking for maybe some chronic illness so

810

00:35:50,170 --> 00:35:53,470

you can rely on these young graduates

811

00:35:52,030 --> 00:35:55,210

they're fantastic they look like a

812

00:35:53,469 --> 00:35:56,679

pretty smart bunch and what do you think

813  
00:35:55,210 --> 00:35:58,720  
is going to be the future breakthrough

814  
00:35:56,679 --> 00:36:00,159  
that we can expect within only ok let's

815  
00:35:58,719 --> 00:36:01,509  
give it a four-year span what do you

816  
00:36:00,159 --> 00:36:03,429  
think a bit next will it be another

817  
00:36:01,510 --> 00:36:05,860  
great antiviral come out can we expect

818  
00:36:03,429 --> 00:36:07,599  
more powerful antibiotics to help with

819  
00:36:05,860 --> 00:36:08,620  
the situation to existing of them or do

820  
00:36:07,599 --> 00:36:11,949  
you think it's going to be the next big

821  
00:36:08,619 --> 00:36:13,929  
cure coming out pharmacologically well I

822  
00:36:11,949 --> 00:36:15,819  
i think the research that we're

823  
00:36:13,929 --> 00:36:17,949  
undertaking at the moment is is quite

824  
00:36:15,820 --> 00:36:20,590  
amazing we're hoping that there'll be

825  
00:36:17,949 --> 00:36:22,029  
new antivirus new antibiotics I think

826  
00:36:20,590 --> 00:36:23,980  
they'll be more than three or four years

827

00:36:22,030 --> 00:36:27,310  
away they could be a decade or even a

828  
00:36:23,980 --> 00:36:29,980  
generation away but we will get in the

829  
00:36:27,309 --> 00:36:32,380  
in the very near future medications to

830  
00:36:29,980 --> 00:36:36,789  
treat long-term chronic illnesses like

831  
00:36:32,380 --> 00:36:38,470  
diabetes like epilepsy like a spa we've

832  
00:36:36,789 --> 00:36:40,320  
got some medications coming through the

833  
00:36:38,469 --> 00:36:42,789  
pipeline now that will revolutionize

834  
00:36:40,320 --> 00:36:45,470  
that the treatment of both type 1 and

835  
00:36:42,789 --> 00:36:47,630  
type 2 diabetes which is becoming

836  
00:36:45,469 --> 00:36:50,868  
of epidemic proportions in Australia and

837  
00:36:47,630 --> 00:36:53,420  
indeed around the world so prevention

838  
00:36:50,869 --> 00:36:54,950  
measures of course important but those

839  
00:36:53,420 --> 00:36:58,550  
medications that are coming through now

840  
00:36:54,949 --> 00:37:01,279  
will really help people to to have long

841  
00:36:58,550 --> 00:37:02,660

quality lives as your 40 uses a

842

00:37:01,280 --> 00:37:04,220

pharmacist what do you reckon the

843

00:37:02,659 --> 00:37:05,960

placebo effect what do you think of that

844

00:37:04,219 --> 00:37:07,879

do you think it is really as powerful as

845

00:37:05,960 --> 00:37:10,670

people think the placebo effect is

846

00:37:07,880 --> 00:37:13,490

enormously powerful and of course

847

00:37:10,670 --> 00:37:16,849

particularly with with conditions where

848

00:37:13,489 --> 00:37:20,989

the brain has involved mental illness

849

00:37:16,849 --> 00:37:23,030

depression anxiety but again more than

850

00:37:20,989 --> 00:37:24,769

placebo is necessary for those chronic

851

00:37:23,030 --> 00:37:27,680

conditions as well but we shouldn't

852

00:37:24,769 --> 00:37:29,659

diminish the the the benefits of placebo

853

00:37:27,679 --> 00:37:31,039

that works pretty well too so if you're

854

00:37:29,659 --> 00:37:32,839

doing pretty good at school would you

855

00:37:31,039 --> 00:37:34,279

recommend the career as a pharmacist as

856  
00:37:32,840 --> 00:37:36,320  
someone who's been doing it for 40 years

857  
00:37:34,280 --> 00:37:39,320  
I think the opportunities for the future

858  
00:37:36,320 --> 00:37:42,559  
of Pharmacy are enormous great

859  
00:37:39,320 --> 00:37:46,220  
challenges of course in in in terms of

860  
00:37:42,559 --> 00:37:49,159  
business in community as well but

861  
00:37:46,219 --> 00:37:51,169  
opportunities fantastic to in terms not

862  
00:37:49,159 --> 00:37:53,149  
only with the provision of medicines but

863  
00:37:51,170 --> 00:37:57,108  
the provision of advice monitoring the

864  
00:37:53,150 --> 00:37:59,180  
use of medicines being involved I guess

865  
00:37:57,108 --> 00:38:01,190  
in partnerships with doctors and other

866  
00:37:59,179 --> 00:38:03,529  
health professionals in therapeutic

867  
00:38:01,190 --> 00:38:05,929  
outcomes just tremendous opportunities

868  
00:38:03,530 --> 00:38:07,460  
and look at what position are you at the

869  
00:38:05,929 --> 00:38:08,838  
moment you actually an international

870  
00:38:07,460 --> 00:38:10,280  
pharmacist representative these days

871  
00:38:08,838 --> 00:38:12,259  
well I'm vice president of the

872  
00:38:10,280 --> 00:38:14,330  
international pharmaceutical Federation

873  
00:38:12,260 --> 00:38:16,910  
which represent your your Big Pharma guy

874  
00:38:14,329 --> 00:38:19,598  
and yeah well well I'd like to think so

875  
00:38:16,909 --> 00:38:21,739  
maybe not all that big but look it's

876  
00:38:19,599 --> 00:38:23,960  
again international pharmacy is

877  
00:38:21,739 --> 00:38:26,629  
important to we remembers it over 3

878  
00:38:23,960 --> 00:38:28,220  
million pharmacist worldwide over a

879  
00:38:26,630 --> 00:38:31,010  
hundred different pharmacy professional

880  
00:38:28,219 --> 00:38:32,868  
organizations and I might say though

881  
00:38:31,010 --> 00:38:34,520  
Australia's playing an enormous part i'm

882  
00:38:32,869 --> 00:38:36,320  
going to say look you have to say that

883  
00:38:34,519 --> 00:38:38,239  
how health system is probably better

884

00:38:36,320 --> 00:38:40,760  
than any in the world really isn't it

885  
00:38:38,239 --> 00:38:42,469  
yeah our health system in Australia is

886  
00:38:40,760 --> 00:38:45,140  
certainly one of the best if not the

887  
00:38:42,469 --> 00:38:47,750  
best in the world we complain a bit we

888  
00:38:45,139 --> 00:38:50,389  
windsor little about the cost about the

889  
00:38:47,750 --> 00:38:52,130  
the the inaccessibility of some

890  
00:38:50,389 --> 00:38:54,739  
medicines from time to time about

891  
00:38:52,130 --> 00:38:57,970  
getting to the doctor but accessibility

892  
00:38:54,739 --> 00:38:59,799  
to health in Australia is second to none

893  
00:38:57,969 --> 00:39:02,649  
about that and it's cost effective as

894  
00:38:59,800 --> 00:39:04,240  
well well I'm here with one of the

895  
00:39:02,650 --> 00:39:05,289  
students what's your name and what do

896  
00:39:04,239 --> 00:39:07,679  
you actually where you at in your

897  
00:39:05,289 --> 00:39:10,840  
studies and her on my final year of

898  
00:39:07,679 --> 00:39:12,909

post-grad pharmacy so I did an undergrad

899

00:39:10,840 --> 00:39:15,820

degree in medical science down in Sydney

900

00:39:12,909 --> 00:39:17,409

so I'm originally from Sydney and yeah

901

00:39:15,820 --> 00:39:18,910

so this the finding of my two-year

902

00:39:17,409 --> 00:39:20,799

master's degree in pharmacy and

903

00:39:18,909 --> 00:39:22,509

University of Newcastle and why did you

904

00:39:20,800 --> 00:39:23,769

choose pharmacy because so you obviously

905

00:39:22,510 --> 00:39:26,080

had pretty good marks you're pretty

906

00:39:23,769 --> 00:39:30,608

smart looking guy why pharmacy why not

907

00:39:26,079 --> 00:39:31,900

law you know ballet you know yeah I

908

00:39:30,608 --> 00:39:35,079

think ballet would see me but I think

909

00:39:31,900 --> 00:39:37,720

pharmacy is is a great profession you

910

00:39:35,079 --> 00:39:40,029

help the community you're in a wealth

911

00:39:37,719 --> 00:39:41,919

respected role in the community and you

912

00:39:40,030 --> 00:39:43,060

also have the opportunity to own your

913  
00:39:41,920 --> 00:39:44,619  
own business which is something I'm

914  
00:39:43,059 --> 00:39:45,759  
really really looking forward to which

915  
00:39:44,619 --> 00:39:46,869  
is what you've been getting tips on

916  
00:39:45,760 --> 00:39:48,820  
today from people that have run

917  
00:39:46,869 --> 00:39:50,500  
businesses for decades pharmacies for

918  
00:39:48,820 --> 00:39:51,940  
decades it's a very challenging the

919  
00:39:50,500 --> 00:39:53,800  
environment you're going into cos tryna

920  
00:39:51,940 --> 00:39:55,179  
sell anything to anyone now is hard even

921  
00:39:53,800 --> 00:39:57,670  
in a pharmacy what have you learned

922  
00:39:55,179 --> 00:40:01,269  
today yeah that's right times are tough

923  
00:39:57,670 --> 00:40:04,659  
in pharmacy there's a lot of ongoing

924  
00:40:01,269 --> 00:40:06,489  
competition and push from supermarket

925  
00:40:04,659 --> 00:40:10,960  
chains like Coles and Woolies that have

926  
00:40:06,489 --> 00:40:13,358  
their say in the market and these these

927  
00:40:10,960 --> 00:40:16,510  
experienced pharmacist have told us what

928  
00:40:13,358 --> 00:40:18,219  
we need to do and how we can prevent

929  
00:40:16,510 --> 00:40:20,910  
that from happening in and basically had

930  
00:40:18,219 --> 00:40:23,829  
it at a run a successful business and

931  
00:40:20,909 --> 00:40:25,179  
yeah what do you like with people you

932  
00:40:23,829 --> 00:40:26,619  
had much experience with people come up

933  
00:40:25,179 --> 00:40:28,989  
to going oh I've got a bit of a sore

934  
00:40:26,619 --> 00:40:33,430  
joint here Andrew what do I do yeah that

935  
00:40:28,989 --> 00:40:34,989  
yeah to be part of someone's first point

936  
00:40:33,429 --> 00:40:37,838  
of contact when they have these sort of

937  
00:40:34,989 --> 00:40:42,219  
issues is definitely you know kind of

938  
00:40:37,838 --> 00:40:44,139  
rewarding in in a sense you know to be a

939  
00:40:42,219 --> 00:40:47,649  
part of the you know that helping

940  
00:40:44,139 --> 00:40:51,250  
process is definitely something that you

941

00:40:47,650 --> 00:40:54,010  
know excites me and when you you know

942  
00:40:51,250 --> 00:40:55,809  
solve their problems and I walkway over

943  
00:40:54,010 --> 00:40:58,810  
smile on their face yeah it's definitely

944  
00:40:55,809 --> 00:41:00,369  
rewarding look at as a layman I find a

945  
00:40:58,809 --> 00:41:02,349  
few drugs absolutely fascinating and not

946  
00:41:00,369 --> 00:41:04,210  
just the recreational ones I find your

947  
00:41:02,349 --> 00:41:05,890  
antivirals are fairly interesting as as

948  
00:41:04,210 --> 00:41:07,420  
a pharmacist and as you've learned over

949  
00:41:05,889 --> 00:41:08,858  
the years what's a drug that you go and

950  
00:41:07,420 --> 00:41:10,119  
we don't have to get into it brand name

951  
00:41:08,858 --> 00:41:11,739  
see what's going to go well

952  
00:41:10,119 --> 00:41:15,039  
that works it does that what's the one

953  
00:41:11,739 --> 00:41:18,818  
you get that's amazing also all sorts of

954  
00:41:15,039 --> 00:41:21,249  
drugs am even the basic gum beta

955  
00:41:18,818 --> 00:41:24,818

blockers for high blood pressure you

956

00:41:21,248 --> 00:41:28,358

know it's just a common disease and the

957

00:41:24,818 --> 00:41:31,298

fact that a simple drug can help

958

00:41:28,358 --> 00:41:33,130

lower blood pressure significantly just

959

00:41:31,298 --> 00:41:34,480

just so you know amazes me and there's

960

00:41:33,130 --> 00:41:36,009

and that that's one of the basic ones

961

00:41:34,480 --> 00:41:37,659

there's all sorts of different

962

00:41:36,009 --> 00:41:39,969

medications all sorts of illnesses

963

00:41:37,659 --> 00:41:41,618

nervous it looked in you do just

964

00:41:39,969 --> 00:41:43,689

learning something at this stage every

965

00:41:41,619 --> 00:41:45,548

day that's amazing that's right every

966

00:41:43,690 --> 00:41:48,130

day you learn something new every every

967

00:41:45,548 --> 00:41:49,509

day you get fascinated and that's one of

968

00:41:48,130 --> 00:41:52,088

the best things about it then there's no

969

00:41:49,509 --> 00:41:54,490

boring day it's always interesting and

970  
00:41:52,088 --> 00:41:55,599  
yeah something I really enjoy look I can

971  
00:41:54,489 --> 00:41:57,068  
see you getting out into your community

972  
00:41:55,599 --> 00:41:58,720  
they were just having a little small

973  
00:41:57,068 --> 00:42:00,670  
pharmacy they're all you want to go big

974  
00:41:58,719 --> 00:42:02,739  
like mr. Piggott over there no I think I

975  
00:42:00,670 --> 00:42:05,019  
definitely like the idea of a small a

976  
00:42:02,739 --> 00:42:08,108  
small pharmacy just one that the locals

977  
00:42:05,018 --> 00:42:10,298  
on all know me and yeah they're

978  
00:42:08,108 --> 00:42:11,498  
definitely what I'm on my long term goal

979  
00:42:10,298 --> 00:42:13,298  
that you know Vaughn something

980  
00:42:11,498 --> 00:42:15,548  
troublemakers coming gate on your bike

981  
00:42:13,298 --> 00:42:18,068  
guys yep that's it that's it you know no

982  
00:42:15,548 --> 00:42:22,480  
job make us a my pharmacy look thank you

983  
00:42:18,068 --> 00:42:25,389  
Andrew thank you very much you might not

984

00:42:22,480 --> 00:42:27,639

be able to hear the quaint quacking of

985

00:42:25,389 --> 00:42:29,379

ducks in the background there and I with

986

00:42:27,639 --> 00:42:31,028

someone who you might have seen his name

987

00:42:29,380 --> 00:42:32,769

on the side of a few chemist shops in

988

00:42:31,028 --> 00:42:34,838

your time it's crispy get hi Chris how I

989

00:42:32,768 --> 00:42:37,058

made a good morning to you how many

990

00:42:34,838 --> 00:42:39,730

years have you been a pharmacist oh let

991

00:42:37,059 --> 00:42:42,309

me think quickly let's say 46 years of

992

00:42:39,730 --> 00:42:44,380

pharmacists why did you decide to get

993

00:42:42,309 --> 00:42:46,210

was it a master or battle what did you

994

00:42:44,380 --> 00:42:47,650

get back then was a diploma a bachelor's

995

00:42:46,210 --> 00:42:49,480

ordered this are you over there soul

996

00:42:47,650 --> 00:42:51,489

some aspirin what did they do back 46

997

00:42:49,480 --> 00:42:52,929

years ago I was in the first cohort of a

998

00:42:51,489 --> 00:42:55,059  
bachelor of pharmacy at Sydney

999  
00:42:52,929 --> 00:42:57,818  
University my parents and grandparents

1000  
00:42:55,059 --> 00:42:59,980  
were publicans and really I think that

1001  
00:42:57,818 --> 00:43:01,268  
was a great training ground for you know

1002  
00:42:59,980 --> 00:43:03,099  
we still had a counter and I served

1003  
00:43:01,268 --> 00:43:04,238  
alcohol you thought you oh yeah you

1004  
00:43:03,099 --> 00:43:06,190  
thought people are going to need a lot

1005  
00:43:04,239 --> 00:43:07,690  
of aspirin from what I've seen yes

1006  
00:43:06,190 --> 00:43:09,338  
that's right so you're making up stuff

1007  
00:43:07,690 --> 00:43:11,650  
behind the counter lot in those days

1008  
00:43:09,338 --> 00:43:14,230  
very much so that's a good question we

1009  
00:43:11,650 --> 00:43:15,818  
made probably I'd say fifty percent of

1010  
00:43:14,230 --> 00:43:17,980  
all of our prescriptions were

1011  
00:43:15,818 --> 00:43:20,048  
extemporaneously or handmade in those

1012  
00:43:17,980 --> 00:43:22,059

days they'll have slept that stuff like

1013

00:43:20,048 --> 00:43:23,949

lignum or the opiate that was that

1014

00:43:22,059 --> 00:43:26,140

available that it was in the early

1015

00:43:23,949 --> 00:43:29,639

as the opiates were made in mixtures for

1016

00:43:26,139 --> 00:43:32,319

people that had severe pain or you know

1017

00:43:29,639 --> 00:43:34,779

chronic injuries with a lot of pain

1018

00:43:32,320 --> 00:43:36,760

opiates were commonly used and these

1019

00:43:34,780 --> 00:43:39,190

days would a chemist mix up anything

1020

00:43:36,760 --> 00:43:43,150

these days yes they still make it up and

1021

00:43:39,190 --> 00:43:46,750

but very very few so maybe one or two or

1022

00:43:43,150 --> 00:43:48,639

three times a day however we still have

1023

00:43:46,750 --> 00:43:50,980

to make liquid antibiotics every day

1024

00:43:48,639 --> 00:43:53,289

probably ten a day or 20 a day for every

1025

00:43:50,980 --> 00:43:56,050

young child needing a penicillin of

1026

00:43:53,289 --> 00:43:58,239

forms there are also specialist

1027  
00:43:56,050 --> 00:44:00,030  
compounding pharmacists that you'll see

1028  
00:43:58,239 --> 00:44:04,239  
in the community who are doing

1029  
00:44:00,030 --> 00:44:06,400  
enormously intricate technical work ok

1030  
00:44:04,239 --> 00:44:08,319  
Wow and what's your personal view on

1031  
00:44:06,400 --> 00:44:10,599  
homeopathy let's ask a ruler

1032  
00:44:08,320 --> 00:44:13,750  
controversial one there well homeopathy

1033  
00:44:10,599 --> 00:44:15,819  
is III think it stood at least it's safe

1034  
00:44:13,750 --> 00:44:17,889  
Maynard that's true in Europe do you

1035  
00:44:15,820 --> 00:44:18,730  
know it's massively popular and it was

1036  
00:44:17,889 --> 00:44:22,539  
that you're going to do is you're

1037  
00:44:18,730 --> 00:44:26,110  
hydrating something yes and and I think

1038  
00:44:22,539 --> 00:44:28,179  
we're in an area where people often like

1039  
00:44:26,110 --> 00:44:31,570  
something very safe for children's usage

1040  
00:44:28,179 --> 00:44:34,690  
and homeopathy is not something that we

1041  
00:44:31,570 --> 00:44:36,760  
teach at University no no exactly the

1042  
00:44:34,690 --> 00:44:38,920  
opposite end of in fact which is why

1043  
00:44:36,760 --> 00:44:41,560  
we're here today you are teaching some

1044  
00:44:38,920 --> 00:44:43,539  
actual active compounds that are in some

1045  
00:44:41,559 --> 00:44:46,000  
of the the pharmaceutical things that we

1046  
00:44:43,539 --> 00:44:48,340  
do at the Newcastle wetlands and are you

1047  
00:44:46,000 --> 00:44:50,559  
showing what plants are being used in

1048  
00:44:48,340 --> 00:44:53,110  
pharmacology we've got a doctor who's

1049  
00:44:50,559 --> 00:44:54,610  
taking them around the the wetlands

1050  
00:44:53,110 --> 00:44:57,610  
first of all to show off this beautiful

1051  
00:44:54,610 --> 00:44:58,750  
unique site that Newcastle has and he's

1052  
00:44:57,610 --> 00:45:00,550  
showing them plants that were

1053  
00:44:58,750 --> 00:45:04,030  
traditionally used by the aboriginals

1054  
00:45:00,550 --> 00:45:06,190  
the early colonialists he's showing them

1055

00:45:04,030 --> 00:45:08,710  
plants that are safe to ingest and

1056  
00:45:06,190 --> 00:45:10,780  
plants that are dangerous to ingest but

1057  
00:45:08,710 --> 00:45:15,369  
our University Maynard is very much

1058  
00:45:10,780 --> 00:45:17,019  
based on actual evidence based medicines

1059  
00:45:15,369 --> 00:45:19,480  
and that's what we're doing is we're

1060  
00:45:17,019 --> 00:45:22,179  
bringing top community pharmacists

1061  
00:45:19,480 --> 00:45:25,139  
experienced men and women to speak to

1062  
00:45:22,179 --> 00:45:27,789  
the pharmacists in a very small group em

1063  
00:45:25,139 --> 00:45:29,769  
into enterprise so we've got one

1064  
00:45:27,789 --> 00:45:31,840  
pharmacist speaking with four students

1065  
00:45:29,769 --> 00:45:34,090  
and we're helping them understand the

1066  
00:45:31,840 --> 00:45:35,890  
commercial business side of this

1067  
00:45:34,090 --> 00:45:36,710  
profession it's always been a duopoly

1068  
00:45:35,889 --> 00:45:38,659  
it's all

1069  
00:45:36,710 --> 00:45:41,179

had to have a commercial side to it as

1070

00:45:38,659 --> 00:45:42,588

well as the professional side to it mr.

1071

00:45:41,179 --> 00:45:44,480

guy I always get concerned when I go

1072

00:45:42,588 --> 00:45:46,009

into a pharmacy and there are too many

1073

00:45:44,480 --> 00:45:47,750

other things to buy their other than

1074

00:45:46,010 --> 00:45:48,980

pharmaceutical products and I understand

1075

00:45:47,750 --> 00:45:50,719

as a business you've got to have

1076

00:45:48,980 --> 00:45:52,849

sundries or whatever you might call them

1077

00:45:50,719 --> 00:45:54,559

in the shop but it has changed a lot

1078

00:45:52,849 --> 00:45:56,269

over the years hasn't it it has changed

1079

00:45:54,559 --> 00:45:58,759

but think of us like a first-aid station

1080

00:45:56,269 --> 00:46:00,739

so people can come into our pharmacy

1081

00:45:58,760 --> 00:46:03,740

there's no waiting time there's no

1082

00:46:00,739 --> 00:46:05,838

charge people all my life people have

1083

00:46:03,739 --> 00:46:07,789

come in and said mr. Piggott you know is

1084  
00:46:05,838 --> 00:46:11,029  
this is this dangerous what's this on my

1085  
00:46:07,789 --> 00:46:12,769  
son's leg is this head lice in a little

1086  
00:46:11,030 --> 00:46:14,900  
questions that the public just want an

1087  
00:46:12,769 --> 00:46:16,940  
answer and I can say you should take

1088  
00:46:14,900 --> 00:46:18,920  
your child to the doctor you should go

1089  
00:46:16,940 --> 00:46:21,650  
to the doctor and there's been a few

1090  
00:46:18,920 --> 00:46:24,050  
rare instances which had been quite had

1091  
00:46:21,650 --> 00:46:26,119  
a huge impact on my life where I've got

1092  
00:46:24,050 --> 00:46:27,920  
people to hospital or I've got them into

1093  
00:46:26,119 --> 00:46:30,559  
a doctors surgery when they've been told

1094  
00:46:27,920 --> 00:46:32,720  
that the doctor was booked out but I've

1095  
00:46:30,559 --> 00:46:35,480  
I have detected the fact that this was

1096  
00:46:32,719 --> 00:46:37,819  
an emergency pharmacists do this every

1097  
00:46:35,480 --> 00:46:39,619  
day may not every day of their life and

1098  
00:46:37,820 --> 00:46:41,720  
and these ones that are being trained up

1099  
00:46:39,619 --> 00:46:43,250  
here they are final year students at

1100  
00:46:41,719 --> 00:46:45,230  
Newcastle but you said there master

1101  
00:46:43,250 --> 00:46:47,059  
students what's going on there well we

1102  
00:46:45,230 --> 00:46:48,710  
have a master's program and the

1103  
00:46:47,059 --> 00:46:50,029  
pharmacists of the other and all the

1104  
00:46:48,710 --> 00:46:53,030  
people about it should be very proud

1105  
00:46:50,030 --> 00:46:55,070  
that we we teach pharmacy in the Hunter

1106  
00:46:53,030 --> 00:46:56,810  
Valley at the University of Newcastle

1107  
00:46:55,070 --> 00:46:58,250  
will cause the medical school there has

1108  
00:46:56,809 --> 00:47:00,588  
had an outstanding reputation for

1109  
00:46:58,250 --> 00:47:03,980  
decades and I hope that we will too this

1110  
00:47:00,588 --> 00:47:06,289  
is our 10th year but now we're changing

1111  
00:47:03,980 --> 00:47:09,139  
to a bachelor program which will be four

1112

00:47:06,289 --> 00:47:11,210  
years and this will allow our bright

1113  
00:47:09,139 --> 00:47:13,759  
young kids from all of the high schools

1114  
00:47:11,210 --> 00:47:16,309  
from tamworth down to to the Central

1115  
00:47:13,760 --> 00:47:18,349  
Coast up to graft and we hope that they

1116  
00:47:16,309 --> 00:47:20,630  
will channel themselves into Newcastle

1117  
00:47:18,349 --> 00:47:22,519  
University this is a great i call it a

1118  
00:47:20,630 --> 00:47:24,858  
little school of pharmacy but it's a

1119  
00:47:22,519 --> 00:47:26,088  
great little school of pharmacy now what

1120  
00:47:24,858 --> 00:47:27,799  
sort of things they're learning over

1121  
00:47:26,088 --> 00:47:29,719  
there from the local experts what sort

1122  
00:47:27,800 --> 00:47:31,550  
of plants have we got around here that

1123  
00:47:29,719 --> 00:47:33,529  
are used in certain medications now are

1124  
00:47:31,550 --> 00:47:35,060  
there any most of most of what they're

1125  
00:47:33,530 --> 00:47:37,519  
learning if I can just correct you on

1126  
00:47:35,059 --> 00:47:40,880

this is business skills they're learning

1127

00:47:37,519 --> 00:47:44,210

from experienced pharmacist how they can

1128

00:47:40,880 --> 00:47:46,400

find a job make a job and make

1129

00:47:44,210 --> 00:47:48,590

themselves useful in the community so

1130

00:47:46,400 --> 00:47:51,200

some of it is communication that's

1131

00:47:48,590 --> 00:47:53,990

extremely important people have got to

1132

00:47:51,199 --> 00:47:56,299

know a pharmacist job every day is

1133

00:47:53,989 --> 00:47:59,419

communicating with young children

1134

00:47:56,300 --> 00:48:01,010

elderly people sick people people who

1135

00:47:59,420 --> 00:48:03,050

want to stay well okay and you're trying

1136

00:48:01,010 --> 00:48:06,200

to run a business too and any kind of

1137

00:48:03,050 --> 00:48:08,720

retail is difficult in 2014 it's really

1138

00:48:06,199 --> 00:48:10,899

difficult it is and that that's the

1139

00:48:08,719 --> 00:48:13,759

great advantage of having a dozen

1140

00:48:10,900 --> 00:48:15,710

experienced professionals here taking

1141  
00:48:13,760 --> 00:48:18,680  
them through the challenges that they've

1142  
00:48:15,710 --> 00:48:21,440  
had in their life and passing it on to

1143  
00:48:18,679 --> 00:48:24,519  
these younger students so that they're

1144  
00:48:21,440 --> 00:48:24,519  
forewarned is forearmed

1145  
00:48:42,228 --> 00:48:46,438  
astronomy cast who takes a fact space

1146  
00:48:44,548 --> 00:48:48,358  
journey through the cosmos as it offers

1147  
00:48:46,438 --> 00:48:51,028  
listeners weekly discussions on

1148  
00:48:48,358 --> 00:48:53,969  
astronomical topics ranging from planets

1149  
00:48:51,028 --> 00:48:56,398  
to cosmology hosted by Fraser Cain of

1150  
00:48:53,969 --> 00:48:57,239  
Universe Today and myself dr. Pamela gay

1151  
00:48:56,398 --> 00:48:59,909  
of southern illinois university

1152  
00:48:57,239 --> 00:49:01,798  
edwardsville this show brings the

1153  
00:48:59,909 --> 00:49:04,229  
questions of an avid astronomy lover

1154  
00:49:01,798 --> 00:49:06,329  
directly to an astronomer together

1155  
00:49:04,228 --> 00:49:07,858  
Fraser and I explore what is known and

1156  
00:49:06,329 --> 00:49:10,619  
being discovered about the universe

1157  
00:49:07,858 --> 00:49:12,719  
around us join us each week as we take a

1158  
00:49:10,619 --> 00:49:16,249  
fact space journey through the cosmos at

1159  
00:49:12,719 --> 00:49:16,249  
astronomy cast calm

1160  
00:49:26,570 --> 00:49:30,660  
thank you for listening to the skeptic

1161  
00:49:28,829 --> 00:49:32,159  
zone and thank you once again those

1162  
00:49:30,659 --> 00:49:34,319  
wonderful people who came up to see me

1163  
00:49:32,159 --> 00:49:35,909  
at the amazing meeting in Las Vegas you

1164  
00:49:34,320 --> 00:49:37,830  
know folks add people bring me root beer

1165  
00:49:35,909 --> 00:49:41,069  
which I love people brought some hot

1166  
00:49:37,829 --> 00:49:42,719  
sauce and lovely hot chili sauce two

1167  
00:49:41,070 --> 00:49:45,059  
bottles in fact one for me and one for

1168  
00:49:42,719 --> 00:49:48,569  
dr. Richie I must get dr. Ishi her hot

1169

00:49:45,059 --> 00:49:51,900  
chili sauce soon I had people bring me

1170  
00:49:48,570 --> 00:49:53,610  
candy wow what what a wonderful bunch

1171  
00:49:51,900 --> 00:49:57,900  
they are at the amazing meeting looking

1172  
00:49:53,610 --> 00:50:00,570  
forward to the amazing meeting in 2015

1173  
00:49:57,900 --> 00:50:02,130  
and I'm looking forward to the

1174  
00:50:00,570 --> 00:50:03,720  
Australian skeptics National Convention

1175  
00:50:02,130 --> 00:50:07,410  
featuring the skeptics guide to the

1176  
00:50:03,719 --> 00:50:09,299  
universe dr. Cole patina aren't dick

1177  
00:50:07,409 --> 00:50:11,190  
smith lots of other people dr. rachey

1178  
00:50:09,300 --> 00:50:13,860  
speaking there of course and that's

1179  
00:50:11,190 --> 00:50:16,980  
coming up in November late november this

1180  
00:50:13,860 --> 00:50:20,250  
year in sydney visit convention dot

1181  
00:50:16,980 --> 00:50:24,300  
skeptics com da day you for more

1182  
00:50:20,250 --> 00:50:26,130  
information and to buy your tickets wow

1183  
00:50:24,300 --> 00:50:28,320

I can't wait to see all those people at

1184

00:50:26,130 --> 00:50:30,269

the Australian skeptics national

1185

00:50:28,320 --> 00:50:34,980

convention but for this week this is

1186

00:50:30,269 --> 00:50:37,590

Richard Saunders and fed the cat it was

1187

00:50:34,980 --> 00:50:42,960

half asleep hello friend signing off

1188

00:50:37,590 --> 00:50:45,269

from Sydney Australia you've been

1189

00:50:42,960 --> 00:50:49,829

listening to the skeptic zone visit our

1190

00:50:45,269 --> 00:50:52,289

website at wwc a petting zoo TV for

1191

00:50:49,829 --> 00:50:54,920

comments contacts and extra video

1192

00:50:52,289 --> 00:50:54,920

reports

1193

00:50:55,199 --> 00:50:58,199

skin

1194

00:51:06,119 --> 00:51:08,150

Oh

1195

00:51:13,260 --> 00:51:15,320

you