

The Skeptic Zone
Show 301 - 27 July 2014



TAM 2014

1
00:00:13,790 --> 00:00:09,509
welcome to the skeptic zone the podcast

2
00:00:20,390 --> 00:00:13,800
from Australia for science and reason

3
00:00:27,160 --> 00:00:22,880
hello and welcome to the skeptic zone

4
00:00:37,460 --> 00:00:27,170
episode number 301 for the 27th of July

5
00:00:39,410 --> 00:00:37,470
2014 thank you canned applause from the

6
00:00:41,630 --> 00:00:39,420
amazing meeting in Las Vegas I'm still

7
00:00:43,880 --> 00:00:41,640
coming down from it folks it was such a

8
00:00:46,729 --> 00:00:43,890
great time such a busy time it's such a

9
00:00:50,930 --> 00:00:46,739
wonderful time in fact we're gonna have

10
00:00:52,899 --> 00:00:50,940
some few last rounding off type

11
00:00:55,310 --> 00:00:52,909
interviews from the amazing meeting

12
00:00:57,289 --> 00:00:55,320
unfortunately I didn't get to her to do

13
00:00:59,479 --> 00:00:57,299

as many interviews as I'd hoped there I

14

00:01:00,770 --> 00:00:59,489

was pretty busy I wondered do interview

15

00:01:03,380 --> 00:01:00,780

this person and that person and this

16

00:01:05,630 --> 00:01:03,390

person and round the corner and you know

17

00:01:08,240 --> 00:01:05,640

what I really needed main out there

18

00:01:10,399 --> 00:01:08,250

folks I really needed main out there he

19

00:01:11,719 --> 00:01:10,409

couldn't make it this year but it's

20

00:01:12,920 --> 00:01:11,729

great when he was there a couple of

21

00:01:15,320 --> 00:01:12,930

years ago I sent him off at the

22

00:01:16,670 --> 00:01:15,330

microphone didn't see him for days and

23

00:01:20,679 --> 00:01:16,680

when he'd finished he had something like

24

00:01:22,640 --> 00:01:20,689

40 interviews ah Maynard you're a wonder

25

00:01:23,660 --> 00:01:22,650

anyway coming up on this week's show

26

00:01:25,520 --> 00:01:23,670

we're going to kick off with some

27

00:01:28,220 --> 00:01:25,530

interviews from the amazing meeting I

28

00:01:31,190 --> 00:01:28,230

managed to get anyway we've got Carl

29

00:01:33,770 --> 00:01:31,200

Sanders who does carbon dating comics

30

00:01:35,390 --> 00:01:33,780

we've got a wonderful lady called kathy

31

00:01:38,270 --> 00:01:35,400

smith who was just a sort of your

32

00:01:42,649 --> 00:01:38,280

everyday wonderful type skeptical person

33

00:01:46,190 --> 00:01:42,659

at damn so we chat to her and a a real

34

00:01:48,590 --> 00:01:46,200

character attempt spoon equine who's an

35

00:01:53,840 --> 00:01:48,600

artist and uh has a blog called the mad

36

00:01:56,360 --> 00:01:53,850

science writer and she does Oh artwork

37

00:01:59,149 --> 00:01:56,370

she draws pictures from the solar flare

38

00:02:01,580 --> 00:01:59,159

as the skeptics own solar flare

39

00:02:04,670 --> 00:02:01,590

adventure the people you meet folks to

40

00:02:07,990 --> 00:02:04,680

people you meet so one last taste of Tam

41

00:02:10,279 --> 00:02:08,000

um well I guess until next year

42

00:02:11,990 --> 00:02:10,289

following that we have a report a

43

00:02:15,110 --> 00:02:12,000

special report from our good friend Bob

44

00:02:17,630 --> 00:02:15,120

blaskowitz from the Houston cancer quack

45

00:02:19,880 --> 00:02:17,640

website about the Brazil ski clinic and

46

00:02:23,509 --> 00:02:19,890

the latest updates and news on that

47

00:02:25,280 --> 00:02:23,519

particular character I think Gila I

48

00:02:27,979 --> 00:02:25,290

think you'll find his report very

49

00:02:32,449 --> 00:02:27,989

interesting as always we have a week in

50

00:02:34,100 --> 00:02:32,459

science from ww RI a USDA you the Royal

51
00:02:35,540 --> 00:02:34,110
Institution of Australia hello

52
00:02:38,660 --> 00:02:35,550
all Willis I should come and visit you

53
00:02:41,150 --> 00:02:38,670
soon I hope who knows and then to round

54
00:02:44,900 --> 00:02:41,160
up the show speaking earlier of main IDs

55
00:02:47,090 --> 00:02:44,910
it's Maynard spooky action what would it

56
00:02:48,710 --> 00:02:47,100
interesting Maynard spooky action it is

57
00:02:52,480 --> 00:02:48,720
maynards going to be talking to some

58
00:02:54,590 --> 00:02:52,490
pharmacists and a pharmacist student

59
00:02:57,620 --> 00:02:54,600
pharmacies pharmacist you know they're

60
00:02:59,750 --> 00:02:57,630
the sort of the frontline of our medical

61
00:03:01,280 --> 00:02:59,760
science in our community in many ways

62
00:03:03,290 --> 00:03:01,290
when people have an ailment they'll

63
00:03:05,300 --> 00:03:03,300

often go to the pharmacist before they

64

00:03:07,460 --> 00:03:05,310

go to the doctor now I must admit I've

65

00:03:09,920 --> 00:03:07,470

had a bone to pick with many pharmacies

66

00:03:12,680 --> 00:03:09,930

in this country over the years because

67

00:03:15,729 --> 00:03:12,690

sadly many chemist shops many many

68

00:03:21,260 --> 00:03:15,739

pharmacies well to be blunt sell

69

00:03:23,300 --> 00:03:21,270

quackery homeopathy um snoring rings

70

00:03:27,229 --> 00:03:23,310

that work on acupuncture points and this

71

00:03:30,470 --> 00:03:27,239

sort of stuff I even have bought magical

72

00:03:33,350 --> 00:03:30,480

power bands in pharmacies in the past in

73

00:03:36,229 --> 00:03:33,360

this country so I am not completely

74

00:03:37,970 --> 00:03:36,239

happy with what happens in pharmacies

75

00:03:39,320 --> 00:03:37,980

I'll have to admit it nevertheless I

76
00:03:41,660 --> 00:03:39,330
know there are many pharmacies out there

77
00:03:44,810 --> 00:03:41,670
who do a great job and aren't very happy

78
00:03:48,199 --> 00:03:44,820
with the fact that them this quackery is

79
00:03:49,610 --> 00:03:48,209
being sold anyway Maynard gets the

80
00:03:53,120 --> 00:03:49,620
lowdown on what it's like to be a

81
00:03:54,620 --> 00:03:53,130
pharmacist later on in the show now i

82
00:03:56,479 --> 00:03:54,630
must say a really big thank you to all

83
00:04:00,550 --> 00:03:56,489
those people out there who are tweeting

84
00:04:02,930 --> 00:04:00,560
and facebooking and blogging my

85
00:04:05,210 --> 00:04:02,940
documentary the vaccination chronicles

86
00:04:06,830 --> 00:04:05,220
which went out last week and there's

87
00:04:09,560 --> 00:04:06,840
even an effort to get Bill Gates to

88
00:04:12,050 --> 00:04:09,570

tweet it and Stephen Fry oh that would

89

00:04:14,690 --> 00:04:12,060

be nice folks that would be nice I'm now

90

00:04:17,390 --> 00:04:14,700

working because of all the requests I'm

91

00:04:18,949 --> 00:04:17,400

now working on the DVD of the

92

00:04:21,050 --> 00:04:18,959

vaccination Chronicles which will have

93

00:04:22,520 --> 00:04:21,060

extra features on an extended interviews

94

00:04:25,909 --> 00:04:22,530

the stuff that I couldn't quite fit into

95

00:04:29,570 --> 00:04:25,919

the documentary that will be available

96

00:04:30,800 --> 00:04:29,580

eventually in Powell for the countries

97

00:04:34,130 --> 00:04:30,810

around the world that use the PAL system

98

00:04:36,590 --> 00:04:34,140

and in the ntsc version for North

99

00:04:38,540 --> 00:04:36,600

America it'll be region free of course

100

00:04:40,640 --> 00:04:38,550

and when that comes out I'll only be

101
00:04:43,070 --> 00:04:40,650
selling that at a price which covers the

102
00:04:44,990 --> 00:04:43,080
cost of production and mailing this is

103
00:04:47,690 --> 00:04:45,000
not an exercise for me to make a profit

104
00:04:47,930 --> 00:04:47,700
the YouTube video is free to view of

105
00:04:50,090 --> 00:04:47,940
course

106
00:04:52,490 --> 00:04:50,100
well there's no ads on it you're free to

107
00:04:55,250 --> 00:04:52,500
copy it and download it and view it and

108
00:04:57,440 --> 00:04:55,260
show it and look at it again whatever

109
00:04:59,650 --> 00:04:57,450
you want to do the idea is to get the

110
00:05:03,340 --> 00:04:59,660
word out about the importance of

111
00:05:05,630 --> 00:05:03,350
vaccinations and what it was like before

112
00:05:07,700 --> 00:05:05,640
when parents live with the very real

113
00:05:09,350 --> 00:05:07,710

fear that their babies and their

114

00:05:11,060 --> 00:05:09,360

children could succumb to these horrible

115

00:05:13,810 --> 00:05:11,070

diseases if you haven't seen the

116

00:05:17,480 --> 00:05:13,820

documentary yeah way if you go to a

117

00:05:19,040 --> 00:05:17,490

skeptic zone TV and scroll down you'll

118

00:05:20,810 --> 00:05:19,050

be able to see it there and i'll

119

00:05:23,750 --> 00:05:20,820

certainly be keeping you all updated on

120

00:05:25,970 --> 00:05:23,760

the progress of the the DVD i'm going to

121

00:05:27,950 --> 00:05:25,980

brush up my old DVD authoring skills

122

00:05:30,140 --> 00:05:27,960

I've authored quite a few dvds in my

123

00:05:34,190 --> 00:05:30,150

time and haven't done it for a little

124

00:05:36,770 --> 00:05:34,200

while but that's something i really look

125

00:05:38,180 --> 00:05:36,780

forward to getting that DVD out well

126

00:05:42,050 --> 00:05:38,190

that's enough for me i'm going to how a

127

00:05:46,550 --> 00:05:42,060

hello Fred it's Fred the cat no I missed

128

00:05:48,850 --> 00:05:46,560

you friend hello sweetie yeah he's lying

129

00:05:53,390 --> 00:05:48,860

on his favorite cushion next to me here

130

00:05:54,830 --> 00:05:53,400

how are you you all right no he likes a

131

00:05:57,920 --> 00:05:54,840

scratch behind the ear don't they all

132

00:06:00,080 --> 00:05:57,930

don't they all Fred what do you think I

133

00:06:02,330 --> 00:06:00,090

should have this week hmm if I can run

134

00:06:03,380 --> 00:06:02,340

down to the fridge run downstairs and

135

00:06:06,350 --> 00:06:03,390

open the fridge what do you think I'll

136

00:06:10,280 --> 00:06:06,360

find I know what I'll find it's not the

137

00:06:13,760 --> 00:06:10,290

fridge Fred no it's in a packet instant

138

00:06:16,700 --> 00:06:13,770

miso soup not bad not gonna have some of

139

00:06:19,880 --> 00:06:16,710

that why i have 0 big yawn from Fred am

140

00:06:22,610 --> 00:06:19,890

i that interesting Fred mi know while

141

00:06:42,890 --> 00:06:22,620

I'm doing that I hope you enjoy the

142

00:06:48,809 --> 00:06:46,249

las vegas at night and we're outside the

143

00:06:51,600 --> 00:06:48,819

south point casino and it's like we've

144

00:06:54,540 --> 00:06:51,610

walked into an oven i kid you not my

145

00:06:57,120 --> 00:06:54,550

friends it's incredible the contrast

146

00:06:58,710 --> 00:06:57,130

that must be over I don't know it's 40

147

00:07:00,540 --> 00:06:58,720

plus degrees out here there's a hot air

148

00:07:02,010 --> 00:07:00,550

blowing on us Wow there is a hot air

149

00:07:05,839 --> 00:07:02,020

blowing honest I think we're gonna have

150

00:07:08,010 --> 00:07:05,849

to stand over here no go back over here

151

00:07:10,230 --> 00:07:08,020

where's that hot air coming from the

152

00:07:13,890 --> 00:07:10,240

desert winds I think it's the desert

153

00:07:16,710 --> 00:07:13,900

winds will carry on last year at the

154

00:07:18,540 --> 00:07:16,720

amazing meeting I met a man who did the

155

00:07:21,270 --> 00:07:18,550

comic strip and does the comic strip

156

00:07:25,020 --> 00:07:21,280

carbon dating who are you why are you

157

00:07:27,659 --> 00:07:25,030

here hello Australia I am Kyle Sanders

158

00:07:29,850 --> 00:07:27,669

and I've launched the year ago and have

159

00:07:31,589 --> 00:07:29,860

come back this year to Tam I saw you at

160

00:07:34,050 --> 00:07:31,599

your table the carbon dating table very

161

00:07:38,820 --> 00:07:34,060

popular the comic strip what's the URL

162

00:07:40,890 --> 00:07:38,830

straightaway carbon comic com and it was

163

00:07:42,870 --> 00:07:40,900

gone extremely well since last year

164

00:07:44,730 --> 00:07:42,880

things have really picked up the comic

165

00:07:47,399 --> 00:07:44,740

strip is now in the American skeptical

166

00:07:48,930 --> 00:07:47,409

Inquirer magazine as well as full-page

167

00:07:51,089 --> 00:07:48,940

illustrations I do for a skeptic

168

00:07:53,249 --> 00:07:51,099

magazine that's fantastic and what's the

169

00:07:55,860 --> 00:07:53,259

basic philosophy on the carbon dating

170

00:07:58,620 --> 00:07:55,870

comic strip my philosophy is if you can

171

00:08:00,450 --> 00:07:58,630

make a friend laughs at an irrational

172

00:08:03,149 --> 00:08:00,460

idea maybe they won't take it so

173

00:08:04,529 --> 00:08:03,159

seriously in the future so the comic

174

00:08:06,749 --> 00:08:04,539

strip features a group of friends who

175

00:08:08,870 --> 00:08:06,759

all have their different irrational

176

00:08:12,870 --> 00:08:08,880

beliefs and it addresses them over time

177

00:08:14,760 --> 00:08:12,880

Wow and you had some great news i saw

178

00:08:16,409 --> 00:08:14,770

yesterday oh it was the day i thought

179

00:08:18,390 --> 00:08:16,419

you know what all these days is sort of

180

00:08:21,270 --> 00:08:18,400

learned together yeah blended together

181

00:08:22,920 --> 00:08:21,280

there was a big cheer went up from your

182

00:08:24,810 --> 00:08:22,930

table what was that all about yes our

183

00:08:27,719 --> 00:08:24,820

big disruptive cheer was because we

184

00:08:29,370 --> 00:08:27,729

launched a Kickstarter which would allow

185

00:08:32,279 --> 00:08:29,380

me to hire an artist to help with the

186

00:08:34,260 --> 00:08:32,289

project that artist would be able to put

187

00:08:36,930 --> 00:08:34,270

out a comic strip every day so we're

188

00:08:39,930 --> 00:08:36,940

very excited and our initial kick

189

00:08:42,029 --> 00:08:39,940

funding kick funding kick-starting kick

190

00:08:44,510 --> 00:08:42,039

slammer our original original goal was

191

00:08:47,060 --> 00:08:44,520

met in three days

192

00:08:49,100 --> 00:08:47,070

we have another 27 days to continue to

193

00:08:50,540 --> 00:08:49,110

raise money and put it into the project

194

00:08:52,430 --> 00:08:50,550

stick with me we're going to walk

195

00:08:55,360 --> 00:08:52,440

through this double door here because

196

00:08:57,830 --> 00:08:55,370

the desert winds my friends are blowing

197

00:09:00,650 --> 00:08:57,840

was just sort of stepped into this aunty

198

00:09:04,180 --> 00:09:00,660

room here that's insane out there it is

199

00:09:06,350 --> 00:09:04,190

that's absolutely insane so how many

200

00:09:08,270 --> 00:09:06,360

carbon dating comic strips have you

201
00:09:10,280 --> 00:09:08,280
created now oh there's been over a

202
00:09:13,760 --> 00:09:10,290
hundred and fifteen over the last year I

203
00:09:16,760 --> 00:09:13,770
do to a week to a week but that's quite

204
00:09:18,530 --> 00:09:16,770
something because if I don't know if our

205
00:09:20,990 --> 00:09:18,540
listeners have ever done this I've done

206
00:09:22,820 --> 00:09:21,000
it a few times I've actually written a

207
00:09:25,190 --> 00:09:22,830
comic strip through a magazine oh great

208
00:09:27,920 --> 00:09:25,200
as it happens I don't profess to be

209
00:09:31,100 --> 00:09:27,930
great at it but I have done it and it's

210
00:09:33,740 --> 00:09:31,110
not that easy to come up with a four or

211
00:09:36,230 --> 00:09:33,750
five over what in your four panels I do

212
00:09:38,330 --> 00:09:36,240
three actually I went from more 23 but

213
00:09:40,580 --> 00:09:38,340

it's come up with with a funny and

214

00:09:42,530 --> 00:09:40,590

succinct point and to make a point with

215

00:09:44,930 --> 00:09:42,540

humor in three panels well then they's

216

00:09:47,960 --> 00:09:44,940

right to roar it was perfect time yeah

217

00:09:50,720 --> 00:09:47,970

but readers and the right it's not

218

00:09:52,370 --> 00:09:50,730

enough they really should have something

219

00:09:54,470 --> 00:09:52,380

every day if you're doing a comic strip

220

00:09:56,780 --> 00:09:54,480

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

221

00:09:58,970 --> 00:09:56,790

gives new respect when you read that the

222

00:10:01,100 --> 00:09:58,980

funnies in the newspaper it's amazing

223

00:10:03,770 --> 00:10:01,110

that they do that I mean these people

224

00:10:05,690 --> 00:10:03,780

you work very hard to not only come up

225

00:10:08,150 --> 00:10:05,700

with the creativity and the idea and the

226

00:10:10,250 --> 00:10:08,160

human but as you say the the artistic

227

00:10:13,130 --> 00:10:10,260

endeavor mm-hmm well I'm with an artist

228

00:10:14,600 --> 00:10:13,140

then i can write full-time and I can you

229

00:10:17,060 --> 00:10:14,610

know script it out and she can take care

230

00:10:19,100 --> 00:10:17,070

of the actual pencil and ink characters

231

00:10:21,800 --> 00:10:19,110

we've been working together so we'll

232

00:10:23,150 --> 00:10:21,810

have a great team and I'm excited that

233

00:10:24,440 --> 00:10:23,160

the Kickstarter is already at a point

234

00:10:27,590 --> 00:10:24,450

that we know that's going to happen

235

00:10:29,120 --> 00:10:27,600

that's fantastic I'm I you I wish I

236

00:10:30,470 --> 00:10:29,130

could do that for a living sometimes

237

00:10:32,420 --> 00:10:30,480

well I wish I could do it for a living

238

00:10:35,000 --> 00:10:32,430

too but that's not I'm a pilot this is

239

00:10:35,890 --> 00:10:35,010

this is a hobby that I just AM evening

240

00:10:41,040 --> 00:10:35,900

yeah

241

00:10:43,090 --> 00:10:41,050

expensive hobby right now but hopefully

242

00:10:44,800 --> 00:10:43,100

hopefully with the Kickstarter can

243

00:10:48,550 --> 00:10:44,810

actually support itself that website

244

00:10:51,520 --> 00:10:48,560

again carbon comic com carbon comic com

245

00:10:54,010 --> 00:10:51,530

have a look folks and now you've met the

246

00:11:00,490 --> 00:10:54,020

man behind carbon dating thank you very

247

00:11:04,790 --> 00:11:03,050

it's just one of those afternoons of the

248

00:11:06,170 --> 00:11:04,800

amazing meeting where people have just

249

00:11:07,400 --> 00:11:06,180

gone in for a session there are still a

250

00:11:09,380 --> 00:11:07,410

lot of people out here in the hall

251
00:11:13,580 --> 00:11:09,390
walking by the Australian skeptics table

252
00:11:16,790 --> 00:11:13,590
and I'm with Kathy Smith hi it says yes

253
00:11:22,970 --> 00:11:16,800
I'm the Kathy Smith what does that Damon

254
00:11:26,780 --> 00:11:22,980
well it's a very common name oh and one

255
00:11:30,770 --> 00:11:26,790
of the workshops I was mentioned as an

256
00:11:33,410 --> 00:11:30,780
example as a blogger and that didn't

257
00:11:35,930 --> 00:11:33,420
want to blog you know and so she said my

258
00:11:38,060 --> 00:11:35,940
friend Kathy Smith you know and so

259
00:11:42,530 --> 00:11:38,070
that's the Kathy Smith she was referring

260
00:11:45,860 --> 00:11:42,540
to what's your blog I wrote a couple of

261
00:11:47,900 --> 00:11:45,870
articles on skeptic ink that the first

262
00:11:51,980 --> 00:11:47,910
one was on dietary supplements the

263
00:11:54,740 --> 00:11:51,990

second one was a flu vaccines and in the

264

00:11:58,160 --> 00:11:54,750

workplace for health care workers and

265

00:12:00,530 --> 00:11:58,170

the third one was about vitamins okay

266

00:12:02,810 --> 00:12:00,540

and I met you here last year at the

267

00:12:04,900 --> 00:12:02,820

amazing yes I seem to remember singing

268

00:12:08,930 --> 00:12:04,910

songs with you long into the night

269

00:12:11,120 --> 00:12:08,940

natoma this is your second second tier

270

00:12:16,010 --> 00:12:11,130

second tab and what got you into

271

00:12:18,310 --> 00:12:16,020

skepticism oh wow um and y-you and then

272

00:12:23,130 --> 00:12:18,320

that road legend attempt right yeah

273

00:12:28,600 --> 00:12:23,140

well I was studying homeopathy really

274

00:12:30,820 --> 00:12:28,610

wow yeah we moved up from Texas to

275

00:12:32,860 --> 00:12:30,830

Michigan uh-huh and I was four months

276

00:12:37,270 --> 00:12:32,870

pregnant so I didn't want to find a job

277

00:12:39,310 --> 00:12:37,280

so his work offered me money towards

278

00:12:43,480 --> 00:12:39,320

either finding a job or towards

279

00:12:47,310 --> 00:12:43,490

education and you know I've had family

280

00:12:50,740 --> 00:12:47,320

being from Germany I've had family that

281

00:12:54,940 --> 00:12:50,750

always subscribed to homeopathy it's big

282

00:12:58,330 --> 00:12:54,950

over there yeah and as a pharmacist you

283

00:13:00,610 --> 00:12:58,340

know I was I was curious and the british

284

00:13:05,140 --> 00:13:00,620

institute of homeopathy offered the

285

00:13:09,250 --> 00:13:05,150

course especially for pharmacists and it

286

00:13:14,170 --> 00:13:09,260

was in the exact amount that the that my

287

00:13:16,180 --> 00:13:14,180

husband's job was offering oh there you

288

00:13:21,130 --> 00:13:16,190

go and i should definitely take this

289

00:13:23,920 --> 00:13:21,140

course and yeah it was kind of strange

290

00:13:30,520 --> 00:13:23,930

it was it didn't match anything that I

291

00:13:32,530 --> 00:13:30,530

learned in pharmacy school and and and

292

00:13:34,630 --> 00:13:32,540

yeah I was pending I guess I was pretty

293

00:13:38,890 --> 00:13:34,640

vulnerable you know that that a

294

00:13:41,050 --> 00:13:38,900

university would teach something I mean

295

00:13:43,300 --> 00:13:41,060

I if the university is teaching

296

00:13:48,790 --> 00:13:43,310

something I thought well it has to be

297

00:13:51,910 --> 00:13:48,800

true why would they right yeah but so I

298

00:13:53,689 --> 00:13:51,920

had I had a difficult time reconciling

299

00:13:57,859 --> 00:13:53,699

it

300

00:13:59,659 --> 00:13:57,869

so but so that was really something that

301

00:14:02,269 --> 00:13:59,669

sparked your interest in skepticism in

302

00:14:05,569 --> 00:14:02,279

general somehow I got led into

303

00:14:09,739 --> 00:14:05,579

skepticism I had a little iPod that my

304

00:14:12,769 --> 00:14:09,749

brother gave me and learned how to

305

00:14:16,280 --> 00:14:12,779

download podcast and I wanted to educate

306

00:14:19,309 --> 00:14:16,290

myself and things I was interested in

307

00:14:23,090 --> 00:14:19,319

and I came across across a mark Chris

308

00:14:26,449 --> 00:14:23,100

lip and whose webcast and I was hooked

309

00:14:28,759 --> 00:14:26,459

you know it's a good yeah good podcast I

310

00:14:32,210 --> 00:14:28,769

was yeah and he mentioned skeptics guide

311

00:14:35,109 --> 00:14:32,220

to the universe yes yes and you know I

312

00:14:37,939 --> 00:14:35,119

feel like I'm part of their family yeah

313

00:14:39,590 --> 00:14:37,949

they're all they're all gone at they're

314

00:14:42,799 --> 00:14:39,600

usually on the table right right this

315

00:14:44,030 --> 00:14:42,809

yeah I think they've all even gone to

316

00:14:47,269 --> 00:14:44,040

hear the talk or they're recording

317

00:14:50,509 --> 00:14:47,279

something right now yeah so so yeah

318

00:14:53,419 --> 00:14:50,519

you're just one of the people that come

319

00:14:55,759 --> 00:14:53,429

along at am we met singing songs last

320

00:14:57,169 --> 00:14:55,769

year after over and it was really nice

321

00:14:59,299 --> 00:14:57,179

when I arrived and I was looking around

322

00:15:02,299 --> 00:14:59,309

and you turned up from there you were I

323

00:15:05,389 --> 00:15:02,309

was like okay I remember again that was

324

00:15:07,999 --> 00:15:05,399

amazed at ya remembered me it's the

325

00:15:10,609 --> 00:15:08,009

singing that didn't know okay you speak

326

00:15:14,599 --> 00:15:10,619

German IRA yeah I was blown away that

327

00:15:16,579 --> 00:15:14,609

you remembered that well Kathy it's

328

00:15:18,349 --> 00:15:16,589

really great to see you here at dam and

329

00:15:21,109 --> 00:15:18,359

I hope you have a wonderful rest of the

330

00:15:21,950 --> 00:15:21,119

convention oh I'm having a blast so nice

331

00:15:29,360 --> 00:15:21,960

seeing you

332

00:15:33,350 --> 00:15:29,370

thank you if it isn't spoon equine hi

333

00:15:34,820 --> 00:15:33,360

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

334

00:15:36,470 --> 00:15:34,830

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

335

00:15:38,930 --> 00:15:36,480

actually it's the day after the last day

336

00:15:41,690 --> 00:15:38,940

of town is done here [h__h] Lamar the

337

00:15:43,520 --> 00:15:41,700

morning after suitcases are packed

338

00:15:47,570 --> 00:15:43,530

people sitting around it's that sort of

339

00:15:50,360 --> 00:15:47,580

a day now Spooky you are I know a

340

00:15:55,220 --> 00:15:50,370

particular fan of the the adventure

341

00:16:00,950 --> 00:15:55,230

solar flare I am yes I I think it is

342

00:16:04,220 --> 00:16:00,960

quite inventive yes in finding in the

343

00:16:05,780 --> 00:16:04,230

clever yes you and you did something

344

00:16:09,050 --> 00:16:05,790

really nice you actually drew a portrait

345

00:16:11,840 --> 00:16:09,060

of me as Captain Saunders of the solar

346

00:16:13,790 --> 00:16:11,850

flare on the bridge in my uniform and

347

00:16:16,190 --> 00:16:13,800

it's really fantastic and I think you're

348

00:16:17,960 --> 00:16:16,200

also working on another one where the

349

00:16:21,500 --> 00:16:17,970

solar flare crew are being attacked by

350

00:16:24,080 --> 00:16:21,510

the flying monkeys yes I am um I I kind

351

00:16:26,660 --> 00:16:24,090

of me I had like a lot of chaotic things

352

00:16:29,060 --> 00:16:26,670

going on in my life and I and I'm like

353

00:16:31,340 --> 00:16:29,070

this close to being done but like I had

354

00:16:33,110 --> 00:16:31,350

it packed up and I couldn't finish it

355

00:16:34,910 --> 00:16:33,120

but I'll have I'll have to send it to

356

00:16:38,750 --> 00:16:34,920

you I haven't wanted to see this in

357

00:16:40,460 --> 00:16:38,760

person oh yes you seamless photos now

358

00:16:42,200 --> 00:16:40,470

we're Spooky is actually showing you

359

00:16:44,750 --> 00:16:42,210

some of her current art collection you a

360

00:16:46,370 --> 00:16:44,760

speedy you've been coming to a cam now

361

00:16:49,040 --> 00:16:46,380

for three years something like that yeah

362

00:16:51,770 --> 00:16:49,050

yeah and you keep coming back so i guess

363

00:16:54,170 --> 00:16:51,780

you enjoy it oh yes I I wouldn't miss it

364

00:16:56,450 --> 00:16:54,180

for the world i mean even though i was

365

00:16:58,430 --> 00:16:56,460

packing like I you know was going to

366

00:17:00,380 --> 00:16:58,440

court with the crazy landlords and

367

00:17:02,210 --> 00:17:00,390

packing up my stuff I didn't have a

368

00:17:05,000 --> 00:17:02,220

place to live when I came here I was

369

00:17:07,220 --> 00:17:05,010

like but I'm still going to tan right

370

00:17:08,840 --> 00:17:07,230

and now I at least I i also have a place

371

00:17:11,180 --> 00:17:08,850

to move into so that's that's cool so

372

00:17:14,990 --> 00:17:11,190

when when i get my art stuff i will

373

00:17:16,250 --> 00:17:15,000

unpack my drawings i see i well that's

374

00:17:18,220 --> 00:17:16,260

is something that's just something i'm

375

00:17:21,030 --> 00:17:18,230

glad you enjoyed cam again this year and

376

00:17:25,800 --> 00:17:21,040

well I who knows maybe you'll see

377

00:17:28,620 --> 00:17:25,810

in 1 2015 I hope so I really do I'm

378

00:17:31,740 --> 00:17:28,630

planning on it now sprinting I think

379

00:17:34,020 --> 00:17:31,750

you've got a blog tension yes it's

380

00:17:35,880 --> 00:17:34,030

called mad science writer so you can put

381

00:17:38,580 --> 00:17:35,890

your mad science writings and cooks down

382

00:17:40,230 --> 00:17:38,590

on your blog there I do although life

383

00:17:42,600 --> 00:17:40,240

has been completely hectic I haven't

384

00:17:46,260 --> 00:17:42,610

been able to UM that much recently

385

00:17:49,170 --> 00:17:46,270

actually um but I'm fully planning on it

386

00:17:52,200 --> 00:17:49,180

and in my new place hopefully I'm just

387

00:17:54,330 --> 00:17:52,210

able to get my brains together dr. Karl

388

00:17:56,940 --> 00:17:54,340

cruise in ski I was actually discussing

389

00:18:01,320 --> 00:17:56,950

this with him and he was encouraging me

390

00:18:05,040 --> 00:18:01,330

to uh to uh well how good writing habits

391

00:18:07,710 --> 00:18:05,050

that's good on a lot of people were like

392

00:18:09,420 --> 00:18:07,720

running right all the time yeah when he

393

00:18:11,190 --> 00:18:09,430

was here dr. Carr was a really popular

394

00:18:13,020 --> 00:18:11,200

man and I was very pleased because a lot

395

00:18:17,640 --> 00:18:13,030

of Americans don't know who he is but

396

00:18:20,640 --> 00:18:17,650

after Camelot did he see everybody's

397

00:18:23,100 --> 00:18:20,650

running his influence yes he's off he's

398

00:18:26,220 --> 00:18:23,110

very awesome you know Carl was writing

399

00:18:28,560 --> 00:18:26,230

all through tam and he wrote who this he

400

00:18:31,710 --> 00:18:28,570

like rewrote his talk or something while

401
00:18:33,540 --> 00:18:31,720
at tammer he did yes the sort of better

402
00:18:35,490 --> 00:18:33,550
sort of man he is and spinning this is a

403
00:18:38,970 --> 00:18:35,500
sort of person people meet when they

404
00:18:41,790 --> 00:18:38,980
come into the amazing media it is and I

405
00:18:57,690 --> 00:18:41,800
am also the kind of person people meet

406
00:18:59,100 --> 00:18:57,700
thanks Rudy and yes okay hi I'm Finn and

407
00:19:01,200 --> 00:18:59,110
I'm Rebecca and where the skipper

408
00:19:03,120 --> 00:19:01,210
Collins skipper Collins is an Irish

409
00:19:04,830 --> 00:19:03,130
podcast by the Dublin skeptics society

410
00:19:06,780 --> 00:19:04,840
it takes a conversational reverent look

411
00:19:08,400 --> 00:19:06,790
at science news and skeptical topics

412
00:19:24,700 --> 00:19:08,410
from an Irish perspective you can find

413
00:19:29,299 --> 00:19:27,320

this is Bob blaskowitz from the Houston

414

00:19:32,150 --> 00:19:29,309

cancer quack calm and the virtual

415

00:19:34,010 --> 00:19:32,160

skeptics I want to update skeptic zone

416

00:19:35,960 --> 00:19:34,020

listeners to the state of the Burzynski

417

00:19:36,860 --> 00:19:35,970

effort in the United States is there

418

00:19:38,690 --> 00:19:36,870

have been a number of positive

419

00:19:40,850 --> 00:19:38,700

developments in the last few weeks that

420

00:19:42,440 --> 00:19:40,860

suggests that the Texas Medical Board is

421

00:19:44,480 --> 00:19:42,450

throwing everything that they have at

422

00:19:47,150 --> 00:19:44,490

the Burzynski clinic Stanislaw Burzynski

423

00:19:49,130 --> 00:19:47,160

as you may know is the Houston cancer

424

00:19:51,919 --> 00:19:49,140

quack who sells off-label urea cycle

425

00:19:53,390 --> 00:19:51,929

drugs as an alternative chemotherapy to

426

00:19:55,880 --> 00:19:53,400

patients with the most intractable

427

00:19:58,820 --> 00:19:55,890

childhood brain stem tumors under the

428

00:20:00,440 --> 00:19:58,830

auspices of over 60 fifteen-year-old

429

00:20:02,299 --> 00:20:00,450

clinical trials that have never

430

00:20:04,460 --> 00:20:02,309

generated meaningful results and that

431

00:20:06,680 --> 00:20:04,470

can cost patients upwards of thirty

432

00:20:08,299 --> 00:20:06,690

thousand dollars to begin patients were

433

00:20:10,280 --> 00:20:08,309

not on his apparently unpublishable

434

00:20:12,620 --> 00:20:10,290

trials can enter Burzynski's private

435

00:20:15,200 --> 00:20:12,630

practice where he prescribes cocktails

436

00:20:16,880 --> 00:20:15,210

of low-dose chemotherapy and always a

437

00:20:19,610 --> 00:20:16,890

sodium than Oh butyrate which he

438

00:20:21,320 --> 00:20:19,620

manufactures he does this on the basis

439

00:20:24,140 --> 00:20:21,330
of the equivalent of genetic palm

440

00:20:27,590 --> 00:20:24,150
reading he calls this personalized

441

00:20:30,110 --> 00:20:27,600
targeted gene therapy on the heels of

442

00:20:32,330 --> 00:20:30,120
the FDA's baffling decision to allow

443

00:20:34,370 --> 00:20:32,340
Burzynski's ridiculous trials to proceed

444

00:20:36,950 --> 00:20:34,380
three documents have been released by

445

00:20:38,900 --> 00:20:36,960
the Texas Medical Board the first is a

446

00:20:41,360 --> 00:20:38,910
ruling on the part of the board that

447

00:20:44,120 --> 00:20:41,370
Brezinski is employee dr. robert weaver

448

00:20:46,340 --> 00:20:44,130
had been disciplined Weaver as small

449

00:20:47,990 --> 00:20:46,350
potatoes in the Burzynski saga but what

450

00:20:50,299 --> 00:20:48,000
was most interesting to me about this

451
00:20:51,950 --> 00:20:50,309
ruling is how the Texas Medical Board

452
00:20:55,640 --> 00:20:51,960
described the relationship between

453
00:20:58,669 --> 00:20:55,650
brzezinski Weaver and patient care first

454
00:21:01,130 --> 00:20:58,679
quote respondent Weaver and his employer

455
00:21:02,630 --> 00:21:01,140
dr. Stanislaw Burzynski implemented

456
00:21:04,310 --> 00:21:02,640
multiple therapies which had

457
00:21:06,830 --> 00:21:04,320
insufficient evidence of clinical

458
00:21:09,850 --> 00:21:06,840
efficacy and high probability of

459
00:21:12,500 --> 00:21:09,860
additive toxicities and second

460
00:21:14,660 --> 00:21:12,510
respondent admitted that he participated

461
00:21:16,880 --> 00:21:14,670
in regular meetings with dr. Burzynski

462
00:21:19,250 --> 00:21:16,890
to discuss the patient's case and to

463
00:21:22,820 --> 00:21:19,260

formulate a treatment plan describing

464

00:21:24,830 --> 00:21:22,830

the process as a quote team effort the

465

00:21:26,419 --> 00:21:24,840

latter findings an important point given

466

00:21:27,410 --> 00:21:26,429

how Pierzynski slithered away from the

467

00:21:29,720 --> 00:21:27,420

last round of

468

00:21:31,460 --> 00:21:29,730

medical board actions he claimed that he

469

00:21:33,770 --> 00:21:31,470

wasn't treating patients that his

470

00:21:36,050 --> 00:21:33,780

employees were essentially throwing them

471

00:21:37,910 --> 00:21:36,060

under the bus it seems to me that Weaver

472

00:21:39,800 --> 00:21:37,920

has been cooperating and that I think

473

00:21:42,170 --> 00:21:39,810

bodes well for the board's upcoming

474

00:21:45,050 --> 00:21:42,180

actions against Brzezinski the next

475

00:21:47,030 --> 00:21:45,060

document dated june thirteenth outlines

476
00:21:48,590 --> 00:21:47,040
a series of charges leveled against

477
00:21:52,250 --> 00:21:48,600
another britain ski clinic employee

478
00:21:54,500 --> 00:21:52,260
doctors gin ye again we see charges

479
00:21:57,260 --> 00:21:54,510
related to a patient on the so-called

480
00:21:59,450 --> 00:21:57,270
targeted gene therapy track there are

481
00:22:01,760 --> 00:21:59,460
charges of ordering unnecessary tests

482
00:22:03,560 --> 00:22:01,770
failure to provide medical rationales

483
00:22:06,020 --> 00:22:03,570
for the tests prescribing drugs with

484
00:22:08,090 --> 00:22:06,030
overlapping toxicity profiles again

485
00:22:10,640 --> 00:22:08,100
without medical rationale and non

486
00:22:12,950 --> 00:22:10,650
therapeutical prescribing of the Brazil

487
00:22:15,830 --> 00:22:12,960
ski clinic signature drug sodium fennel

488
00:22:18,470 --> 00:22:15,840

beauty which as I said is manufactured

489

00:22:22,250 --> 00:22:18,480

by Yi's employer again this is another

490

00:22:24,800 --> 00:22:22,260

good sign the last document was released

491

00:22:27,350 --> 00:22:24,810

during the amazing meeting and it was a

492

00:22:29,270 --> 00:22:27,360

humdinger here's how a thousand tam

493

00:22:37,009 --> 00:22:29,280

goers responded when George Rob

494

00:22:42,690 --> 00:22:40,289

cindy texas medical order at least two

495

00:22:52,070 --> 00:22:42,700

hundred two pages of charges against the

496

00:22:54,930 --> 00:22:52,080

houston cancer plan for next week as

497

00:22:57,720 --> 00:22:54,940

outlined by liz szabo and USA Today this

498

00:22:59,609 --> 00:22:57,730

weekend the new charges apply to 29

499

00:23:01,080 --> 00:22:59,619

patients including charges that he

500

00:23:03,659 --> 00:23:01,090

deceived patients in a number of ways

501
00:23:05,700 --> 00:23:03,669
including and I quote by making patients

502
00:23:07,799 --> 00:23:05,710
pay a retainer before receiving any

503
00:23:10,590 --> 00:23:07,809
diagnosis or treatment by performing

504
00:23:12,779 --> 00:23:10,600
unnecessary tests and non therapeutic

505
00:23:15,779 --> 00:23:12,789
treatment with no potential to help them

506
00:23:17,759 --> 00:23:15,789
by imposing exorbitant charges for drugs

507
00:23:19,859 --> 00:23:17,769
and lab tests without telling patients

508
00:23:22,769 --> 00:23:19,869
that he also owned the pharmacy and the

509
00:23:24,659 --> 00:23:22,779
lab being used by allowing unlicensed

510
00:23:27,389 --> 00:23:24,669
staff to treat patients while describing

511
00:23:29,460 --> 00:23:27,399
the staff as doctors Burzynski also

512
00:23:31,710 --> 00:23:29,470
prescribed unapproved combinations of

513
00:23:34,109 --> 00:23:31,720

highly toxic chemotherapy in ways that

514

00:23:36,570 --> 00:23:34,119

caused harm to several patients end

515

00:23:37,950 --> 00:23:36,580

quote this is encouraging and I like to

516

00:23:39,359 --> 00:23:37,960

think that the pressure that skeptics

517

00:23:41,129 --> 00:23:39,369

have put on the Medical Board has

518

00:23:43,680 --> 00:23:41,139

contributed to the new charges and the

519

00:23:46,259 --> 00:23:43,690

vigor with which brzezinski is currently

520

00:23:47,999 --> 00:23:46,269

being pursued listeners in the states

521

00:23:50,129 --> 00:23:48,009

can contact the representatives again

522

00:23:51,960 --> 00:23:50,139

and bring the new USA Today article to

523

00:23:54,960 --> 00:23:51,970

their attention to demonstrate the

524

00:23:56,519 --> 00:23:54,970

gravity of this situation and please

525

00:23:58,830 --> 00:23:56,529

send any formal response you received

526

00:24:02,580 --> 00:23:58,840

from your representatives to the email

527

00:24:04,019 --> 00:24:02,590

address skeptics protect @ gmail.com the

528

00:24:05,940 --> 00:24:04,029

skeptics for the protection of cancer

529

00:24:08,940 --> 00:24:05,950

patients will forward those responses to

530

00:24:11,070 --> 00:24:08,950

Senator McCaskill office if you live in

531

00:24:12,749 --> 00:24:11,080

the state of Texas you should contact

532

00:24:14,909 --> 00:24:12,759

the governor's office about this

533

00:24:17,099 --> 00:24:14,919

Burzynski is well-connected politically

534

00:24:18,979 --> 00:24:17,109

and we just want to make sure the office

535

00:24:21,239 --> 00:24:18,989

knows that we're watching very closely

536

00:24:23,460 --> 00:24:21,249

thank you very much for all you've done

537

00:24:25,979 --> 00:24:23,470

and for all that you will do we are

538

00:24:27,810 --> 00:24:25,989

making a difference this is Bob

539

00:24:42,470 --> 00:24:27,820

blaskowitz from the Houston cancer quack

540

00:24:42,480 --> 00:24:48,260

you

541

00:24:53,430 --> 00:24:51,630

hi I'm audit oh yeah I Kristen or we

542

00:24:55,140 --> 00:24:53,440

will tips advice on logic lifted off the

543

00:24:57,120 --> 00:24:55,150

skeptics ohm ohm skip the comedian or

544

00:24:59,010 --> 00:24:57,130

again the finish k blog gear upper bleph

545

00:25:00,180 --> 00:24:59,020

a podcast of ran against capsis driven

546

00:25:02,520 --> 00:25:00,190

you looking for a method actor is mack

547

00:25:04,860 --> 00:25:02,530

center of a step sister n law or

548

00:25:06,659 --> 00:25:04,870

hypothesis the deep plane or kitchen and

549

00:25:08,010 --> 00:25:06,669

calendar or escape disc after death at

550

00:25:10,080 --> 00:25:08,020

all i need you till on will escape this

551
00:25:11,430 --> 00:25:10,090
Gossage escapes his blog in a plethora d

552
00:25:13,080 --> 00:25:11,440
Emily or the disc aters heavy APIs

553
00:25:16,529 --> 00:25:13,090
guesses for domestic Kingdom or dare to

554
00:25:19,260 --> 00:25:16,539
yourself Skip's is top angle hello I'm

555
00:25:20,640 --> 00:25:19,270
moderate and I'm Kristin and we want to

556
00:25:22,289 --> 00:25:20,650
let you know that there are lots of

557
00:25:24,210 --> 00:25:22,299
Norwegian skeptics for you to get to

558
00:25:26,130 --> 00:25:24,220
know their blogs and permits and a

559
00:25:27,600 --> 00:25:26,140
podcast and the Norwegian skeptics also

560
00:25:29,549 --> 00:25:27,610
do paranormal tests and consumer

561
00:25:32,430 --> 00:25:29,559
activism to find out more Google

562
00:25:40,230 --> 00:25:32,440
Norwegian skeptics or visit skep season

563
00:25:45,790 --> 00:25:43,150

welcome to a week in science from our

564

00:25:48,670 --> 00:25:45,800

iOS bring you the science you need to

565

00:25:51,100 --> 00:25:48,680

know genetically modified organisms or

566

00:25:57,040 --> 00:25:51,110

GMOs are rapidly becoming part of our

567

00:25:59,110 --> 00:25:57,050

food chain but are they safe GMOs are

568

00:26:01,630 --> 00:25:59,120

plants or animals that have had their

569

00:26:05,080 --> 00:26:01,640

genetic code manipulated through genetic

570

00:26:07,870 --> 00:26:05,090

engineering a leading myth about GMOs is

571

00:26:10,510 --> 00:26:07,880

that rats fed on corn modified to be

572

00:26:12,970 --> 00:26:10,520

resistant to a weed killer go on to

573

00:26:15,760 --> 00:26:12,980

develop cancer this stems from a paper

574

00:26:18,190 --> 00:26:15,770

published in 2012 by a French research

575

00:26:20,260 --> 00:26:18,200

group but the project was so poorly

576

00:26:22,780 --> 00:26:20,270

conducted including using rats

577

00:26:25,770 --> 00:26:22,790

predisposed to getting cancer that the

578

00:26:29,020 --> 00:26:25,780

journal retracted the paper in 2013

579

00:26:31,500 --> 00:26:29,030

furthermore no independent test has been

580

00:26:35,530 --> 00:26:31,510

able to replicate the study's findings

581

00:26:38,410 --> 00:26:35,540

an internet mean doing the rounds

582

00:26:40,990 --> 00:26:38,420

suggests that GMOs are responsible for

583

00:26:43,090 --> 00:26:41,000

killing off the humble honey bee while

584

00:26:44,740 --> 00:26:43,100

it's true that honey bee numbers have

585

00:26:47,650 --> 00:26:44,750

been in steep decline across the

586

00:26:50,620 --> 00:26:47,660

Americas and Europe this is not jus to

587

00:26:52,930 --> 00:26:50,630

GM crops the argument put forward is

588

00:26:55,810 --> 00:26:52,940

that some GMOs have a built-in

589

00:26:58,930 --> 00:26:55,820

insecticide called bt toxin that's

590

00:27:01,750 --> 00:26:58,940

killing the bees but bt toxin is

591

00:27:05,200 --> 00:27:01,760

considered to be safe because it only

592

00:27:07,720 --> 00:27:05,210

kills insects that eat the plant not the

593

00:27:10,300 --> 00:27:07,730

bees which pollinate them in fact many

594

00:27:13,060 --> 00:27:10,310

beekeepers spray their hives with bt

595

00:27:16,450 --> 00:27:13,070

toxin to get rid of other pest species

596

00:27:20,060 --> 00:27:16,460

while leaving the bees alone now for

597

00:27:24,230 --> 00:27:20,070

fast facts about GMO safety

598

00:27:26,470 --> 00:27:24,240

a recent count reveals over 33,000

599

00:27:30,230 --> 00:27:26,480

peer-reviewed papers have been published

600

00:27:32,840 --> 00:27:30,240

investigating the safety of GMOs to date

601
00:27:35,690 --> 00:27:32,850
no serious problem has been identified

602
00:27:38,240 --> 00:27:35,700
it's a myth that oils sugars and other

603
00:27:40,940 --> 00:27:38,250
extracts from GMOs are somehow different

604
00:27:43,490 --> 00:27:40,950
from those derived from non-gmo crops

605
00:27:45,800 --> 00:27:43,500
despite early predictions that genetic

606
00:27:48,560 --> 00:27:45,810
engineering would produce uncontrollable

607
00:27:51,290 --> 00:27:48,570
monsters or dangerous side effects to

608
00:27:53,510 --> 00:27:51,300
date none have been found and fears that

609
00:27:56,540 --> 00:27:53,520
GMO traits can escape into world

610
00:27:59,450 --> 00:27:56,550
populations are unfounded after more

611
00:28:02,300 --> 00:27:59,460
than 20 years of GMO technology it's

612
00:28:05,030 --> 00:28:02,310
never happened we've only considered the

613
00:28:08,000 --> 00:28:05,040

science and safety of GMOs and the

614

00:28:10,190 --> 00:28:08,010

science is in their safe but there are

615

00:28:12,560 --> 00:28:10,200

other concerns about corporatization of

616

00:28:14,210 --> 00:28:12,570

the food supply and the political and

617

00:28:17,210 --> 00:28:14,220

social handling of the introduction of

618

00:28:19,940 --> 00:28:17,220

GMOs that do require further discussion

619

00:28:24,680 --> 00:28:19,950

you want to know more about GMO safety

620

00:28:28,160 --> 00:28:24,690

go to the rirs website RI au s org a you

621

00:28:30,680 --> 00:28:28,170

follow us on twitter at our iOS and like

622

00:28:37,320 --> 00:28:30,690

us on Facebook I'm Paul Willis will

623

00:28:37,330 --> 00:28:57,680

on Maynard com don't you hey you

624

00:29:03,990 --> 00:29:02,190

bunga bunga bunga bunga on today's show

625

00:29:07,030 --> 00:29:04,000

amazing facts and things you never knew

626

00:29:11,260 --> 00:29:07,040

with myself may not end to

627

00:29:13,300 --> 00:29:11,270

I thought we'd use the Avengers theme

628

00:29:15,640 --> 00:29:13,310

from the movie because you'd be pretty

629

00:29:17,950 --> 00:29:15,650

safe that no one saw the Avengers movie

630

00:29:20,680 --> 00:29:17,960

they gave me their stuff which the

631

00:29:23,650 --> 00:29:20,690

doctor described has the drug that

632

00:29:26,980 --> 00:29:23,660

killed Michael Jackson and I thought oh

633

00:29:29,290 --> 00:29:26,990

well that's company it was a party but I

634

00:29:31,420 --> 00:29:29,300

wasn't invited isn't modern medicine

635

00:29:33,910 --> 00:29:31,430

great Oh modern medicine is just the

636

00:29:35,800 --> 00:29:33,920

bee's knees you think of people who say

637

00:29:37,480 --> 00:29:35,810

yeah the great thing about this is

638

00:29:41,290 --> 00:29:37,490

they've been taking it for centuries

639

00:29:43,030 --> 00:29:41,300

like in 3000 BC people were taking this

640

00:29:45,040 --> 00:29:43,040

for the common cold what they're saying

641

00:29:46,840 --> 00:29:45,050

is hard to understand because they're

642

00:29:48,730 --> 00:29:46,850

speaking through a nose of snot that

643

00:30:04,030 --> 00:29:48,740

will remain for at least three week on

644

00:30:11,060 --> 00:30:04,040

Maynard calm don't you hey you here's

645

00:30:15,360 --> 00:30:13,259

I'll start my first question I'm here

646

00:30:17,490 --> 00:30:15,370

with John Bell a pharmacist and keynote

647

00:30:18,930 --> 00:30:17,500

speaker here today what your history is

648

00:30:20,970 --> 00:30:18,940

a farmers as to how many years have you

649

00:30:22,470 --> 00:30:20,980

been we know giving out the tablets and

650

00:30:24,840 --> 00:30:22,480

mixing stuff behind the screen well I

651
00:30:26,820 --> 00:30:24,850
I've been the pharmacist in community

652
00:30:30,659 --> 00:30:26,830
practice for over 40 years now manor

653
00:30:33,060 --> 00:30:30,669
sent a lot of changes of course and as

654
00:30:35,460 --> 00:30:33,070
you implied initially it was just giving

655
00:30:37,169 --> 00:30:35,470
the tablets it's still that is still

656
00:30:39,090 --> 00:30:37,179
dispensing and providing

657
00:30:41,249 --> 00:30:39,100
non-prescription medicines but these

658
00:30:43,740 --> 00:30:41,259
days very much more so it's providing

659
00:30:46,740 --> 00:30:43,750
advice to make sure the medication is

660
00:30:48,240 --> 00:30:46,750
used in the best possible way and the

661
00:30:50,639 --> 00:30:48,250
side effects are minimized because we

662
00:30:52,529 --> 00:30:50,649
know with every medication there's an

663
00:30:54,419 --> 00:30:52,539

advantage in the disadvantage so we need

664

00:30:56,249 --> 00:30:54,429

to optimize the benefits minimize the

665

00:30:57,419 --> 00:30:56,259

risks yeah well usually if it hasn't

666

00:30:58,860 --> 00:30:57,429

gotten any side effects it hasn't

667

00:31:00,869 --> 00:30:58,870

actually got any effect that's

668

00:31:03,029 --> 00:31:00,879

absolutely right we know that everything

669

00:31:06,360 --> 00:31:03,039

that works has the potential to do some

670

00:31:09,330 --> 00:31:06,370

damage and most of the time not much

671

00:31:11,789 --> 00:31:09,340

damage but but of course the more potent

672

00:31:13,950 --> 00:31:11,799

medicines the the the more likely they

673

00:31:15,749 --> 00:31:13,960

are to cause some problems if they're

674

00:31:18,060 --> 00:31:15,759

not used properly what if people

675

00:31:19,889 --> 00:31:18,070

sometimes get stuck into the alternative

676
00:31:21,869 --> 00:31:19,899
side of medicine and sometimes delay

677
00:31:23,249 --> 00:31:21,879
actual medicine sometimes that can

678
00:31:25,019 --> 00:31:23,259
happen they go I'll try this alternative

679
00:31:27,509 --> 00:31:25,029
treatment and that can actually not work

680
00:31:29,389 --> 00:31:27,519
or delay proper treatment hi I think

681
00:31:31,080 --> 00:31:29,399
it's really important to know that

682
00:31:33,720 --> 00:31:31,090
unfortunately there are medicines that

683
00:31:35,549 --> 00:31:33,730
work and those that don't and and that

684
00:31:39,389 --> 00:31:35,559
those that don't often fall into that

685
00:31:42,180 --> 00:31:39,399
alternative group and sometimes they do

686
00:31:44,669 --> 00:31:42,190
they don't do any harm but the harm they

687
00:31:48,600 --> 00:31:44,679
can do of course as you've indicated is

688
00:31:50,789 --> 00:31:48,610

delaying good treatment so our

689

00:31:52,499 --> 00:31:50,799

recommendation of course is always to to

690

00:31:54,210 --> 00:31:52,509

get your pharmacist advice whether it's

691

00:31:55,860 --> 00:31:54,220

a prescription product or non

692

00:31:57,629 --> 00:31:55,870

prescription medicine to make sure that

693

00:32:00,060 --> 00:31:57,639

you're using something that really works

694

00:32:01,710 --> 00:32:00,070

for you mmm I'm just trying to think of

695

00:32:03,840 --> 00:32:01,720

actual medicines over the years that

696

00:32:05,940 --> 00:32:03,850

have but there was a there was a weight

697

00:32:07,980 --> 00:32:05,950

loss pill that took fat out of your body

698

00:32:09,269 --> 00:32:07,990

if you years ago and I think it's still

699

00:32:11,519 --> 00:32:09,279

around i'm not going to mention it and

700

00:32:13,350 --> 00:32:11,529

it did have some nasty side effects that

701
00:32:14,549 --> 00:32:13,360
it's probably not prescribe very much

702
00:32:17,399 --> 00:32:14,559
anymore you know that I'm talking about

703
00:32:20,519 --> 00:32:17,409
I do indeed look look that the side

704
00:32:22,289 --> 00:32:20,529
effect was actually a an effect

705
00:32:23,420 --> 00:32:22,299
associated with its benefit as well it

706
00:32:25,310 --> 00:32:23,430
took that out but of

707
00:32:27,350 --> 00:32:25,320
has to go somewhere it certainly does

708
00:32:29,240 --> 00:32:27,360
and and and that could lead to very

709
00:32:32,450 --> 00:32:29,250
nasty uncomfortable side effects that

710
00:32:34,010 --> 00:32:32,460
we're not not only uncomfortable but may

711
00:32:37,370 --> 00:32:34,020
be disconcerting for the people around

712
00:32:39,650 --> 00:32:37,380
you as well so yeah look at that

713
00:32:41,840 --> 00:32:39,660

medication is still used and it was used

714

00:32:43,820 --> 00:32:41,850

appropriately it can work well but I

715

00:32:46,490 --> 00:32:43,830

think that that's the secret the things

716

00:32:49,130 --> 00:32:46,500

need to be used appropriately they need

717

00:32:51,800 --> 00:32:49,140

to be used with due care and in many

718

00:32:53,500 --> 00:32:51,810

medications which when used properly it

719

00:32:56,510 --> 00:32:53,510

can be very effective if used

720

00:32:58,130 --> 00:32:56,520

inappropriately or too much not at

721

00:33:00,350 --> 00:32:58,140

the right time then they can certainly

722

00:33:02,060 --> 00:33:00,360

cause very nasty effects mmm look with

723

00:33:04,370 --> 00:33:02,070

all your use of pharmacy do you think

724

00:33:06,110 --> 00:33:04,380

we've become as a society a little bit

725

00:33:08,150 --> 00:33:06,120

expecting the magic bullet for

726

00:33:09,470 --> 00:33:08,160

everything and this has led to the over

727

00:33:11,300 --> 00:33:09,480

prescription of antibiotics which I'm

728

00:33:12,560 --> 00:33:11,310

sure you you're across and that sort of

729

00:33:14,000 --> 00:33:12,570

thing we think we expect pills to be

730

00:33:15,470 --> 00:33:14,010

able to cure everything now when in fact

731

00:33:17,750 --> 00:33:15,480

maybe we should get off our button do

732

00:33:19,190 --> 00:33:17,760

some exercise occasionally well we're

733

00:33:21,080 --> 00:33:19,200

looking for the quick fix always aren't

734

00:33:24,740 --> 00:33:21,090

we and that and that really there is no

735

00:33:27,080 --> 00:33:24,750

miracle cure exercise regular exercise

736

00:33:30,310 --> 00:33:27,090

good nutrition really important hygiene

737

00:33:33,260 --> 00:33:30,320

of course and you mentioned antibiotics

738

00:33:35,720 --> 00:33:33,270

we have become all illicitly the bugs

739

00:33:37,820 --> 00:33:35,730

have become resistant to them and to a

740

00:33:40,160 --> 00:33:37,830

large extent they don't work anymore for

741

00:33:42,290 --> 00:33:40,170

some of the serious conditions we need

742

00:33:44,720 --> 00:33:42,300

to be very careful the way we use

743

00:33:46,670 --> 00:33:44,730

antibiotics particularly for things like

744

00:33:49,370 --> 00:33:46,680

upper respiratory tract infections i'm

745

00:33:52,070 --> 00:33:49,380

thinking of colds and flu my own by and

746

00:33:54,320 --> 00:33:52,080

large antibiotics don't work there so

747

00:33:57,440 --> 00:33:54,330

symptomatic treatment and

748

00:33:58,760 --> 00:33:57,450

anti-inflammatory lozenge may be a pain

749

00:34:00,800 --> 00:33:58,770

reliever perhaps a decongestant

750

00:34:02,720 --> 00:34:00,810

depending on the symptoms but

751
00:34:04,490 --> 00:34:02,730
antibiotics are not effective and

752
00:34:06,970 --> 00:34:04,500
they're causing more problems by

753
00:34:12,530 --> 00:34:06,980
becoming by encouraging resistant

754
00:34:14,210 --> 00:34:12,540
organisms then their use so antibiotic

755
00:34:16,430 --> 00:34:14,220
stewardship as we call it really

756
00:34:18,710 --> 00:34:16,440
important if you've got a cold or the

757
00:34:21,110 --> 00:34:18,720
flu kadia pharmacist first get some

758
00:34:24,020 --> 00:34:21,120
symptomatic treatment antibiotics of no

759
00:34:27,530 --> 00:34:24,030
use but the good nutrition as we talked

760
00:34:28,730 --> 00:34:27,540
about earlier so good healthy balanced

761
00:34:30,800 --> 00:34:28,740
diet plenty of fresh fruit and

762
00:34:34,250 --> 00:34:30,810
vegetables rest as appropriate

763
00:34:34,770 --> 00:34:34,260

reasonable exercise hygiene measures to

764

00:34:37,530 --> 00:34:34,780

prevent

765

00:34:39,480 --> 00:34:37,540

the spread and far better than anything

766

00:34:40,919 --> 00:34:39,490

else we can use of course symptomatic

767

00:34:42,810 --> 00:34:40,929

treatment if you've got aches and pains

768

00:34:44,880 --> 00:34:42,820

and pain relievers fine if you've got a

769

00:34:47,340 --> 00:34:44,890

blocked up knows something to open up

770

00:34:49,560 --> 00:34:47,350

the airways if you've got an inflamed

771

00:34:52,470 --> 00:34:49,570

throat and the anti-inflammatory of

772

00:34:55,980 --> 00:34:52,480

lozenges maybe some aspirin gargled and

773

00:34:57,870 --> 00:34:55,990

swallowed those not so recent remedies

774

00:34:59,610 --> 00:34:57,880

are often really effective you're

775

00:35:01,260 --> 00:34:59,620

talking to students here master students

776

00:35:02,640 --> 00:35:01,270

that are hoping to perhaps be on the

777

00:35:04,440 --> 00:35:02,650

front line of the farmers who run their

778

00:35:06,180 --> 00:35:04,450

pharmacy one day so they've got to look

779

00:35:07,590 --> 00:35:06,190

after the financial thing they've got to

780

00:35:09,750 --> 00:35:07,600

look after the tricky thing of people

781

00:35:11,250 --> 00:35:09,760

trying to come in and maybe put a slider

782

00:35:13,020 --> 00:35:11,260

scription through from other more

783

00:35:14,280 --> 00:35:13,030

addictive kind of things that sort of

784

00:35:16,890 --> 00:35:14,290

things they're really on the front line

785

00:35:18,420 --> 00:35:16,900

aren't they yes these students today

786

00:35:19,620 --> 00:35:18,430

that are coming out these master

787

00:35:22,110 --> 00:35:19,630

students from the University of

788

00:35:25,830 --> 00:35:22,120

Newcastle fantastic they're the cutting

789

00:35:28,320 --> 00:35:25,840

edge not only of business management but

790

00:35:30,510 --> 00:35:28,330

clinical procedures as well and they

791

00:35:33,170 --> 00:35:30,520

will know exactly what's necessary then

792

00:35:36,090 --> 00:35:33,180

they know when medication is prescribed

793

00:35:38,670 --> 00:35:36,100

the benefits the risks how to minimize

794

00:35:40,740 --> 00:35:38,680

the risks they know how to optimize that

795

00:35:42,360 --> 00:35:40,750

therapy they know when when you come in

796

00:35:45,030 --> 00:35:42,370

to them for non prescription medicine

797

00:35:46,530 --> 00:35:45,040

what to recommend for you given your

798

00:35:50,160 --> 00:35:46,540

medical history of what you might be

799

00:35:52,020 --> 00:35:50,170

taking for maybe some chronic illness so

800

00:35:53,460 --> 00:35:52,030

you can rely on these young graduates

801
00:35:55,200 --> 00:35:53,470
they're fantastic they look like a

802
00:35:56,670 --> 00:35:55,210
pretty smart bunch and what do you think

803
00:35:58,710 --> 00:35:56,680
is going to be the future breakthrough

804
00:36:00,150 --> 00:35:58,720
that we can expect within only ok let's

805
00:36:01,500 --> 00:36:00,160
give it a four-year span what do you

806
00:36:03,420 --> 00:36:01,510
think a bit next will it be another

807
00:36:05,850 --> 00:36:03,430
great antiviral come out can we expect

808
00:36:07,590 --> 00:36:05,860
more powerful antibiotics to help with

809
00:36:08,610 --> 00:36:07,600
the situation to existing of them or do

810
00:36:11,940 --> 00:36:08,620
you think it's going to be the next big

811
00:36:13,920 --> 00:36:11,950
cure coming out pharmacologically well I

812
00:36:15,810 --> 00:36:13,930
i think the research that we're

813
00:36:17,940 --> 00:36:15,820

undertaking at the moment is is quite

814

00:36:20,580 --> 00:36:17,950

amazing we're hoping that there'll be

815

00:36:22,020 --> 00:36:20,590

new antivirus new antibiotics I think

816

00:36:23,970 --> 00:36:22,030

they'll be more than three or four years

817

00:36:27,300 --> 00:36:23,980

away they could be a decade or even a

818

00:36:29,970 --> 00:36:27,310

generation away but we will get in the

819

00:36:32,370 --> 00:36:29,980

in the very near future medications to

820

00:36:36,780 --> 00:36:32,380

treat long-term chronic illnesses like

821

00:36:38,460 --> 00:36:36,790

diabetes like epilepsy like a spa we've

822

00:36:40,310 --> 00:36:38,470

got some medications coming through the

823

00:36:42,780 --> 00:36:40,320

pipeline now that will revolutionize

824

00:36:45,460 --> 00:36:42,790

that the treatment of both type 1 and

825

00:36:47,620 --> 00:36:45,470

type 2 diabetes which is becoming

826
00:36:50,859 --> 00:36:47,630
of epidemic proportions in Australia and

827
00:36:53,410 --> 00:36:50,869
indeed around the world so prevention

828
00:36:54,940 --> 00:36:53,420
measures of course important but those

829
00:36:58,540 --> 00:36:54,950
medications that are coming through now

830
00:37:01,270 --> 00:36:58,550
will really help people to to have long

831
00:37:02,650 --> 00:37:01,280
quality lives as your 40 uses a

832
00:37:04,210 --> 00:37:02,660
pharmacist what do you reckon the

833
00:37:05,950 --> 00:37:04,220
placebo effect what do you think of that

834
00:37:07,870 --> 00:37:05,960
do you think it is really as powerful as

835
00:37:10,660 --> 00:37:07,880
people think the placebo effect is

836
00:37:13,480 --> 00:37:10,670
enormously powerful and of course

837
00:37:16,839 --> 00:37:13,490
particularly with with conditions where

838
00:37:20,980 --> 00:37:16,849

the brain has involved mental illness

839

00:37:23,020 --> 00:37:20,990

depression anxiety but again more than

840

00:37:24,760 --> 00:37:23,030

placebo is necessary for those chronic

841

00:37:27,670 --> 00:37:24,770

conditions as well but we shouldn't

842

00:37:29,650 --> 00:37:27,680

diminish the the the benefits of placebo

843

00:37:31,030 --> 00:37:29,660

that works pretty well too so if you're

844

00:37:32,830 --> 00:37:31,040

doing pretty good at school would you

845

00:37:34,270 --> 00:37:32,840

recommend the career as a pharmacist as

846

00:37:36,310 --> 00:37:34,280

someone who's been doing it for 40 years

847

00:37:39,310 --> 00:37:36,320

I think the opportunities for the future

848

00:37:42,550 --> 00:37:39,320

of Pharmacy are enormous great

849

00:37:46,210 --> 00:37:42,560

challenges of course in in in terms of

850

00:37:49,150 --> 00:37:46,220

business in community as well but

851
00:37:51,160 --> 00:37:49,160
opportunities fantastic to in terms not

852
00:37:53,140 --> 00:37:51,170
only with the provision of medicines but

853
00:37:57,099 --> 00:37:53,150
the provision of advice monitoring the

854
00:37:59,170 --> 00:37:57,109
use of medicines being involved I guess

855
00:38:01,180 --> 00:37:59,180
in partnerships with doctors and other

856
00:38:03,520 --> 00:38:01,190
health professionals in therapeutic

857
00:38:05,920 --> 00:38:03,530
outcomes just tremendous opportunities

858
00:38:07,450 --> 00:38:05,930
and look at what position are you at the

859
00:38:08,829 --> 00:38:07,460
moment you actually an international

860
00:38:10,270 --> 00:38:08,839
pharmacist representative these days

861
00:38:12,250 --> 00:38:10,280
well I'm vice president of the

862
00:38:14,320 --> 00:38:12,260
international pharmaceutical Federation

863
00:38:16,900 --> 00:38:14,330

which represent your your Big Pharma guy

864

00:38:19,589 --> 00:38:16,910

and yeah well well I'd like to think so

865

00:38:21,730 --> 00:38:19,599

maybe not all that big but look it's

866

00:38:23,950 --> 00:38:21,740

again international pharmacy is

867

00:38:26,620 --> 00:38:23,960

important to we remembers it over 3

868

00:38:28,210 --> 00:38:26,630

million pharmacist worldwide over a

869

00:38:31,000 --> 00:38:28,220

hundred different pharmacy professional

870

00:38:32,859 --> 00:38:31,010

organizations and I might say though

871

00:38:34,510 --> 00:38:32,869

Australia's playing an enormous part i'm

872

00:38:36,310 --> 00:38:34,520

going to say look you have to say that

873

00:38:38,230 --> 00:38:36,320

how health system is probably better

874

00:38:40,750 --> 00:38:38,240

than any in the world really isn't it

875

00:38:42,460 --> 00:38:40,760

yeah our health system in Australia is

876

00:38:45,130 --> 00:38:42,470

certainly one of the best if not the

877

00:38:47,740 --> 00:38:45,140

best in the world we complain a bit we

878

00:38:50,380 --> 00:38:47,750

windsor little about the cost about the

879

00:38:52,120 --> 00:38:50,390

the the inaccessibility of some

880

00:38:54,730 --> 00:38:52,130

medicines from time to time about

881

00:38:57,960 --> 00:38:54,740

getting to the doctor but accessibility

882

00:38:59,790 --> 00:38:57,970

to health in Australia is second to none

883

00:39:02,640 --> 00:38:59,800

about that and it's cost effective as

884

00:39:04,230 --> 00:39:02,650

well well I'm here with one of the

885

00:39:05,280 --> 00:39:04,240

students what's your name and what do

886

00:39:07,670 --> 00:39:05,290

you actually where you at in your

887

00:39:10,830 --> 00:39:07,680

studies and her on my final year of

888

00:39:12,900 --> 00:39:10,840

post-grad pharmacy so I did an undergrad

889

00:39:15,810 --> 00:39:12,910

degree in medical science down in Sydney

890

00:39:17,400 --> 00:39:15,820

so I'm originally from Sydney and yeah

891

00:39:18,900 --> 00:39:17,410

so this the finding of my two-year

892

00:39:20,790 --> 00:39:18,910

master's degree in pharmacy and

893

00:39:22,500 --> 00:39:20,800

University of Newcastle and why did you

894

00:39:23,760 --> 00:39:22,510

choose pharmacy because so you obviously

895

00:39:26,070 --> 00:39:23,770

had pretty good marks you're pretty

896

00:39:30,599 --> 00:39:26,080

smart looking guy why pharmacy why not

897

00:39:31,890 --> 00:39:30,609

law you know ballet you know yeah I

898

00:39:35,070 --> 00:39:31,900

think ballet would see me but I think

899

00:39:37,710 --> 00:39:35,080

pharmacy is is a great profession you

900

00:39:40,020 --> 00:39:37,720

help the community you're in a wealth

901
00:39:41,910 --> 00:39:40,030
respected role in the community and you

902
00:39:43,050 --> 00:39:41,920
also have the opportunity to own your

903
00:39:44,609 --> 00:39:43,060
own business which is something I'm

904
00:39:45,750 --> 00:39:44,619
really really looking forward to which

905
00:39:46,859 --> 00:39:45,760
is what you've been getting tips on

906
00:39:48,810 --> 00:39:46,869
today from people that have run

907
00:39:50,490 --> 00:39:48,820
businesses for decades pharmacies for

908
00:39:51,930 --> 00:39:50,500
decades it's a very challenging the

909
00:39:53,790 --> 00:39:51,940
environment you're going into cos tryna

910
00:39:55,170 --> 00:39:53,800
sell anything to anyone now is hard even

911
00:39:57,660 --> 00:39:55,180
in a pharmacy what have you learned

912
00:40:01,260 --> 00:39:57,670
today yeah that's right times are tough

913
00:40:04,650 --> 00:40:01,270

in pharmacy there's a lot of ongoing

914

00:40:06,480 --> 00:40:04,660

competition and push from supermarket

915

00:40:10,950 --> 00:40:06,490

chains like Coles and Woolies that have

916

00:40:13,349 --> 00:40:10,960

their say in the market and these these

917

00:40:16,500 --> 00:40:13,359

experienced pharmacist have told us what

918

00:40:18,210 --> 00:40:16,510

we need to do and how we can prevent

919

00:40:20,900 --> 00:40:18,220

that from happening in and basically had

920

00:40:23,820 --> 00:40:20,910

it at a run a successful business and

921

00:40:25,170 --> 00:40:23,830

yeah what do you like with people you

922

00:40:26,609 --> 00:40:25,180

had much experience with people come up

923

00:40:28,980 --> 00:40:26,619

to going oh I've got a bit of a sore

924

00:40:33,420 --> 00:40:28,990

joint here Andrew what do I do yeah that

925

00:40:34,980 --> 00:40:33,430

yeah to be part of someone's first point

926

00:40:37,829 --> 00:40:34,990

of contact when they have these sort of

927

00:40:42,210 --> 00:40:37,839

issues is definitely you know kind of

928

00:40:44,130 --> 00:40:42,220

rewarding in in a sense you know to be a

929

00:40:47,640 --> 00:40:44,140

part of the you know that helping

930

00:40:51,240 --> 00:40:47,650

process is definitely something that you

931

00:40:54,000 --> 00:40:51,250

know excites me and when you you know

932

00:40:55,800 --> 00:40:54,010

solve their problems and I walkway over

933

00:40:58,800 --> 00:40:55,810

smile on their face yeah it's definitely

934

00:41:00,359 --> 00:40:58,810

rewarding look at as a layman I find a

935

00:41:02,339 --> 00:41:00,369

few drugs absolutely fascinating and not

936

00:41:04,200 --> 00:41:02,349

just the recreational ones I find your

937

00:41:05,880 --> 00:41:04,210

antivirals are fairly interesting as as

938

00:41:07,410 --> 00:41:05,890

a pharmacist and as you've learned over

939

00:41:08,849 --> 00:41:07,420

the years what's a drug that you go and

940

00:41:10,109 --> 00:41:08,859

we don't have to get into it brand name

941

00:41:11,730 --> 00:41:10,119

see what's going to go well

942

00:41:15,029 --> 00:41:11,740

that works it does that what's the one

943

00:41:18,809 --> 00:41:15,039

you get that's amazing also all sorts of

944

00:41:21,239 --> 00:41:18,819

drugs am even the basic gum beta

945

00:41:24,809 --> 00:41:21,249

blockers for high blood pressure you

946

00:41:28,349 --> 00:41:24,819

know it's just a common disease and the

947

00:41:31,289 --> 00:41:28,359

fact that a simple drug can can help

948

00:41:33,120 --> 00:41:31,299

lower blood pressure significantly just

949

00:41:34,470 --> 00:41:33,130

just so you know amazes me and there's

950

00:41:35,999 --> 00:41:34,480

and that that's one of the basic ones

951
00:41:37,650 --> 00:41:36,009
there's all sorts of different

952
00:41:39,960 --> 00:41:37,660
medications all sorts of illnesses

953
00:41:41,609 --> 00:41:39,970
nervous it looked in you do just

954
00:41:43,680 --> 00:41:41,619
learning something at this stage every

955
00:41:45,539 --> 00:41:43,690
day that's amazing that's right every

956
00:41:48,120 --> 00:41:45,549
day you learn something new every every

957
00:41:49,499 --> 00:41:48,130
day you get fascinated and that's one of

958
00:41:52,079 --> 00:41:49,509
the best things about it then there's no

959
00:41:54,480 --> 00:41:52,089
boring day it's always interesting and

960
00:41:55,589 --> 00:41:54,490
yeah something I really enjoy look I can

961
00:41:57,059 --> 00:41:55,599
see you getting out into your community

962
00:41:58,710 --> 00:41:57,069
they were just having a little small

963
00:42:00,660 --> 00:41:58,720

pharmacy they're all you want to go big

964

00:42:02,730 --> 00:42:00,670

like mr. Piggott over there no I think I

965

00:42:05,009 --> 00:42:02,740

definitely like the idea of a small a

966

00:42:08,099 --> 00:42:05,019

small pharmacy just one that the locals

967

00:42:10,289 --> 00:42:08,109

on all know me and yeah they're

968

00:42:11,489 --> 00:42:10,299

definitely what I'm on my long term goal

969

00:42:13,289 --> 00:42:11,499

that you know Vaughn something

970

00:42:15,539 --> 00:42:13,299

troublemakers coming gate on your bike

971

00:42:18,059 --> 00:42:15,549

guys yep that's it that's it you know no

972

00:42:22,470 --> 00:42:18,069

job make us a my pharmacy look thank you

973

00:42:25,380 --> 00:42:22,480

Andrew thank you very much you might not

974

00:42:27,630 --> 00:42:25,390

be able to hear the quaint quacking of

975

00:42:29,370 --> 00:42:27,640

ducks in the background there and I with

976

00:42:31,019 --> 00:42:29,380

someone who you might have seen his name

977

00:42:32,759 --> 00:42:31,029

on the side of a few chemist shops in

978

00:42:34,829 --> 00:42:32,769

your time it's crispy get hi Chris how I

979

00:42:37,049 --> 00:42:34,839

made a good morning to you how many

980

00:42:39,720 --> 00:42:37,059

years have you been a pharmacist oh let

981

00:42:42,299 --> 00:42:39,730

me think quickly let's say 46 years of

982

00:42:44,370 --> 00:42:42,309

pharmacists why did you decide to get

983

00:42:46,200 --> 00:42:44,380

was it a master or battle what did you

984

00:42:47,640 --> 00:42:46,210

get back then was a diploma a bachelor's

985

00:42:49,470 --> 00:42:47,650

ordered this are you over there soul

986

00:42:51,479 --> 00:42:49,480

some aspirin what did they do back 46

987

00:42:52,920 --> 00:42:51,489

years ago I was in the first cohort of a

988

00:42:55,049 --> 00:42:52,930

bachelor of pharmacy at Sydney

989

00:42:57,809 --> 00:42:55,059

University my parents and grandparents

990

00:42:59,970 --> 00:42:57,819

were publicans and really I think that

991

00:43:01,259 --> 00:42:59,980

was a great training ground for you know

992

00:43:03,089 --> 00:43:01,269

we still had a counter and I served

993

00:43:04,229 --> 00:43:03,099

alcohol you thought you oh yeah you

994

00:43:06,180 --> 00:43:04,239

thought people are going to need a lot

995

00:43:07,680 --> 00:43:06,190

of aspirin from what I've seen yes

996

00:43:09,329 --> 00:43:07,690

that's right so you're making up stuff

997

00:43:11,640 --> 00:43:09,339

behind the counter lot in those days

998

00:43:14,220 --> 00:43:11,650

very much so that's a good question we

999

00:43:15,809 --> 00:43:14,230

made probably I'd say fifty percent of

1000

00:43:17,970 --> 00:43:15,819

all of our prescriptions were

1001
00:43:20,039 --> 00:43:17,980
extemporaneously or handmade in those

1002
00:43:22,049 --> 00:43:20,049
days they'll have slept that stuff like

1003
00:43:23,940 --> 00:43:22,059
lignum or the opiate that was that

1004
00:43:26,130 --> 00:43:23,950
available that it was in the early

1005
00:43:29,630 --> 00:43:26,140
as the opiates were made in mixtures for

1006
00:43:32,310 --> 00:43:29,640
people that had severe pain or you know

1007
00:43:34,770 --> 00:43:32,320
chronic injuries with a lot of pain

1008
00:43:36,750 --> 00:43:34,780
opiates were commonly used and these

1009
00:43:39,180 --> 00:43:36,760
days would a chemist mix up anything

1010
00:43:43,140 --> 00:43:39,190
these days yes they still make it up and

1011
00:43:46,740 --> 00:43:43,150
but very very few so maybe one or two or

1012
00:43:48,630 --> 00:43:46,750
three times a day however we still have

1013
00:43:50,970 --> 00:43:48,640

to make liquid antibiotics every day

1014

00:43:53,280 --> 00:43:50,980

probably ten a day or 20 a day for every

1015

00:43:56,040 --> 00:43:53,290

young child needing a penicillin of

1016

00:43:58,230 --> 00:43:56,050

forms there are also specialist

1017

00:44:00,020 --> 00:43:58,240

compounding pharmacists that you'll see

1018

00:44:04,230 --> 00:44:00,030

in the community who are doing

1019

00:44:06,390 --> 00:44:04,240

enormously intricate technical work ok

1020

00:44:08,310 --> 00:44:06,400

Wow and what's your personal view on

1021

00:44:10,590 --> 00:44:08,320

homeopathy let's ask a ruler

1022

00:44:13,740 --> 00:44:10,600

controversial one there well homeopathy

1023

00:44:15,810 --> 00:44:13,750

is I'll think it stood at least it's safe

1024

00:44:17,880 --> 00:44:15,820

Maynard that's true in Europe do you

1025

00:44:18,720 --> 00:44:17,890

know it's massively popular and it was

1026

00:44:22,530 --> 00:44:18,730

that you're going to do is you're

1027

00:44:26,100 --> 00:44:22,540

hydrating something yes and and I think

1028

00:44:28,170 --> 00:44:26,110

we're in an area where people often like

1029

00:44:31,560 --> 00:44:28,180

something very safe for children's usage

1030

00:44:34,680 --> 00:44:31,570

and homeopathy is not something that we

1031

00:44:36,750 --> 00:44:34,690

teach at University no no exactly the

1032

00:44:38,910 --> 00:44:36,760

opposite end of in fact which is why

1033

00:44:41,550 --> 00:44:38,920

we're here today you are teaching some

1034

00:44:43,530 --> 00:44:41,560

actual active compounds that are in some

1035

00:44:45,990 --> 00:44:43,540

of the the pharmaceutical things that we

1036

00:44:48,330 --> 00:44:46,000

do at the Newcastle wetlands and are you

1037

00:44:50,550 --> 00:44:48,340

showing what plants are being used in

1038

00:44:53,100 --> 00:44:50,560

pharmacology we've got a doctor who's

1039

00:44:54,600 --> 00:44:53,110

taking them around the the wetlands

1040

00:44:57,600 --> 00:44:54,610

first of all to show off this beautiful

1041

00:44:58,740 --> 00:44:57,610

unique site that Newcastle has and he's

1042

00:45:00,540 --> 00:44:58,750

showing them plants that were

1043

00:45:04,020 --> 00:45:00,550

traditionally used by the aboriginals

1044

00:45:06,180 --> 00:45:04,030

the early colonialists he's showing them

1045

00:45:08,700 --> 00:45:06,190

plants that are safe to ingest and

1046

00:45:10,770 --> 00:45:08,710

plants that are dangerous to ingest but

1047

00:45:15,360 --> 00:45:10,780

our University Maynard is very much

1048

00:45:17,010 --> 00:45:15,370

based on actual evidence based medicines

1049

00:45:19,470 --> 00:45:17,020

and that's what we're doing is we're

1050

00:45:22,170 --> 00:45:19,480

bringing top community pharmacists

1051
00:45:25,130 --> 00:45:22,180
experienced men and women to speak to

1052
00:45:27,780 --> 00:45:25,140
the pharmacists in a very small group em

1053
00:45:29,760 --> 00:45:27,790
into enterprise so we've got one

1054
00:45:31,830 --> 00:45:29,770
pharmacist speaking with four students

1055
00:45:34,080 --> 00:45:31,840
and we're helping them understand the

1056
00:45:35,880 --> 00:45:34,090
commercial business side of this

1057
00:45:36,700 --> 00:45:35,890
profession it's always been a duopoly

1058
00:45:38,650 --> 00:45:36,710
it's all

1059
00:45:41,170 --> 00:45:38,660
had to have a commercial side to it as

1060
00:45:42,579 --> 00:45:41,180
well as the professional side to it mr.

1061
00:45:44,470 --> 00:45:42,589
guy I always get concerned when I go

1062
00:45:46,000 --> 00:45:44,480
into a pharmacy and there are too many

1063
00:45:47,740 --> 00:45:46,010

other things to buy their other than

1064

00:45:48,970 --> 00:45:47,750

pharmaceutical products and I understand

1065

00:45:50,710 --> 00:45:48,980

as a business you've got to have

1066

00:45:52,839 --> 00:45:50,720

sundries or whatever you might call them

1067

00:45:54,550 --> 00:45:52,849

in the shop but it has changed a lot

1068

00:45:56,260 --> 00:45:54,560

over the years hasn't it it has changed

1069

00:45:58,750 --> 00:45:56,270

but think of us like a first-aid station

1070

00:46:00,730 --> 00:45:58,760

so people can come into our pharmacy

1071

00:46:03,730 --> 00:46:00,740

there's no waiting time there's no

1072

00:46:05,829 --> 00:46:03,740

charge people all my life people have

1073

00:46:07,780 --> 00:46:05,839

come in and said mr. Piggott you know is

1074

00:46:11,020 --> 00:46:07,790

this is this dangerous what's this on my

1075

00:46:12,760 --> 00:46:11,030

son's leg is this head lice in a little

1076

00:46:14,890 --> 00:46:12,770

questions that the public just want an

1077

00:46:16,930 --> 00:46:14,900

answer and I can say you should take

1078

00:46:18,910 --> 00:46:16,940

your child to the doctor you should go

1079

00:46:21,640 --> 00:46:18,920

to the doctor and there's been a few

1080

00:46:24,040 --> 00:46:21,650

rare instances which had been quite had

1081

00:46:26,109 --> 00:46:24,050

a huge impact on my life where I've got

1082

00:46:27,910 --> 00:46:26,119

people to hospital or I've got them into

1083

00:46:30,550 --> 00:46:27,920

a doctors surgery when they've been told

1084

00:46:32,710 --> 00:46:30,560

that the doctor was booked out but I've

1085

00:46:35,470 --> 00:46:32,720

I have detected the fact that this was

1086

00:46:37,810 --> 00:46:35,480

an emergency pharmacists do this every

1087

00:46:39,609 --> 00:46:37,820

day may not every day of their life and

1088

00:46:41,710 --> 00:46:39,619

and these ones that are being trained up

1089

00:46:43,240 --> 00:46:41,720

here they are final year students at

1090

00:46:45,220 --> 00:46:43,250

Newcastle but you said there master

1091

00:46:47,050 --> 00:46:45,230

students what's going on there well we

1092

00:46:48,700 --> 00:46:47,060

have a master's program and the

1093

00:46:50,020 --> 00:46:48,710

pharmacists of the other and all the

1094

00:46:53,020 --> 00:46:50,030

people about it should be very proud

1095

00:46:55,060 --> 00:46:53,030

that we we teach pharmacy in the Hunter

1096

00:46:56,800 --> 00:46:55,070

Valley at the University of Newcastle

1097

00:46:58,240 --> 00:46:56,810

will cause the medical school there has

1098

00:47:00,579 --> 00:46:58,250

had an outstanding reputation for

1099

00:47:03,970 --> 00:47:00,589

decades and I hope that we will too this

1100

00:47:06,280 --> 00:47:03,980

is our 10th year but now we're changing

1101
00:47:09,130 --> 00:47:06,290
to a bachelor program which will be four

1102
00:47:11,200 --> 00:47:09,140
years and this will allow our bright

1103
00:47:13,750 --> 00:47:11,210
young kids from all of the high schools

1104
00:47:16,300 --> 00:47:13,760
from tamworth down to to the Central

1105
00:47:18,339 --> 00:47:16,310
Coast up to graft and we hope that they

1106
00:47:20,620 --> 00:47:18,349
will channel themselves into Newcastle

1107
00:47:22,510 --> 00:47:20,630
University this is a great i call it a

1108
00:47:24,849 --> 00:47:22,520
little school of pharmacy but it's a

1109
00:47:26,079 --> 00:47:24,859
great little school of pharmacy now what

1110
00:47:27,790 --> 00:47:26,089
sort of things they're learning over

1111
00:47:29,710 --> 00:47:27,800
there from the local experts what sort

1112
00:47:31,540 --> 00:47:29,720
of plants have we got around here that

1113
00:47:33,520 --> 00:47:31,550

are used in certain medications now are

1114

00:47:35,050 --> 00:47:33,530

there any most of most of what they're

1115

00:47:37,510 --> 00:47:35,060

learning if I can just correct you on

1116

00:47:40,870 --> 00:47:37,520

this is business skills they're learning

1117

00:47:44,200 --> 00:47:40,880

from experienced pharmacist how they can

1118

00:47:46,390 --> 00:47:44,210

find a job make a job and make

1119

00:47:48,580 --> 00:47:46,400

themselves useful in the community so

1120

00:47:51,190 --> 00:47:48,590

some of it is communication that's

1121

00:47:53,980 --> 00:47:51,200

extremely important people have got to

1122

00:47:56,290 --> 00:47:53,990

know a pharmacist job every day is

1123

00:47:59,410 --> 00:47:56,300

communicating with young children

1124

00:48:01,000 --> 00:47:59,420

elderly people sick people people who

1125

00:48:03,040 --> 00:48:01,010

want to stay well okay and you're trying

1126

00:48:06,190 --> 00:48:03,050

to run a business too and any kind of

1127

00:48:08,710 --> 00:48:06,200

retail is difficult in 2014 it's really

1128

00:48:10,890 --> 00:48:08,720

difficult it is and that that's the

1129

00:48:13,750 --> 00:48:10,900

great advantage of having a dozen

1130

00:48:15,700 --> 00:48:13,760

experienced professionals here taking

1131

00:48:18,670 --> 00:48:15,710

them through the challenges that they've

1132

00:48:21,430 --> 00:48:18,680

had in their life and passing it on to

1133

00:48:42,219 --> 00:48:21,440

these younger students so that they're

1134

00:48:46,429 --> 00:48:44,539

astronomy cast who takes a fact space

1135

00:48:48,349 --> 00:48:46,439

journey through the cosmos as it offers

1136

00:48:51,019 --> 00:48:48,359

listeners weekly discussions on

1137

00:48:53,959 --> 00:48:51,029

astronomical topics ranging from planets

1138

00:48:56,389 --> 00:48:53,969

to cosmology hosted by Fraser Cain of

1139

00:48:57,229 --> 00:48:56,399

Universe Today and myself dr. Pamela gay

1140

00:48:59,899 --> 00:48:57,239

of southern illinois university

1141

00:49:01,789 --> 00:48:59,909

edwardsville this show brings the

1142

00:49:04,219 --> 00:49:01,799

questions of an avid astronomy lover

1143

00:49:06,319 --> 00:49:04,229

directly to an astronomer together

1144

00:49:07,849 --> 00:49:06,329

Fraser and I explore what is known and

1145

00:49:10,609 --> 00:49:07,859

being discovered about the universe

1146

00:49:12,709 --> 00:49:10,619

around us join us each week as we take a

1147

00:49:26,560 --> 00:49:12,719

fact space journey through the cosmos at

1148

00:49:30,650 --> 00:49:28,820

thank you for listening to the skeptic

1149

00:49:32,150 --> 00:49:30,660

zone and thank you once again those

1150

00:49:34,310 --> 00:49:32,160

wonderful people who came up to see me

1151
00:49:35,900 --> 00:49:34,320
at the amazing meeting in Las Vegas you

1152
00:49:37,820 --> 00:49:35,910
know folks add people bring me root beer

1153
00:49:41,060 --> 00:49:37,830
which I love people brought some hot

1154
00:49:42,710 --> 00:49:41,070
sauce and lovely hot chili sauce two

1155
00:49:45,050 --> 00:49:42,720
bottles in fact one for me and one for

1156
00:49:48,560 --> 00:49:45,060
dr. Richie I must get dr. Ishi her hot

1157
00:49:51,890 --> 00:49:48,570
chili sauce soon I had people bring me

1158
00:49:53,600 --> 00:49:51,900
candy wow what what a wonderful bunch

1159
00:49:57,890 --> 00:49:53,610
they are at the amazing meeting looking

1160
00:50:00,560 --> 00:49:57,900
forward to the amazing meeting in 2015

1161
00:50:02,120 --> 00:50:00,570
and I'm looking forward to the

1162
00:50:03,710 --> 00:50:02,130
Australian skeptics National Convention

1163
00:50:07,400 --> 00:50:03,720

featuring the skeptics guide to the

1164

00:50:09,290 --> 00:50:07,410

universe dr. Cole patina aren't dick

1165

00:50:11,180 --> 00:50:09,300

smith lots of other people dr. rachey

1166

00:50:13,850 --> 00:50:11,190

speaking there of course and that's

1167

00:50:16,970 --> 00:50:13,860

coming up in November late november this

1168

00:50:20,240 --> 00:50:16,980

year in sydney visit convention dot

1169

00:50:24,290 --> 00:50:20,250

skeptics com da day you for more

1170

00:50:26,120 --> 00:50:24,300

information and to buy your tickets wow

1171

00:50:28,310 --> 00:50:26,130

I can't wait to see all those people at

1172

00:50:30,260 --> 00:50:28,320

the Australian skeptics national

1173

00:50:34,970 --> 00:50:30,270

convention but for this week this is

1174

00:50:37,580 --> 00:50:34,980

Richard Saunders and fed the cat it was

1175

00:50:42,950 --> 00:50:37,590

half asleep hello friend signing off

1176

00:50:45,260 --> 00:50:42,960

from Sydney Australia you've been

1177

00:50:49,820 --> 00:50:45,270

listening to the skeptic zone visit our

1178

00:50:52,280 --> 00:50:49,830

website at wwc a petting zoo TV for

1179

00:50:55,190 --> 00:50:52,290

comments contacts and extra video

1180

00:50:55,200 --> 00:51:06,109

skin