

Episode 567

THE
**SKEPTIC
ZONE**
PODCAST

1 September 2019

www.skepticzone.tv

The Skeptic Zone Podcast



Episode 567 - 1 Sept 2019

Dragon*Con 2019 - First days....

Dr Angie Mattke

Jennifer Hathorn

A walking tour

Vendors Rooms

- Woo in Pharmacies -

The Skeptic Zone Podcast



Jennifer Hathorn

Episode 567 - 1 Sept 2019

1
00:00:08,470 --> 00:00:06,630

[Music]

2
00:00:11,270 --> 00:00:08,480
welcome to the skeptic zone

3
00:00:16,900 --> 00:00:11,280
the podcast from australia for science

4
00:00:24,150 --> 00:00:16,910
and reason

5
00:00:27,870 --> 00:00:26,230
yes it's the skeptic zone podcast

6
00:00:31,589 --> 00:00:27,880
episode number

7
00:00:33,350 --> 00:00:31,599
567 for the 1st of september 2019

8
00:00:36,069 --> 00:00:33,360
richard saunders coming to you this week

9
00:00:37,750 --> 00:00:36,079
from the beautiful city of atlanta

10
00:00:41,670 --> 00:00:37,760
georgia where i'm immersed

11
00:00:46,630 --> 00:00:41,680
entrenched surrounded by dragon con

12
00:00:49,350 --> 00:00:46,640
the over the top science fiction fantasy

13
00:00:50,310 --> 00:00:49,360

everything convention here in downtown

14

00:00:53,590 --> 00:00:50,320

atlanta with

15

00:00:55,750 --> 00:00:53,600

thousands of people dressed in thousands

16

00:00:58,229 --> 00:00:55,760

of costumes all going at the same place

17

00:01:01,110 --> 00:00:58,239

at the same time twice this

18

00:01:01,990 --> 00:01:01,120

really is a mad weekend but what a lot

19

00:01:03,430 --> 00:01:02,000

of fun

20

00:01:05,590 --> 00:01:03,440

coming up on this week's show a few

21

00:01:08,070 --> 00:01:05,600

highlights from the first few days

22

00:01:09,750 --> 00:01:08,080

i speak to dr angie matkey who is the

23

00:01:13,109 --> 00:01:09,760

assistant director here at the

24

00:01:13,830 --> 00:01:13,119

skeptrac one of the uh the many tracks

25

00:01:16,310 --> 00:01:13,840

or many

26
00:01:18,070 --> 00:01:16,320
different sections of dragon con she's

27
00:01:20,710 --> 00:01:18,080
going to give us a little taste of what

28
00:01:21,510 --> 00:01:20,720
is to come and then i take a walking

29
00:01:25,429 --> 00:01:21,520
tour

30
00:01:27,830 --> 00:01:25,439
again

31
00:01:28,870 --> 00:01:27,840
since i haven't been uh to dragon con

32
00:01:32,469 --> 00:01:28,880
for almost

33
00:01:35,109 --> 00:01:32,479
a decade so join me as i walk around

34
00:01:36,310 --> 00:01:35,119
with the walking tour then i catch up

35
00:01:38,550 --> 00:01:36,320
with an old friend

36
00:01:40,390 --> 00:01:38,560
jennifer hathon who i met here many

37
00:01:42,469 --> 00:01:40,400
years ago and she now works for the

38
00:01:45,670 --> 00:01:42,479

american association

39

00:01:48,230 --> 00:01:45,680

for the advancement of science

40

00:01:49,350 --> 00:01:48,240

find out all about that a bit later on

41

00:01:51,590 --> 00:01:49,360

in the show

42

00:01:54,710 --> 00:01:51,600

after that another adventure i walk over

43

00:01:57,749 --> 00:01:54,720

to the giant areas dedicated to vendors

44

00:02:01,190 --> 00:01:57,759

people selling merch merchandise

45

00:02:04,870 --> 00:02:01,200

t-shirts suits of armor

46

00:02:06,709 --> 00:02:04,880

everything you can possibly imagine

47

00:02:09,109 --> 00:02:06,719

join me as i walk around the vendor

48

00:02:10,949 --> 00:02:09,119

rooms and to wrap up the show we dive

49

00:02:12,470 --> 00:02:10,959

once again back into the pages of the

50

00:02:13,350 --> 00:02:12,480

skeptic the journal from australian

51

00:02:15,990 --> 00:02:13,360

skeptics

52

00:02:17,030 --> 00:02:16,000

and read about what loretta marin the

53

00:02:20,309 --> 00:02:17,040

jelly bean lady

54

00:02:23,589 --> 00:02:20,319

had to say not so many years ago about

55

00:02:26,550 --> 00:02:23,599

woo quackery being sold

56

00:02:27,589 --> 00:02:26,560

in pharmacies and pharmacies that have a

57

00:02:29,910 --> 00:02:27,599

resident

58

00:02:31,670 --> 00:02:29,920

naturopath but now it's time for me to

59

00:02:34,390 --> 00:02:31,680

go around the corner down the stairs

60

00:02:36,630 --> 00:02:34,400

up the elevator through the sky bridge

61

00:02:37,430 --> 00:02:36,640

to another hotel down the steps onto the

62

00:02:39,270 --> 00:02:37,440

street

63

00:02:40,710 --> 00:02:39,280

back up again come back the other way

64

00:02:42,550 --> 00:02:40,720

because of the crush of the crowds try

65

00:02:45,270 --> 00:02:42,560

to find something to eat

66

00:03:09,430 --> 00:02:45,280

well i'm doing all that i hope you enjoy

67

00:03:15,910 --> 00:03:12,710

beautiful atlanta georgia i'm in reed

68

00:03:18,949 --> 00:03:15,920

street which is well a little bit south

69

00:03:22,550 --> 00:03:18,959

south east of the main downtown area

70

00:03:25,589 --> 00:03:22,560

i've checked into a very charming

71

00:03:27,030 --> 00:03:25,599

airbnb and i'm just waiting for an uber

72

00:03:29,509 --> 00:03:27,040

to get downtown

73

00:03:31,030 --> 00:03:29,519

to meet my old friend dr angie matkey

74

00:03:33,030 --> 00:03:31,040

who is

75

00:03:34,789 --> 00:03:33,040

one of the organizers of the skype track

76

00:03:36,550 --> 00:03:34,799

this year i'm

77

00:03:38,789 --> 00:03:36,560

very happy to be back in atlanta after a

78

00:03:41,190 --> 00:03:38,799

gap of nine years

79

00:03:42,470 --> 00:03:41,200

long time skeptic zone listeners will

80

00:03:45,750 --> 00:03:42,480

maybe remember

81

00:03:46,229 --> 00:03:45,760

my reports from dragon con skepticism

82

00:03:58,789 --> 00:03:46,239

and

83

00:04:00,789 --> 00:03:58,799

were it was like 50 t-rexes in the lobby

84

00:04:02,070 --> 00:04:00,799

i think i saw the pictures yeah really

85

00:04:03,750 --> 00:04:02,080

it was amazing

86

00:04:05,270 --> 00:04:03,760

i've made it i've made it i've made it i

87

00:04:07,630 --> 00:04:05,280

went to hilton hotel

88

00:04:09,030 --> 00:04:07,640

and who ran up to to greet me

89

00:04:13,110 --> 00:04:09,040

enthusiastically dr

90

00:04:14,869 --> 00:04:13,120

angie mackey hi richard i didn't just

91

00:04:16,150 --> 00:04:14,879

run up to greet you i texted you and

92

00:04:19,030 --> 00:04:16,160

said come meet me

93

00:04:20,789 --> 00:04:19,040

you did you did you were expecting me

94

00:04:22,150 --> 00:04:20,799

well here we are i'm back at the hilton

95

00:04:23,990 --> 00:04:22,160

after all these years it's quite a

96

00:04:25,909 --> 00:04:24,000

nostalgia trip there are the famous

97

00:04:28,550 --> 00:04:25,919

elevators right of course

98

00:04:29,749 --> 00:04:28,560

goes right up to the center and uh i'm

99

00:04:31,350 --> 00:04:29,759

just so pleased that

100

00:04:33,110 --> 00:04:31,360

you're here to greet me this is um the

101
00:04:35,110 --> 00:04:33,120
first night

102
00:04:37,189 --> 00:04:35,120
well it's wednesdays it really starts

103
00:04:39,670 --> 00:04:37,199
tomorrow yes that's right

104
00:04:40,870 --> 00:04:39,680
um uh well tomorrow is really the load

105
00:04:43,430 --> 00:04:40,880
in that's when things

106
00:04:45,270 --> 00:04:43,440
are officially beginning to start but

107
00:04:47,990 --> 00:04:45,280
every year it gets bigger and bigger

108
00:04:48,390 --> 00:04:48,000
and starts starting earlier and earlier

109
00:04:52,070 --> 00:04:48,400
the

110
00:04:54,629 --> 00:04:52,080
um first day

111
00:04:55,510 --> 00:04:54,639
of schedule thing starts like thursday

112
00:04:57,670 --> 00:04:55,520
night

113
00:04:59,430 --> 00:04:57,680

but it is worth it to come in early to

114

00:05:00,790 --> 00:04:59,440

enjoy all the parties and all the

115

00:05:02,790 --> 00:05:00,800

friends

116

00:05:04,790 --> 00:05:02,800

it's it's a little low key to start with

117

00:05:07,350 --> 00:05:04,800

people you have time to get settled in

118

00:05:08,550 --> 00:05:07,360

people get to meet each other and

119

00:05:10,390 --> 00:05:08,560

things like that it's

120

00:05:12,390 --> 00:05:10,400

totally worth it to come in early yeah

121

00:05:13,990 --> 00:05:12,400

and it's it's big i mean derek was

122

00:05:15,029 --> 00:05:14,000

warning me that it's much bigger than it

123

00:05:16,790 --> 00:05:15,039

was ten years ago

124

00:05:18,950 --> 00:05:16,800

totally true so tomorrow i'm gonna have

125

00:05:21,830 --> 00:05:18,960

a great time just getting my feedback

126

00:05:24,550 --> 00:05:21,840

you know with my sea legs my dragon con

127

00:05:25,670 --> 00:05:24,560

senses and then friday we kick off with

128

00:05:27,430 --> 00:05:25,680

the skip track

129

00:05:29,990 --> 00:05:27,440

that's right i can't wait to see you

130

00:05:31,830 --> 00:05:30,000

there yeah i'm doing a skeptic zone live

131

00:05:34,469 --> 00:05:31,840

and i'm on some panels so

132

00:05:36,390 --> 00:05:34,479

what a blast so oh you have you got any

133

00:05:37,749 --> 00:05:36,400

anything left in your glass there angie

134

00:05:39,270 --> 00:05:37,759

i think i'm gonna

135

00:05:41,510 --> 00:05:39,280

i think you've got just enough for a

136

00:05:44,790 --> 00:05:41,520

quick cheers cheers

137

00:05:45,830 --> 00:05:44,800

cheers cheers to you richard thank you

138

00:05:47,590 --> 00:05:45,840

so much

139

00:05:49,270 --> 00:05:47,600

for coming back i've been wanting to

140

00:05:52,460 --> 00:05:49,280

have you back at dragon con for all

141

00:05:54,790 --> 00:05:52,470

these years i'm so happy you're here

142

00:05:56,870 --> 00:05:54,800

[Music]

143

00:05:59,110 --> 00:05:56,880

and what a pleasure it was to catch up

144

00:06:01,029 --> 00:05:59,120

with dr angie madkie

145

00:06:02,390 --> 00:06:01,039

after that i had a little look around

146

00:06:04,390 --> 00:06:02,400

some people were gathering there were

147

00:06:05,350 --> 00:06:04,400

some crazy costumes already beginning to

148

00:06:07,029 --> 00:06:05,360

show up

149

00:06:09,430 --> 00:06:07,039

but i made my way back had a good

150

00:06:10,950 --> 00:06:09,440

night's sleep and the next day i was

151
00:06:14,309 --> 00:06:10,960
ready for some more

152
00:06:17,590 --> 00:06:14,319
i decided to join a newbie

153
00:06:19,510 --> 00:06:17,600
walking tour designed for

154
00:06:21,590 --> 00:06:19,520
brand new people to dragon con but i

155
00:06:31,830 --> 00:06:21,600
thought after 10 years it was a good

156
00:06:35,189 --> 00:06:33,749
well the craziness has started and this

157
00:06:36,550 --> 00:06:35,199
year folks i'm doing something which i

158
00:06:38,469 --> 00:06:36,560
have never done before i'm actually

159
00:06:41,590 --> 00:06:38,479
taking a walking tour

160
00:06:43,189 --> 00:06:41,600
of a dragon con to uh get a better feel

161
00:06:44,790 --> 00:06:43,199
for it now this wasn't available all the

162
00:06:46,390 --> 00:06:44,800
years ago that i was here and i'm very

163
00:06:49,350 --> 00:06:46,400

glad that they're doing this now

164

00:06:51,110 --> 00:06:49,360

and i'm with uh some random guy who

165

00:06:51,909 --> 00:06:51,120

bumped into me near the elevator hello

166

00:06:54,390 --> 00:06:51,919

who's this

167

00:06:55,189 --> 00:06:54,400

uh adam buffaleno and you are a skeptic

168

00:06:57,749 --> 00:06:55,199

zone listener

169

00:06:58,710 --> 00:06:57,759

i have been for almost 10 years now i

170

00:07:00,390 --> 00:06:58,720

think

171

00:07:03,510 --> 00:07:00,400

well the show's been going for just over

172

00:07:04,950 --> 00:07:03,520

10 years so you're doing pretty well

173

00:07:06,710 --> 00:07:04,960

but you're joining us here on the

174

00:07:07,909 --> 00:07:06,720

walking tour and so

175

00:07:10,390 --> 00:07:07,919

you and i will both get a good

176
00:07:12,629 --> 00:07:10,400
understanding of the scope of dragon con

177
00:07:14,629 --> 00:07:12,639
and here we are we're passing people

178
00:07:18,230 --> 00:07:14,639
dressed in all sorts of

179
00:07:21,270 --> 00:07:18,240
craziness already no no it's uh

180
00:07:22,629 --> 00:07:21,280
it's going to be massive you've got that

181
00:07:24,070 --> 00:07:22,639
right now we're entering the food court

182
00:07:26,950 --> 00:07:24,080
this is the first port of call on our

183
00:07:28,469 --> 00:07:26,960
tour probably a good idea i think

184
00:07:30,550 --> 00:07:28,479
already there are hundreds and hundreds

185
00:07:33,189 --> 00:07:30,560
of people here it's it's incredible

186
00:07:34,790 --> 00:07:33,199
but uh the parade of costumes that we

187
00:07:35,110 --> 00:07:34,800
will see over the next few days will be

188
00:07:39,110 --> 00:07:35,120

just

189

00:07:42,150 --> 00:07:39,120

minds right mind snapping i think

190

00:07:45,749 --> 00:07:42,160

come down here also for free music

191

00:07:48,150 --> 00:07:45,759

and also a lot of times there will be um

192

00:07:49,029 --> 00:07:48,160

interesting groups are here so fan run

193

00:07:51,430 --> 00:07:49,039

groups

194

00:07:53,430 --> 00:07:51,440

so if you're interested in something

195

00:07:55,990 --> 00:07:53,440

somebody might have a fan group for

196

00:07:57,270 --> 00:07:56,000

the hobbit or something like that uh i

197

00:07:58,469 --> 00:07:57,280

like the venture brothers and the

198

00:08:00,070 --> 00:07:58,479

venture brothers fan group

199

00:08:01,670 --> 00:08:00,080

and i hope they'll be there this year

200

00:08:04,550 --> 00:08:01,680

yeah so

201
00:08:06,150 --> 00:08:04,560
fan run groups are here free music and

202
00:08:10,309 --> 00:08:06,160
art show here

203
00:08:17,430 --> 00:08:13,430
all righty this is the embassy level

204
00:08:19,589 --> 00:08:17,440
and here we have sci-fi lit fantasy lit

205
00:08:21,350 --> 00:08:19,599
and writer's track room so if you're

206
00:08:23,830 --> 00:08:21,360
into any of those

207
00:08:26,550 --> 00:08:23,840
tracks science fiction literature which

208
00:08:28,790 --> 00:08:26,560
is going to be of course huge uh fantasy

209
00:08:31,830 --> 00:08:28,800
literature again pretty huge

210
00:08:33,990 --> 00:08:31,840
and writer's track room so uh you'll be

211
00:08:35,909 --> 00:08:34,000
having some

212
00:08:37,029 --> 00:08:35,919
well the tour is going on it's just been

213
00:08:40,550 --> 00:08:37,039

a labyrinth of

214

00:08:42,709 --> 00:08:40,560

sky bridges hotels rooms

215

00:08:44,630 --> 00:08:42,719

escalators sky bridges rooms another

216

00:08:47,829 --> 00:08:44,640

hotel and food courts

217

00:08:49,110 --> 00:08:47,839

and food courts and uh it's around

218

00:08:50,230 --> 00:08:49,120

another corner here there are people

219

00:08:51,829 --> 00:08:50,240

asking for blood

220

00:08:54,870 --> 00:08:51,839

it's a big blood drive here which is

221

00:08:59,590 --> 00:08:54,880

good to see where are we back in the

222

00:09:03,829 --> 00:08:59,600

marriott i think we are indeed yes

223

00:09:05,509 --> 00:09:03,839

it is confusing at first but somehow

224

00:09:07,350 --> 00:09:05,519

somehow i think it's starting to all

225

00:09:10,710 --> 00:09:07,360

come together like some

226

00:09:12,710 --> 00:09:10,720

bizarre multi-dimensional jigsaw puzzle

227

00:09:13,990 --> 00:09:12,720

as i said you look at the roof you look

228

00:09:16,310 --> 00:09:14,000

at the roof they're all different that's

229

00:09:19,910 --> 00:09:18,230

more winding around and over and under

230

00:09:22,949 --> 00:09:19,920

and through things and we're back at the

231

00:09:26,150 --> 00:09:22,959

hilton where the skeptrac is

232

00:09:29,590 --> 00:09:26,160

we are here at the hilton in

233

00:09:31,110 --> 00:09:29,600

hilton you have costuming costuming

234

00:09:35,110 --> 00:09:31,120

exhibition

235

00:09:39,269 --> 00:09:35,120

emf podcasting science

236

00:09:43,430 --> 00:09:39,279

skeptics space silk road

237

00:09:47,030 --> 00:09:43,440

grit anime and manga

238

00:09:50,150 --> 00:09:47,040

star trek animation and digital media

239

00:09:51,430 --> 00:09:50,160

so a lot of stuff going on here so some

240

00:09:54,230 --> 00:09:51,440

of these rooms back here

241

00:09:55,509 --> 00:09:54,240

great we've got a young lady here

242

00:09:57,910 --> 00:09:55,519

dressed as

243

00:09:58,630 --> 00:09:57,920

um i i'm not trusting anything in

244

00:10:00,710 --> 00:09:58,640

particular

245

00:10:01,750 --> 00:10:00,720

i've just taken my inspiration from the

246

00:10:05,190 --> 00:10:01,760

dark crystal

247

00:10:06,470 --> 00:10:05,200

you joined us on the walking tour and

248

00:10:08,870 --> 00:10:06,480

this is your first dragon con

249

00:10:10,710 --> 00:10:08,880

yes it is what are your impressions so

250

00:10:14,550 --> 00:10:10,720

far

251

00:10:18,949 --> 00:10:14,560

um a lot a lot going on

252

00:10:21,110 --> 00:10:18,959

um just more like surrounded by nerds

253

00:10:22,949 --> 00:10:21,120

it's awesome this is true this is very

254

00:10:25,829 --> 00:10:22,959

true and what do you hope to

255

00:10:26,630 --> 00:10:25,839

see here over the next few days um a lot

256

00:10:28,150 --> 00:10:26,640

of events

257

00:10:31,430 --> 00:10:28,160

yeah have you come for anything in

258

00:10:38,069 --> 00:10:34,949

a no bit of this a little bit of that um

259

00:10:40,470 --> 00:10:38,079

but uh but yeah i'm uh

260

00:10:41,269 --> 00:10:40,480

i'm really excited to like just

261

00:10:43,190 --> 00:10:41,279

experience

262

00:10:49,990 --> 00:10:43,200

it all i hope you have a wonderful time

263

00:10:57,190 --> 00:10:54,069

[Music]

264

00:10:58,470 --> 00:10:57,200

skepticon 2019 the australian skeptics

265

00:11:00,630 --> 00:10:58,480

national convention

266

00:11:01,990 --> 00:11:00,640

will be in melbourne from the 6th to the

267

00:11:04,870 --> 00:11:02,000

8th of december

268

00:11:06,949 --> 00:11:04,880

[Music]

269

00:11:08,470 --> 00:11:06,959

we have an impressive speaker lineup

270

00:11:11,590 --> 00:11:08,480

including the skeptic's

271

00:11:14,870 --> 00:11:11,600

guide to the universe dr steve novella j

272

00:11:18,230 --> 00:11:14,880

novella cara santa maria bob novella

273

00:11:19,990 --> 00:11:18,240

and evan bernstein also susan gerbic

274

00:11:22,630 --> 00:11:20,000

from guerrilla skepticism

275

00:11:24,949 --> 00:11:22,640

on wikipedia and many other

276

00:11:27,910 --> 00:11:24,959

international and local guests

277

00:11:30,230 --> 00:11:27,920

including joe thornley the host of

278

00:11:32,840 --> 00:11:30,240

zealot a podcast about cults

279

00:11:34,389 --> 00:11:32,850

and an author of a book by the same name

280

00:11:36,630 --> 00:11:34,399

[Music]

281

00:11:38,630 --> 00:11:36,640

skepticon includes a trivia night on

282

00:11:42,870 --> 00:11:38,640

thursday the 5th of december

283

00:11:44,870 --> 00:11:42,880

to test your skeptical knowledge

284

00:11:49,310 --> 00:11:44,880

for more information about the event the

285

00:11:54,829 --> 00:11:50,629

skepticon.org.au

286

00:11:54,839 --> 00:11:57,990

notes

287

00:12:11,540 --> 00:12:08,829

[Music]

288

00:12:18,710 --> 00:12:11,550

do

289

00:12:21,829 --> 00:12:20,870

everybody has a podcast these days it

290

00:12:24,629 --> 00:12:21,839

seems to me

291

00:12:26,230 --> 00:12:24,639

one of the the utter joys of coming back

292

00:12:27,990 --> 00:12:26,240

to dragon con after all these years are

293

00:12:31,509 --> 00:12:28,000

seeing some old friends

294

00:12:33,670 --> 00:12:31,519

and this bubble of joy

295

00:12:35,590 --> 00:12:33,680

and loveliness came up to me hug me i

296

00:12:37,670 --> 00:12:35,600

said just about to call the police but

297

00:12:39,750 --> 00:12:37,680

then i realized

298

00:12:41,190 --> 00:12:39,760

it was jennifer who i met first here at

299

00:12:43,750 --> 00:12:41,200

dragon con almost

300

00:12:45,190 --> 00:12:43,760

well a decade over a decade ago yeah and

301
00:12:47,750 --> 00:12:45,200
you saying that you've been

302
00:12:49,990 --> 00:12:47,760
here this is your 18th dragon con my

303
00:12:51,670 --> 00:12:50,000
18th dragon con and i love it it's i

304
00:12:54,069 --> 00:12:51,680
come every year i've been and i will

305
00:12:56,870 --> 00:12:54,079
come every year until

306
00:12:57,910 --> 00:12:56,880
until until the tsunami or the

307
00:12:59,910 --> 00:12:57,920
earthquake which you were just

308
00:13:02,550 --> 00:12:59,920
discussing a moment ago

309
00:13:03,750 --> 00:13:02,560
and you're always helping or taking part

310
00:13:04,310 --> 00:13:03,760
or doing something around the skeptic

311
00:13:06,550 --> 00:13:04,320
track

312
00:13:08,150 --> 00:13:06,560
yes i am usually um in attendance at the

313
00:13:11,269 --> 00:13:08,160

skeptic track every with

314

00:13:13,750 --> 00:13:11,279

as many panels as i can get to i um

315

00:13:15,430 --> 00:13:13,760

i usually go and uh and start parties

316

00:13:16,150 --> 00:13:15,440

with uh with all the skeptics that are

317

00:13:17,990 --> 00:13:16,160

around

318

00:13:19,269 --> 00:13:18,000

and and we have a great time because we

319

00:13:21,110 --> 00:13:19,279

don't see each other all year

320

00:13:22,310 --> 00:13:21,120

i live on the east coast and so i don't

321

00:13:23,430 --> 00:13:22,320

so i don't get to see every

322

00:13:25,670 --> 00:13:23,440

everybody because they're all spread

323

00:13:27,190 --> 00:13:25,680

around the country so um so i take this

324

00:13:29,430 --> 00:13:27,200

opportunity to have a great time

325

00:13:30,550 --> 00:13:29,440

and party with everybody and just and

326

00:13:33,829 --> 00:13:30,560

exchange ideas

327

00:13:35,829 --> 00:13:33,839

and and just catch up and be in and

328

00:13:37,430 --> 00:13:35,839

and and see my and see my wonderful

329

00:13:40,069 --> 00:13:37,440

friends again so that's uh

330

00:13:41,430 --> 00:13:40,079

so that's why why i come every year and

331

00:13:43,990 --> 00:13:41,440

i'm going to come every year for

332

00:13:45,430 --> 00:13:44,000

for the rest of time until you can uh

333

00:13:47,269 --> 00:13:45,440

and you're just

334

00:13:48,710 --> 00:13:47,279

saying that you you have a scientific

335

00:13:49,990 --> 00:13:48,720

background basically i do have

336

00:13:52,550 --> 00:13:50,000

scientific background but

337

00:13:53,910 --> 00:13:52,560

i'm not in science anymore i uh i left

338

00:13:56,470 --> 00:13:53,920

science for business

339

00:13:57,670 --> 00:13:56,480

and uh and now i work for the american

340

00:13:58,870 --> 00:13:57,680

association for the advancement of

341

00:14:00,870 --> 00:13:58,880

science as a

342

00:14:02,629 --> 00:14:00,880

administrative support specialist and

343

00:14:04,710 --> 00:14:02,639

for the center for public engagement

344

00:14:07,509 --> 00:14:04,720

with science and technology

345

00:14:08,949 --> 00:14:07,519

and uh so what we do is we uh we go

346

00:14:12,150 --> 00:14:08,959

around the country and we teach

347

00:14:14,629 --> 00:14:12,160

uh pis uh principal investigators

348

00:14:16,949 --> 00:14:14,639

how to communicate their research to lay

349

00:14:19,189 --> 00:14:16,959

audiences into government audiences

350

00:14:20,710 --> 00:14:19,199

and uh so and not everybody everybody

351

00:14:22,470 --> 00:14:20,720

not everybody has

352

00:14:24,470 --> 00:14:22,480

signed communication in their background

353

00:14:25,509 --> 00:14:24,480

or they they're not necessarily good at

354

00:14:26,790 --> 00:14:25,519

speaking i mean they may know their

355

00:14:28,150 --> 00:14:26,800

subject matter very well

356

00:14:30,470 --> 00:14:28,160

they don't know how to communicate that

357

00:14:31,670 --> 00:14:30,480

idea to just your average person

358

00:14:32,949 --> 00:14:31,680

and that's the idea they want to get

359

00:14:33,910 --> 00:14:32,959

people involved in the scientific

360

00:14:35,590 --> 00:14:33,920

process

361

00:14:37,509 --> 00:14:35,600

and they and they want to and they want

362

00:14:39,509 --> 00:14:37,519

to get people's attention

363

00:14:41,590 --> 00:14:39,519

and so they and so here at the center

364

00:14:42,310 --> 00:14:41,600

they they uh they show people how to do

365

00:14:44,150 --> 00:14:42,320

that

366

00:14:46,550 --> 00:14:44,160

and how to and how to broaden their

367

00:14:47,350 --> 00:14:46,560

audiences and so we send people all over

368

00:14:48,629 --> 00:14:47,360

the country and we

369

00:14:51,030 --> 00:14:48,639

we've actually had people outside of the

370

00:14:53,590 --> 00:14:51,040

country come in and um

371

00:14:55,430 --> 00:14:53,600

and uh we give presentations and

372

00:14:56,550 --> 00:14:55,440

workshops and we and we have people work

373

00:14:58,870 --> 00:14:56,560

together in groups since

374

00:15:00,949 --> 00:14:58,880

and individually to uh help develop

375

00:15:03,110 --> 00:15:00,959

their their plan for engagement for

376

00:15:04,949 --> 00:15:03,120

in the in the public so it's really so

377

00:15:06,470 --> 00:15:04,959

it's pretty great this reminds me of

378

00:15:09,509 --> 00:15:06,480

some of the work that uh

379

00:15:12,230 --> 00:15:09,519

alan alder is doing yes but he is a

380

00:15:13,590 --> 00:15:12,240

triple a fellow so yeah we have plenty

381

00:15:16,550 --> 00:15:13,600

of awards that uh

382

00:15:17,910 --> 00:15:16,560

that uh honor and uh al and alden people

383

00:15:18,870 --> 00:15:17,920

like him who do the kind of work of

384

00:15:22,230 --> 00:15:18,880

science engagement

385

00:15:24,310 --> 00:15:22,240

it is a it is a grand um

386

00:15:25,509 --> 00:15:24,320

adventure to be able to be able to get

387

00:15:26,550 --> 00:15:25,519

to know so many different kinds of

388

00:15:27,430 --> 00:15:26,560

people with different kinds of

389

00:15:29,189 --> 00:15:27,440

backgrounds

390

00:15:30,790 --> 00:15:29,199

they're coming in and they want to and

391

00:15:33,269 --> 00:15:30,800

they want to know like how do i

392

00:15:34,230 --> 00:15:33,279

say communicate my message of research

393

00:15:36,310 --> 00:15:34,240

and science

394

00:15:37,509 --> 00:15:36,320

to an audience that of people who are

395

00:15:39,269 --> 00:15:37,519

maybe don't have any

396

00:15:40,870 --> 00:15:39,279

background of what i what i do or maybe

397

00:15:42,949 --> 00:15:40,880

have never even heard what i do

398

00:15:44,790 --> 00:15:42,959

or maybe have some interest but not but

399

00:15:45,910 --> 00:15:44,800

not enough background to actually know

400

00:15:49,430 --> 00:15:45,920

the something matter that

401
00:15:51,590 --> 00:15:49,440
that pi would talk about so we help them

402
00:15:52,710 --> 00:15:51,600
bridge those gaps and connect those

403
00:15:57,670 --> 00:15:52,720
people

404
00:15:59,509 --> 00:15:57,680
find out more about the this

405
00:16:00,470 --> 00:15:59,519
organization well you can go to triple e

406
00:16:02,069 --> 00:16:00,480
s.org

407
00:16:04,629 --> 00:16:02,079
this for in the center for public

408
00:16:06,710 --> 00:16:04,639
engagement with science and technology

409
00:16:08,790 --> 00:16:06,720
that on aaas.org will take you to

410
00:16:11,829 --> 00:16:08,800
anywhere that any of our

411
00:16:13,990 --> 00:16:11,839
our awards and programs and all of the

412
00:16:15,910 --> 00:16:14,000
member services that we have

413
00:16:17,269 --> 00:16:15,920

and and and you can learn everything you

414

00:16:17,670 --> 00:16:17,279

want to know about triple a s and what

415

00:16:20,629 --> 00:16:17,680

we do

416

00:16:21,990 --> 00:16:20,639

in our message of science for for all of

417

00:16:25,030 --> 00:16:22,000

the world not just americans

418

00:16:27,350 --> 00:16:25,040

[Laughter]

419

00:16:28,710 --> 00:16:27,360

aaas.org but you can always find a link

420

00:16:32,310 --> 00:16:28,720

in this week's show notes

421

00:16:35,670 --> 00:16:34,069

thank you jennifer very much oh thank

422

00:16:37,350 --> 00:16:35,680

you so much i appreciate you

423

00:16:51,030 --> 00:16:37,360

and i'm and i've missed you it's been

424

00:16:53,590 --> 00:16:51,040

great to see you

425

00:16:54,550 --> 00:16:53,600

hi this is dr pamela gay from astronomy

426

00:16:56,629 --> 00:16:54,560

cast

427

00:16:58,470 --> 00:16:56,639

each week fraser kane and i take our

428

00:16:59,910 --> 00:16:58,480

listeners on a fact-based journey

429

00:17:02,389 --> 00:16:59,920

through the cosmos

430

00:17:03,590 --> 00:17:02,399

with our weekly podcast we explain not

431

00:17:06,150 --> 00:17:03,600

just what we know

432

00:17:08,069 --> 00:17:06,160

but how we know what we know about this

433

00:17:10,710 --> 00:17:08,079

universe that we share

434

00:17:11,350 --> 00:17:10,720

check us out at astronomycast.com and

435

00:17:13,829 --> 00:17:11,360

look for us

436

00:17:15,510 --> 00:17:13,839

in itunes google play and wherever you

437

00:17:22,700 --> 00:17:15,520

download podcasts

438

00:17:43,669 --> 00:17:39,300

[Music]

439

00:17:51,110 --> 00:17:47,430

i'm in what they call the vendors

440

00:17:53,270 --> 00:17:51,120

or traders area of dragon con

441

00:17:55,190 --> 00:17:53,280

and from what i can gather this is multi

442

00:17:58,230 --> 00:17:55,200

levels

443

00:18:02,150 --> 00:17:58,240

of big rooms

444

00:18:05,350 --> 00:18:02,160

covered with vendor tables t-shirts

445

00:18:06,630 --> 00:18:05,360

um money bags what's

446

00:18:09,669 --> 00:18:06,640

i'm just trying to describe everything

447

00:18:13,190 --> 00:18:09,679

i'm seeing we've got

448

00:18:17,350 --> 00:18:13,200

lots of outfits lots of outfits uh

449

00:18:20,549 --> 00:18:17,360

jewelry norse foundry i'm just passing

450

00:18:23,190 --> 00:18:20,559

uh fantasy toys

451
00:18:24,390 --> 00:18:23,200
thousands of people in here literally

452
00:18:28,390 --> 00:18:24,400
thousands of people

453
00:18:30,150 --> 00:18:28,400
many in elaborate costumes

454
00:18:31,430 --> 00:18:30,160
lots of artists displaying their work

455
00:18:32,789 --> 00:18:31,440
which is nice to see

456
00:18:35,430 --> 00:18:32,799
and i think i've come to one of the

457
00:18:37,750 --> 00:18:35,440
tables i was keen to get to

458
00:18:45,750 --> 00:18:37,760
and that's one selling dice so i better

459
00:18:50,390 --> 00:18:47,669
the other popular corsets i've never

460
00:18:54,230 --> 00:18:50,400
seen so many corsets in my life because

461
00:18:55,669 --> 00:18:54,240
i have and the passing parade is

462
00:18:57,669 --> 00:18:55,679
something to see these are just people

463
00:19:00,070 --> 00:18:57,679

also here looking at things

464

00:19:02,310 --> 00:19:00,080

we have everything from rookies to storm

465

00:19:06,549 --> 00:19:02,320

troopers to pirates

466

00:19:09,990 --> 00:19:06,559

superheroes um characters from

467

00:19:11,909 --> 00:19:10,000

many things i don't even recognize

468

00:19:14,390 --> 00:19:11,919

well that's fine it's all part of the

469

00:19:22,230 --> 00:19:16,710

ghost superhero star trek there goes

470

00:19:27,190 --> 00:19:24,549

row after row after row after row table

471

00:19:29,669 --> 00:19:27,200

after table off the table

472

00:19:30,630 --> 00:19:29,679

it's simple harry potter oh i can buy a

473

00:19:33,669 --> 00:19:30,640

magic wand

474

00:19:34,230 --> 00:19:33,679

it's simply too much to take in doing it

475

00:19:35,669 --> 00:19:34,240

once

476

00:19:39,669 --> 00:19:35,679

i think i'll have to come back here

477

00:19:41,990 --> 00:19:39,679

quite a few times over the next few days

478

00:19:44,630 --> 00:19:42,000

today being friday the first day it's

479

00:19:45,909 --> 00:19:44,640

open it's particularly crowded

480

00:19:50,830 --> 00:19:45,919

trying to get through the people here

481

00:19:54,950 --> 00:19:53,190

kilts that's interesting you do see a

482

00:19:57,750 --> 00:19:54,960

lot of kilts here at dragon con

483

00:20:04,830 --> 00:19:57,760

i'm not exactly sure why but you do see

484

00:20:13,350 --> 00:20:08,710

gridlock i'm in a human gridlock here

485

00:20:13,360 --> 00:20:19,110

thank you

486

00:20:23,669 --> 00:20:21,430

and another dice table oh this is a good

487

00:20:26,789 --> 00:20:23,679

place

488

00:20:29,590 --> 00:20:26,799

well a brief stop by the dice store and

489

00:20:31,909 --> 00:20:29,600

i've got a bag full of d10 dice

490

00:20:34,470 --> 00:20:31,919

which is great because uh they're used

491

00:20:35,830 --> 00:20:34,480

in the mr investigator show where we do

492

00:20:39,590 --> 00:20:35,840

a random number

493

00:20:44,310 --> 00:20:39,600

to six but we give away d10 dice because

494

00:20:51,510 --> 00:20:48,470

yet more amazing costumes for sale

495

00:20:55,590 --> 00:20:51,520

there's spiderman over there

496

00:21:02,710 --> 00:20:59,190

comics and toys what's that

497

00:21:05,990 --> 00:21:02,720

we have armor

498

00:21:10,390 --> 00:21:06,000

swords and things like that lots of

499

00:21:14,870 --> 00:21:12,789

we have a doctor who themed stained

500

00:21:16,950 --> 00:21:14,880

glass window with a tardis

501
00:21:21,029 --> 00:21:16,960
oh and one with the enterprise very

502
00:21:28,830 --> 00:21:25,350
so much to see so much to see

503
00:21:31,270 --> 00:21:28,840
and it just goes samurai swords good

504
00:21:32,950 --> 00:21:31,280
grief i'd like to see me getting those

505
00:21:35,990 --> 00:21:32,960
through customs

506
00:21:40,870 --> 00:21:36,000
i'm just passing a valkyrie here

507
00:21:44,070 --> 00:21:43,510
we have uh famous movie posters on sale

508
00:21:46,950 --> 00:21:44,080
here

509
00:21:48,230 --> 00:21:46,960
rocky horror 2001 the original star wars

510
00:21:51,350 --> 00:21:48,240
800

511
00:21:52,950 --> 00:21:51,360
for the original star wars poster well

512
00:21:55,909 --> 00:21:52,960
i'm going to keep wandering around

513
00:21:56,950 --> 00:21:55,919

seeing what else i can find here but it

514

00:21:58,710 --> 00:21:56,960

certainly is for me

515

00:22:01,029 --> 00:21:58,720

anyway i think one of the highlights of

516

00:22:03,669 --> 00:22:01,039

these conventions is just the fun

517

00:22:04,870 --> 00:22:03,679

and the craziness i keep using that word

518

00:22:15,830 --> 00:22:04,880

a lot

519

00:22:19,669 --> 00:22:17,669

now walking back to the hotel along the

520

00:22:21,029 --> 00:22:19,679

crowded crowded streets

521

00:22:23,190 --> 00:22:21,039

and it's interesting to see how many

522

00:22:26,310 --> 00:22:23,200

people are willing to line up in the hot

523

00:22:26,870 --> 00:22:26,320

sun to see something or other an evander

524

00:22:28,950 --> 00:22:26,880

star

525

00:22:31,510 --> 00:22:28,960

or a panel or whatever i'm passing

526

00:22:36,149 --> 00:22:34,470

looking hot and tired and the queue

527

00:22:38,830 --> 00:22:36,159

stretches around the corner i wonder

528

00:22:38,840 --> 00:22:41,909

for

529

00:22:47,510 --> 00:22:45,029

somehow i'm working my way back to the

530

00:22:48,070 --> 00:22:47,520

uh hilton where the skeptic guild track

531

00:22:52,310 --> 00:22:48,080

is

532

00:22:54,070 --> 00:22:52,320

the skype track and i'm in the hyatt

533

00:22:56,070 --> 00:22:54,080

making my way through crowds and crowds

534

00:22:57,830 --> 00:22:56,080

and crowds and i'm delighted to see

535

00:22:59,430 --> 00:22:57,840

there's a whole group of people here and

536

00:23:01,750 --> 00:22:59,440

i thought there would be

537

00:23:03,430 --> 00:23:01,760

dressed us the crew of the starship

538

00:23:08,410 --> 00:23:03,440

orville

539

00:24:16,830 --> 00:23:08,420

one for maynard

540

00:24:29,830 --> 00:24:18,540

so

541

00:24:34,070 --> 00:24:32,310

now let's dive once again into the back

542

00:24:35,990 --> 00:24:34,080

issues of the skeptic the journal from

543

00:24:38,470 --> 00:24:36,000

australian skeptics

544

00:24:40,230 --> 00:24:38,480

this week we're going back all the way

545

00:24:45,110 --> 00:24:40,240

to 2014

546

00:24:47,430 --> 00:24:45,120

volume 34 number three and on page 22

547

00:24:49,830 --> 00:24:47,440

a report by a dear friend of mine

548

00:24:53,669 --> 00:24:49,840

loretta marin also known as the

549

00:25:00,310 --> 00:24:53,679

jelly bean lady harmony

550

00:25:02,870 --> 00:25:00,320

pharmacy fantasy

551
00:25:05,269 --> 00:25:02,880
marin looks at a disturbing attempt by

552
00:25:06,360 --> 00:25:05,279
pharmacists to woo customers

553
00:25:09,990 --> 00:25:06,370
with woo

554
00:25:15,029 --> 00:25:13,190
tired and feeling unwell want to improve

555
00:25:18,149 --> 00:25:15,039
your vitality

556
00:25:19,590 --> 00:25:18,159
why not see the in-house naturopath in

557
00:25:22,149 --> 00:25:19,600
your pharmacy

558
00:25:25,430 --> 00:25:22,159
surely they can help after all they

559
00:25:28,630 --> 00:25:25,440
offer a wide range of goods and services

560
00:25:31,430 --> 00:25:28,640
but do they actually work

561
00:25:33,190 --> 00:25:31,440
are they value for money tucked in the

562
00:25:36,230 --> 00:25:33,200
corner of my local pharmacy

563
00:25:39,510 --> 00:25:36,240

is a high-tech naturopathy clinic

564

00:25:41,269 --> 00:25:39,520

complete with a flashy chrome and glass

565

00:25:44,870 --> 00:25:41,279

door etched with a long

566

00:25:47,269 --> 00:25:44,880

list of available alternative services

567

00:25:50,070 --> 00:25:47,279

according to the pharmacy staff wearing

568

00:25:54,830 --> 00:25:50,080

badges referring customers to the clinic

569

00:25:57,909 --> 00:25:54,840

they go there for natural treatment

570

00:26:01,990 --> 00:25:57,919

alternatives alternatives to what

571

00:26:05,750 --> 00:26:02,000

to treatments which actually work

572

00:26:07,750 --> 00:26:05,760

perhaps at only ninety dollars for a

573

00:26:09,909 --> 00:26:07,760

one-hour consultation

574

00:26:11,269 --> 00:26:09,919

attracting a private health insurance

575

00:26:14,310 --> 00:26:11,279

rebate from most

576

00:26:16,950 --> 00:26:14,320

funds so there must be something to it

577

00:26:19,909 --> 00:26:16,960

these naturopaths claiming expertise in

578

00:26:22,630 --> 00:26:19,919

complementary medicines and wellness

579

00:26:23,750 --> 00:26:22,640

use approaches tailored to individual

580

00:26:27,190 --> 00:26:23,760

needs

581

00:26:29,669 --> 00:26:27,200

they are caring people with your health

582

00:26:33,110 --> 00:26:29,679

and well-being their priority

583

00:26:36,830 --> 00:26:33,120

unlike your money-hungry gp they

584

00:26:40,230 --> 00:26:36,840

will correct underlying causative

585

00:26:42,549 --> 00:26:40,240

factors support your lifestyle to

586

00:26:43,269 --> 00:26:42,559

compensate for environmental factors

587

00:26:46,950 --> 00:26:43,279

which

588

00:26:48,549 --> 00:26:46,960

might be damaging your health advise you

589

00:26:51,909 --> 00:26:48,559

on how to make your

590

00:26:53,750 --> 00:26:51,919

body's natural defenses work more

591

00:26:55,830 --> 00:26:53,760

efficiently

592

00:26:57,350 --> 00:26:55,840

advise you on stress management

593

00:27:01,029 --> 00:26:57,360

digestive health

594

00:27:04,230 --> 00:27:01,039

and improving your energy

595

00:27:04,830 --> 00:27:04,240

assist you in achieving an abundantly

596

00:27:08,230 --> 00:27:04,840

healthy

597

00:27:12,310 --> 00:27:08,240

life educate you on how to promote

598

00:27:15,430 --> 00:27:12,320

optimal vitality help you improve your

599

00:27:18,389 --> 00:27:15,440

immune system naturally

600

00:27:19,990 --> 00:27:18,399

help relieve the signs and symptoms of

601
00:27:22,389 --> 00:27:20,000
ill health

602
00:27:23,350 --> 00:27:22,399
help you live a healthy balanced quality

603
00:27:26,389 --> 00:27:23,360
of life

604
00:27:29,350 --> 00:27:26,399
and help you make informed

605
00:27:32,070 --> 00:27:29,360
decisions about your health wow who

606
00:27:35,110 --> 00:27:32,080
could possibly refuse such an offer

607
00:27:38,070 --> 00:27:35,120
and all that for only ninety dollars

608
00:27:40,630 --> 00:27:38,080
and it gets better with a naturopathy

609
00:27:41,750 --> 00:27:40,640
loyalty card your fifth consultation is

610
00:27:44,630 --> 00:27:41,760
free

611
00:27:46,230 --> 00:27:44,640
too good to be true what happens during

612
00:27:49,510 --> 00:27:46,240
a consultation

613
00:27:53,110 --> 00:27:49,520

it might start with iridology

614

00:27:57,510 --> 00:27:53,120

unproven and tongue diagnosis

615

00:28:00,070 --> 00:27:57,520

unproven for more in-depth analysis

616

00:28:01,510 --> 00:28:00,080

your blood may be viewed under a

617

00:28:05,190 --> 00:28:01,520

microscope with live

618

00:28:07,510 --> 00:28:05,200

blood analysis unproven to help

619

00:28:08,870 --> 00:28:07,520

assess your current state of health and

620

00:28:13,190 --> 00:28:08,880

evaluate possible

621

00:28:16,470 --> 00:28:13,200

stressors with bioenergetic

622

00:28:19,750 --> 00:28:16,480

screening you might be connected to a

623

00:28:22,950 --> 00:28:19,760

vega acera pro or life

624

00:28:25,430 --> 00:28:22,960

system apparatus all unproven

625

00:28:26,470 --> 00:28:25,440

which assesses organ function

626
00:28:30,230 --> 00:28:26,480
nutritional

627
00:28:33,190 --> 00:28:30,240
vitamin and hormonal deficiencies

628
00:28:35,990 --> 00:28:33,200
heavy metal toxicities allergies

629
00:28:37,029 --> 00:28:36,000
digestive disorders sensitivities and

630
00:28:40,389 --> 00:28:37,039
environmental

631
00:28:43,830 --> 00:28:40,399
substances background infections

632
00:28:46,870 --> 00:28:43,840
viruses bacteria fungi and parasites

633
00:28:47,430 --> 00:28:46,880
mental and emotional states spinal

634
00:28:50,549 --> 00:28:47,440
energy

635
00:28:53,350 --> 00:28:50,559
dental work and dental materials

636
00:28:55,430 --> 00:28:53,360
such as amalgam fillings root canal work

637
00:28:58,950 --> 00:28:55,440
anesthetics antibiotics

638
00:29:01,590 --> 00:28:58,960

vaccination disturbance metabolic issues

639

00:29:03,029 --> 00:29:01,600

thyroid disturbance neurological

640

00:29:05,830 --> 00:29:03,039

imbalances

641

00:29:06,950 --> 00:29:05,840

and more while these tests sound

642

00:29:09,750 --> 00:29:06,960

convincing

643

00:29:10,549 --> 00:29:09,760

you will not be told that all should be

644

00:29:13,190 --> 00:29:10,559

avoided

645

00:29:15,669 --> 00:29:13,200

and these devices are not listed with

646

00:29:18,149 --> 00:29:15,679

the therapeutics goods administration

647

00:29:19,909 --> 00:29:18,159

and that many complaints against them

648

00:29:22,389 --> 00:29:19,919

have been upheld

649

00:29:25,110 --> 00:29:22,399

one sponsor was even successfully

650

00:29:27,590 --> 00:29:25,120

challenged by the acc

651
00:29:29,430 --> 00:29:27,600
getting tested by a naturopath might

652
00:29:32,549 --> 00:29:29,440
seem like an option but

653
00:29:33,430 --> 00:29:32,559
apart from a friendly smile and alarmist

654
00:29:35,350 --> 00:29:33,440
words

655
00:29:37,830 --> 00:29:35,360
what they offer is mostly a waste of

656
00:29:40,389 --> 00:29:37,840
time and money

657
00:29:41,430 --> 00:29:40,399
but haven't naturopaths been trained at

658
00:29:44,149 --> 00:29:41,440
uni

659
00:29:44,950 --> 00:29:44,159
some have but attending an australian

660
00:29:48,549 --> 00:29:44,960
university

661
00:29:51,110 --> 00:29:48,559
is regrettably no longer a guarantee

662
00:29:52,230 --> 00:29:51,120
that what is learnt has any scientific

663
00:29:54,149 --> 00:29:52,240

basis

664

00:29:55,669 --> 00:29:54,159

one-third of our universities often

665

00:29:58,789 --> 00:29:55,679

non-science

666

00:30:00,789 --> 00:29:58,799

equals nonsense courses without credible

667

00:30:03,830 --> 00:30:00,799

evidence to back up their claims

668

00:30:04,789 --> 00:30:03,840

homeopathy acupuncture cranosacral

669

00:30:09,190 --> 00:30:04,799

therapy

670

00:30:12,470 --> 00:30:09,200

applied kinesiology energy medicine

671

00:30:13,350 --> 00:30:12,480

the list goes on so why do pharmacy

672

00:30:16,310 --> 00:30:13,360

owners allow

673

00:30:16,990 --> 00:30:16,320

naturopaths in among their real business

674

00:30:19,590 --> 00:30:17,000

of

675

00:30:22,310 --> 00:30:19,600

cooperating with doctors and hospitals

676
00:30:23,909 --> 00:30:22,320
and dispensing effective medicines

677
00:30:26,149 --> 00:30:23,919
according to the pharmacy board of

678
00:30:29,029 --> 00:30:26,159
australia pharmacists

679
00:30:31,350 --> 00:30:29,039
must limit their provision of advice

680
00:30:34,470 --> 00:30:31,360
about alternative interventions

681
00:30:37,669 --> 00:30:34,480
to those therapies which have documented

682
00:30:38,549 --> 00:30:37,679
evidence of effectiveness offering the

683
00:30:41,830 --> 00:30:38,559
services of

684
00:30:43,510 --> 00:30:41,840
in-house naturopaths not only bypasses

685
00:30:46,870 --> 00:30:43,520
these obligations

686
00:30:51,269 --> 00:30:46,880
but considerably increases the owner's

687
00:30:53,669 --> 00:30:51,279
profits from complementary medicines

688
00:30:56,149 --> 00:30:53,679

pharmacies are supposed to be frontline

689

00:30:58,630 --> 00:30:56,159

agents of primary care

690

00:31:00,149 --> 00:30:58,640

their role includes protecting patients

691

00:31:03,509 --> 00:31:00,159

from the fraudulent and

692

00:31:06,710 --> 00:31:03,519

unscientific pharmacists must be

693

00:31:07,350 --> 00:31:06,720

personally and properly persuaded of the

694

00:31:10,710 --> 00:31:07,360

safety

695

00:31:13,750 --> 00:31:10,720

and effectiveness of what they offer but

696

00:31:16,630 --> 00:31:13,760

with deals negotiated behind closed

697

00:31:19,750 --> 00:31:16,640

doors by the marketing departments of

698

00:31:22,630 --> 00:31:19,760

big vitamin with no professional input

699

00:31:23,669 --> 00:31:22,640

the provision of naturopathy remains an

700

00:31:27,430 --> 00:31:23,679

unethical

701
00:31:30,149 --> 00:31:27,440
profit-seeking gimmick see the story on

702
00:31:32,710 --> 00:31:30,159
vitamin supplier blackmore's attempted

703
00:31:33,590 --> 00:31:32,720
coke and fries deal with the pharmacy

704
00:31:37,110 --> 00:31:33,600
guild

705
00:31:40,070 --> 00:31:37,120
the skeptic page 20 volume 31

706
00:31:40,789 --> 00:31:40,080
number four december 2011. are we to

707
00:31:43,269 --> 00:31:40,799
believe that

708
00:31:45,590 --> 00:31:43,279
pharmacy owners who host these clinics

709
00:31:45,990 --> 00:31:45,600
are unaware of what their customers are

710
00:31:49,509 --> 00:31:46,000
being

711
00:31:52,149 --> 00:31:49,519
told patients trust the professional

712
00:31:54,310 --> 00:31:52,159
judgment of their pharmacists isn't

713
00:31:56,789 --> 00:31:54,320

hosting a naturopathy clinic

714

00:31:58,470 --> 00:31:56,799

inadvertently making a recommendation by

715

00:32:00,549 --> 00:31:58,480

implication

716

00:32:02,630 --> 00:32:00,559

can you really trust a pharmacy where

717

00:32:05,990 --> 00:32:02,640

you are encouraged to have

718

00:32:07,909 --> 00:32:06,000

unproven diagnostics questionable advice

719

00:32:10,310 --> 00:32:07,919

and so-called treatments from someone

720

00:32:13,110 --> 00:32:10,320

trained in pseudoscience

721

00:32:14,549 --> 00:32:13,120

pharmacies can only be owned by

722

00:32:16,870 --> 00:32:14,559

pharmacists

723

00:32:19,029 --> 00:32:16,880

many argue that they must offer

724

00:32:20,230 --> 00:32:19,039

alternative medicine to meet consumer

725

00:32:22,310 --> 00:32:20,240

demand

726
00:32:23,430 --> 00:32:22,320
have they forgotten that they are part

727
00:32:26,630 --> 00:32:23,440
of the team

728
00:32:28,789 --> 00:32:26,640
treating patients not consumers

729
00:32:30,710 --> 00:32:28,799
are they not ignoring science and

730
00:32:33,750 --> 00:32:30,720
putting profit over their patients

731
00:32:36,710 --> 00:32:33,760
health as honest pharmacists speak

732
00:32:38,870 --> 00:32:36,720
out against the unethical practice will

733
00:32:42,470 --> 00:32:38,880
others start listening to their own

734
00:32:45,110 --> 00:32:42,480
professional leaders

735
00:32:46,470 --> 00:32:45,120
about the author loretta marin is a

736
00:32:49,110 --> 00:32:46,480
three-time winner of

737
00:32:49,830 --> 00:32:49,120
skeptic of the year and founder of

738
00:32:53,350 --> 00:32:49,840

friends

739

00:32:58,389 --> 00:32:55,269

[Music]

740

00:32:58,870 --> 00:32:58,399

and that was pharmacy fantasy found on

741

00:33:01,350 --> 00:32:58,880

page

742

00:33:02,950 --> 00:33:01,360

22 of the skeptic the journal from

743

00:33:06,230 --> 00:33:02,960

australian skeptics volume

744

00:33:08,830 --> 00:33:06,240

34 number three from september 2014.

745

00:33:11,520 --> 00:33:08,840

yours free to download from

746

00:33:14,789 --> 00:33:11,530

www.skeptics.com

747

00:33:18,310 --> 00:33:14,799

[Laughter]

748

00:33:18,950 --> 00:33:18,320

and i'm sorry to say that nothing has

749

00:33:21,990 --> 00:33:18,960

changed

750

00:33:23,909 --> 00:33:22,000

since that article was published it is

751

00:33:25,029 --> 00:33:23,919

very easy these days to walk into a

752

00:33:28,470 --> 00:33:25,039

pharmacy

753

00:33:31,430 --> 00:33:28,480

in australia and discover a naturopath

754

00:33:31,909 --> 00:33:31,440

lurking in the corner but even if there

755

00:33:34,630 --> 00:33:31,919

wasn't

756

00:33:37,110 --> 00:33:34,640

a naturopath lurking in the corner you

757

00:33:56,950 --> 00:33:37,120

can still find plenty of pseudoscience

758

00:34:00,310 --> 00:33:58,789

thank you for listening to the skeptic

759

00:34:02,149 --> 00:34:00,320

zone next week

760

00:34:04,630 --> 00:34:02,159

uh hopefully i should be able to bring

761

00:34:06,149 --> 00:34:04,640

you a recording of the skeptic zone live

762

00:34:08,950 --> 00:34:06,159

recorded here in atlanta

763

00:34:10,470 --> 00:34:08,960

georgia at dragon con with my special

764

00:34:13,109 --> 00:34:10,480

guest margaret downey

765

00:34:14,389 --> 00:34:13,119

hopefully that's coming up next week and

766

00:34:17,430 --> 00:34:14,399

just before i wrap

767

00:34:19,510 --> 00:34:17,440

up this this episode this morning as i

768

00:34:19,990 --> 00:34:19,520

record this i've just come back from

769

00:34:23,669 --> 00:34:20,000

walking

770

00:34:25,829 --> 00:34:23,679

in the dragon con parade through atlanta

771

00:34:27,270 --> 00:34:25,839

never done that before and i was dressed

772

00:34:29,990 --> 00:34:27,280

as a greek philosopher

773

00:34:30,389 --> 00:34:30,000

what a lot of fun that was what a lot of

774

00:34:32,710 --> 00:34:30,399

fun

775

00:34:33,669 --> 00:34:32,720

thousands and thousands of people waving

776

00:34:38,149 --> 00:34:33,679

and cheering

777

00:34:40,389 --> 00:34:38,159

as the whole passing parade passed by

778

00:34:42,230 --> 00:34:40,399

but for this week and wish me luck this

779

00:34:47,750 --> 00:34:42,240

is richard saunders signing off

780

00:34:50,950 --> 00:34:49,510

you've been listening to the skeptic

781

00:34:54,190 --> 00:34:50,960

zone podcast

782

00:34:55,510 --> 00:34:54,200

please visit our website at

783

00:34:58,630 --> 00:34:55,520

www.skepticzone.tv

784

00:35:00,630 --> 00:34:58,640

for show notes contacts and to access

785

00:35:04,150 --> 00:35:00,640

the back catalog of episodes

786

00:35:06,150 --> 00:35:04,160

going back to 2008 you can follow the

787

00:35:09,670 --> 00:35:06,160

skeptic zone podcast on twitter

788

00:35:13,190 --> 00:35:09,680

at skepticzone visit our facebook page

789

00:35:14,550 --> 00:35:13,200

or leave a review on itunes you can also

790

00:35:17,829 --> 00:35:14,560

support the skeptic zone

791

00:35:18,550 --> 00:35:17,839

via patreon or paypal the skeptic zone

792

00:35:21,430 --> 00:35:18,560

podcast

793

00:35:23,270 --> 00:35:21,440

is an independent production the views

794

00:35:23,670 --> 00:35:23,280

and opinions expressed on the skeptic

795

00:35:25,670 --> 00:35:23,680

zone

796

00:35:27,589 --> 00:35:25,680

are not necessarily those of australian