

# **SKEPTIC ZONE**



**Show 4**  
**24.Oct.2008**

**The  
Podcast  
from  
Australia  
for  
Science  
and  
Reason**

**[www.skepticzone.tv](http://www.skepticzone.tv)**

1  
00:00:12,970 --> 00:00:09,470  
welcome to the skeptic zone the podcast

2  
00:00:16,790 --> 00:00:12,980  
from Australia for science and reason

3  
00:00:20,240 --> 00:00:16,800  
yuria hosts Richard Saunders and Stefan

4  
00:00:25,820 --> 00:00:22,580  
Richard it's great to be back in the

5  
00:00:27,350 --> 00:00:25,830  
zone against episode for Stefan what

6  
00:00:29,390 --> 00:00:27,360  
would we do without that tremendous

7  
00:00:31,010 --> 00:00:29,400  
music oh I know where they came that

8  
00:00:33,229 --> 00:00:31,020  
must mean channel through some sort of

9  
00:00:35,860 --> 00:00:33,239  
astral plane to be to be that good an

10  
00:00:38,869 --> 00:00:35,870  
astral plane is that like an aeroplane

11  
00:00:40,160 --> 00:00:38,879  
with sound astral plane moves sounded

12  
00:00:41,840 --> 00:00:40,170  
like that oh that's excellent that's

13  
00:00:45,830 --> 00:00:41,850

great to be back again the fourth

14

00:00:47,360 --> 00:00:45,840

skeptic zone or ever moving on from the

15

00:00:49,250 --> 00:00:47,370

old skeptic tanguita which was awesome

16

00:00:51,560 --> 00:00:49,260

in its david that the zone is just so

17

00:00:53,120 --> 00:00:51,570

much better i do i love i love being in

18

00:00:55,490 --> 00:00:53,130

the zone and apparently lots of people

19

00:00:57,350 --> 00:00:55,500

out there also love it we're looking at

20

00:00:59,330 --> 00:00:57,360

about 3,000 downloads so far we've

21

00:01:02,330 --> 00:00:59,340

cracked about 2,000 in fact we've passed

22

00:01:04,880 --> 00:01:02,340

two thousand I to subscribers oh crap in

23

00:01:06,790 --> 00:01:04,890

the shadows it's a relatively new show

24

00:01:09,859 --> 00:01:06,800

thanks for and thanks for everybody who

25

00:01:11,389 --> 00:01:09,869

are taking the time to email us it's

26

00:01:12,889 --> 00:01:11,399

really great yeah it's been great we're

27

00:01:13,969 --> 00:01:12,899

getting a lot of good feedback I don't

28

00:01:15,830 --> 00:01:13,979

we sort of clown around it at the

29

00:01:17,450 --> 00:01:15,840

beginning here but it's it's all in good

30

00:01:19,490 --> 00:01:17,460

fun because it is actually a fun topic

31

00:01:21,800 --> 00:01:19,500

skepticism people think it's a dry and

32

00:01:24,320 --> 00:01:21,810

draw but now it's a lot of fun well as

33

00:01:26,240 --> 00:01:24,330

many facets I did silly but I think it

34

00:01:28,450 --> 00:01:26,250

really does and this week's show has

35

00:01:31,190 --> 00:01:28,460

many facets of course we're going to be

36

00:01:32,810 --> 00:01:31,200

we went last weekend to the Australian

37

00:01:35,240 --> 00:01:32,820

skeptics and national convention oh you

38

00:01:37,640 --> 00:01:35,250

did to once again you I couldn't make it

39

00:01:39,740 --> 00:01:37,650

it's so distressing but you had a good

40

00:01:41,810 --> 00:01:39,750

time we had a fantastic time and we'll

41

00:01:43,789 --> 00:01:41,820

be talking we had some interviews which

42

00:01:46,249 --> 00:01:43,799

will be playing a bit later on awesome

43

00:01:49,039 --> 00:01:46,259

and also there's a strange incident with

44

00:01:50,300 --> 00:01:49,049

a camel but we'll get to that I don't

45

00:01:51,890 --> 00:01:50,310

know if we should I keep shooting you

46

00:01:54,170 --> 00:01:51,900

know Marta is the writing going to

47

00:01:55,730 --> 00:01:54,180

change or just you'll just have to keep

48

00:01:58,100 --> 00:01:55,740

it this means no but it's still PG

49

00:02:00,620 --> 00:01:58,110

that's good that's good and so what else

50

00:02:02,630 --> 00:02:00,630

was happening we got up Oh dr. Phil

51  
00:02:04,580 --> 00:02:02,640  
Plait about one of the big news is our

52  
00:02:06,440 --> 00:02:04,590  
first interview in a few modes will be

53  
00:02:09,380 --> 00:02:06,450  
dr. Phil Plait this is a live interview

54  
00:02:11,210 --> 00:02:09,390  
we recorded a dragon con oh yes he's at

55  
00:02:12,920 --> 00:02:11,220  
dinner a legend isn't he a bit of a

56  
00:02:15,470 --> 00:02:12,930  
legend he's got a new book out death

57  
00:02:17,810 --> 00:02:15,480  
from the skies my goodness that all the

58  
00:02:19,819 --> 00:02:17,820  
way the world could really end and there

59  
00:02:21,110 --> 00:02:19,829  
are a lot of those aren't there I was

60  
00:02:22,370 --> 00:02:21,120  
actually reading up about that and

61  
00:02:24,500 --> 00:02:22,380  
there's there's so many like all these

62  
00:02:26,809 --> 00:02:24,510  
gap bursts of radiation

63  
00:02:28,100 --> 00:02:26,819

and you know meteorites but there's a

64

00:02:30,110 --> 00:02:28,110

bunch of others that you'd never dream

65

00:02:33,559 --> 00:02:30,120

of we're going to be trouble black holes

66

00:02:36,559 --> 00:02:33,569

white holes our sons exploding bombs

67

00:02:38,500 --> 00:02:36,569

exploding earthquakes it's all getting

68

00:02:40,970 --> 00:02:38,510

pretty busy of course that's going to be

69

00:02:43,729 --> 00:02:40,980

the major feature for the Today Show I

70

00:02:45,800 --> 00:02:43,739

think but also look out for dr. Rachel

71

00:02:48,440 --> 00:02:45,810

reports dr. Rachel Dunlop tackling

72

00:02:49,819 --> 00:02:48,450

quackery ah she's good isn't she and she

73

00:02:51,319 --> 00:02:49,829

always comes up some nights she's got a

74

00:02:53,270 --> 00:02:51,329

good sense of humor too so he does

75

00:02:56,119 --> 00:02:53,280

report always peppered with nicely done

76

00:02:59,059 --> 00:02:56,129

things and today it's she's looking at

77

00:03:00,860 --> 00:02:59,069

quackery in pharmacies oh there's none

78

00:03:03,710 --> 00:03:00,870

of that is there well you'd be surprised

79

00:03:06,500 --> 00:03:03,720

really yes I'm surprised you remember

80

00:03:08,599 --> 00:03:06,510

the good old days of ear candling love

81

00:03:11,030 --> 00:03:08,609

you Carolyn like after a long line of

82

00:03:12,949 --> 00:03:11,040

ear candling actually yeah I've always

83

00:03:14,300 --> 00:03:12,959

trusted my pharmacist I can't believe

84

00:03:16,610 --> 00:03:14,310

that what you're saying it's a pretty

85

00:03:18,319 --> 00:03:16,620

strange tune in for dr. H it's it's a

86

00:03:19,729 --> 00:03:18,329

bit disturbing I must admit it's a min

87

00:03:21,530 --> 00:03:19,739

disturbing and that's followed of course

88

00:03:23,780 --> 00:03:21,540

by the think tank where we get together

89  
00:03:27,410 --> 00:03:23,790  
micro lehand Amanda Rose Rachel Dunlop

90  
00:03:29,629 --> 00:03:27,420  
and myself Oh crowd into this club down

91  
00:03:31,729 --> 00:03:29,639  
the street rip open a couple of bottles

92  
00:03:33,020 --> 00:03:31,739  
of champagne and go for it good this way

93  
00:03:35,809 --> 00:03:33,030  
yeah you got to invite me to one of

94  
00:03:38,330 --> 00:03:35,819  
those one day well yes anytime anytime

95  
00:03:41,000 --> 00:03:38,340  
okay I'll gonna rise yourself away from

96  
00:03:43,159 --> 00:03:41,010  
the glom glom rip which has been serious

97  
00:03:45,050 --> 00:03:43,169  
medium enterprise now it's a bit tough

98  
00:03:47,509 --> 00:03:45,060  
but I will manage these are tear myself

99  
00:03:49,610 --> 00:03:47,519  
when get there and oh I don't put I did

100  
00:03:51,920 --> 00:03:49,620  
I did I tore myself away just the other

101  
00:03:53,270 --> 00:03:51,930  
night at Macquarie uni well yeah thanks

102  
00:03:54,710 --> 00:03:53,280  
for everybody who came to the Macquarie

103  
00:03:57,020 --> 00:03:54,720  
University to hear me give my talk

104  
00:03:58,759 --> 00:03:57,030  
mystery investigations and I like you

105  
00:04:00,439 --> 00:03:58,769  
stepping for being there are you

106  
00:04:02,569 --> 00:04:00,449  
alleging yours are you talked to always

107  
00:04:04,490 --> 00:04:02,579  
fascinating into an in fact filled and

108  
00:04:07,819 --> 00:04:04,500  
and the crowd lab there's a spoon

109  
00:04:09,199 --> 00:04:07,829  
bending got a lot I love that yes I

110  
00:04:11,750 --> 00:04:09,209  
think it's on with the show what do you

111  
00:04:13,490 --> 00:04:11,760  
think I think so Stefan and I'll see or

112  
00:04:15,589 --> 00:04:13,500  
speak to you at the end of the show in

113  
00:04:20,660 --> 00:04:15,599

about an hour or so looking forward to

114

00:04:25,410 --> 00:04:22,770

moving right along with a shot like to

115

00:04:35,070 --> 00:04:25,420

ask our next guest to the table dr. Phil

116

00:04:38,850 --> 00:04:35,080

Plait know that's right you've got about

117

00:04:40,500 --> 00:04:38,860

5 10 minutes so that's right talk really

118

00:04:42,240 --> 00:04:40,510

fast no I feel ready sure I can say my

119

00:04:43,560 --> 00:04:42,250

name in under five of 10 Phil Plait is

120

00:04:46,650 --> 00:04:43,570

being brought to you today by the

121

00:04:49,710 --> 00:04:46,660

mystery investigators wwm istry

122

00:04:51,630 --> 00:04:49,720

investigators calm the only paranormal

123

00:04:53,910 --> 00:04:51,640

busting show for schools in Australia

124

00:04:56,070 --> 00:04:53,920

thank you had to get that in although

125

00:04:57,540 --> 00:04:56,080

actually I was brought here by although

126

00:04:59,010 --> 00:04:57,550

that's wonderful i love mystery

127

00:05:00,540 --> 00:04:59,020

investigators but i do have to give a

128

00:05:03,000 --> 00:05:00,550

shout out to the international year of

129

00:05:06,240 --> 00:05:03,010

astronomy and pamela gay who did sponsor

130

00:05:08,580 --> 00:05:06,250

my mighty hated this convention now

131

00:05:10,230 --> 00:05:08,590

fills an old friend of australia and

132

00:05:12,570 --> 00:05:10,240

australian skeptics we brought fill out

133

00:05:14,850 --> 00:05:12,580

all right we brought fill out to

134

00:05:16,290 --> 00:05:14,860

australia in 2004 to attend our

135

00:05:18,570 --> 00:05:16,300

convention than you gave many more

136

00:05:20,460 --> 00:05:18,580

torques why you were there oh that was

137

00:05:22,410 --> 00:05:20,470

that was fantastic we went to four

138

00:05:24,690 --> 00:05:22,420

different observatories toward the Blue

139

00:05:27,420 --> 00:05:24,700

Mountains went from Canberra from Sydney

140

00:05:30,720 --> 00:05:27,430

to Canberra and it was two weeks of

141

00:05:31,920 --> 00:05:30,730

basically real heaven it was great and I

142

00:05:33,690 --> 00:05:31,930

hear that you contributed to the

143

00:05:35,850 --> 00:05:33,700

Australian English language as well you

144

00:05:37,770 --> 00:05:35,860

invented a new word for us either side

145

00:05:39,030 --> 00:05:37,780

well yeah I was pretty sure that they

146

00:05:41,400 --> 00:05:39,040

were making up most of the things they

147

00:05:42,990 --> 00:05:41,410

were telling me you're an American you'd

148

00:05:46,440 --> 00:05:43,000

see all these these signs for we're

149

00:05:48,450 --> 00:05:46,450

going to call them harshly and and so I

150

00:05:50,040 --> 00:05:48,460

I said you could just make up words and

151  
00:05:51,300 --> 00:05:50,050  
it would sound real and Richard said I

152  
00:05:52,590 --> 00:05:51,310  
don't leak you can do that and I said

153  
00:05:55,500 --> 00:05:52,600  
well I think it's a perfectly draw a

154  
00:05:56,820 --> 00:05:55,510  
thing to do and so now now I use that

155  
00:05:59,280 --> 00:05:56,830  
word I don't think anybody else does but

156  
00:06:01,170 --> 00:05:59,290  
I do it does sound Australian yeah yeah

157  
00:06:03,390 --> 00:06:01,180  
we get in this so if you hear the term

158  
00:06:04,590 --> 00:06:03,400  
draw bleah in the future well yeah

159  
00:06:07,110 --> 00:06:04,600  
because Richard was telling me to call

160  
00:06:08,580 --> 00:06:07,120  
people galas and drongos although i

161  
00:06:11,040 --> 00:06:08,590  
think one of those is not used it that

162  
00:06:12,330 --> 00:06:11,050  
much anymore another used they are as a

163  
00:06:14,430 --> 00:06:12,340

drunk a little bit all I think I

164

00:06:16,050 --> 00:06:14,440

convinced him there was a duck and I

165

00:06:18,000 --> 00:06:16,060

said look at that drunk oh over there

166

00:06:20,490 --> 00:06:18,010

tried to convince him that we use crazy

167

00:06:21,840 --> 00:06:20,500

words for the common objects yeah and I

168

00:06:24,780 --> 00:06:21,850

had really interesting conversations

169

00:06:26,220 --> 00:06:24,790

about what a sloppy joe is and it's like

170

00:06:27,870 --> 00:06:26,230

totally to you know and it's a food in

171

00:06:29,220 --> 00:06:27,880

America but it's a sweatshirt in

172

00:06:31,170 --> 00:06:29,230

Australia and they were

173

00:06:33,480 --> 00:06:31,180

Jenna said well she said well it's ass

174

00:06:36,270 --> 00:06:33,490

why you call it a sweatshirt as well and

175

00:06:38,040 --> 00:06:36,280

so off we went into a into a little you

176

00:06:39,420 --> 00:06:38,050

know twisty maze of passages all of

177

00:06:41,640 --> 00:06:39,430

which looked alike so now was a lot of

178

00:06:44,490 --> 00:06:41,650

fun one of the things that but I will

179

00:06:46,500 --> 00:06:44,500

always remember about Phil's visit to

180

00:06:50,580 --> 00:06:46,510

Australia's we took him out to show him

181

00:06:52,740 --> 00:06:50,590

the night sky okay now a couple of

182

00:06:54,750 --> 00:06:52,750

questions fill before you tell people

183

00:06:57,450 --> 00:06:54,760

about the night sky in Australia how

184

00:06:58,950 --> 00:06:57,460

different what do we see from Australia

185

00:07:00,000 --> 00:06:58,960

that you don't see here I heard that in

186

00:07:01,650 --> 00:07:00,010

Australia in the southern hemisphere

187

00:07:03,540 --> 00:07:01,660

you're actually looking in towards the

188

00:07:07,230 --> 00:07:03,550

center of the galaxy am I wrong or right

189

00:07:08,910 --> 00:07:07,240

now it's that's correct it's a little

190

00:07:10,040 --> 00:07:08,920

bit more complicated in that but you can

191

00:07:13,200 --> 00:07:10,050

see that from the northern hemisphere

192

00:07:15,390 --> 00:07:13,210

our galaxy is a flat disk and we live

193

00:07:16,980 --> 00:07:15,400

off to one side so it's like living in

194

00:07:18,240 --> 00:07:16,990

the suburbs of a city where you can see

195

00:07:20,790 --> 00:07:18,250

downtown if you look in a certain

196

00:07:24,030 --> 00:07:20,800

direction and it just so happens that

197

00:07:25,440 --> 00:07:24,040

that is south of the Equator on the sky

198

00:07:26,850 --> 00:07:25,450

if you project the earth's equator onto

199

00:07:28,860 --> 00:07:26,860

the sky to divide that into a northern

200

00:07:31,230 --> 00:07:28,870

and southern hemisphere the galaxy's

201  
00:07:33,060 --> 00:07:31,240  
center is south of the equator but you

202  
00:07:34,890 --> 00:07:33,070  
can see it from most of the northern

203  
00:07:36,990 --> 00:07:34,900  
hemisphere so where I live in Boulder

204  
00:07:38,400 --> 00:07:37,000  
Colorado that's in the direction of

205  
00:07:40,350 --> 00:07:38,410  
Sagittarius the constellation

206  
00:07:42,060 --> 00:07:40,360  
Sagittarius so I can see that but it's

207  
00:07:43,410 --> 00:07:42,070  
low on the horizon when you're on the

208  
00:07:44,880 --> 00:07:43,420  
southern hemisphere or if you're for

209  
00:07:46,710 --> 00:07:44,890  
example cruising to the Galapagos

210  
00:07:47,700 --> 00:07:46,720  
Islands as we did a couple of weeks ago

211  
00:07:50,760 --> 00:07:47,710  
with the James Randi Educational

212  
00:07:53,130 --> 00:07:50,770  
Foundation the Sagittarius passes almost

213  
00:07:54,570 --> 00:07:53,140

overhead and if the moon hadn't have

214

00:07:57,330 --> 00:07:54,580

been almost full while we were there

215

00:08:00,930 --> 00:07:57,340

that was probably the biggest

216

00:08:03,990 --> 00:08:00,940

disappointment of that entire trip of

217

00:08:05,310 --> 00:08:04,000

which there were very few was that the

218

00:08:07,770 --> 00:08:05,320

moon was so bright we couldn't see the

219

00:08:10,260 --> 00:08:07,780

Milky Way sprawled out from from Horizon

220

00:08:11,850 --> 00:08:10,270

to Horizon like that yeah which you can

221

00:08:14,490 --> 00:08:11,860

do in Australia when you look up in the

222

00:08:17,250 --> 00:08:14,500

night sky yeah it's a terrific backbone

223

00:08:19,710 --> 00:08:17,260

of the night yeah I remember yeah cross

224

00:08:23,070 --> 00:08:19,720

it's stunning on a moonless night I do I

225

00:08:27,120 --> 00:08:23,080

swear and I was with Phil when he saw

226

00:08:28,860 --> 00:08:27,130

the little dwarf galaxies right part of

227

00:08:31,290 --> 00:08:28,870

our galaxy orbit our galaxy how does it

228

00:08:33,420 --> 00:08:31,300

work well that was stunning when I got

229

00:08:35,940 --> 00:08:33,430

there Australia had been in a very

230

00:08:39,870 --> 00:08:35,950

severe drought and it hadn't rained in I

231

00:08:42,439 --> 00:08:39,880

think two years and in some pots yeah in

232

00:08:44,970 --> 00:08:42,449

some parts and so

233

00:08:46,410 --> 00:08:44,980

it got cloudy when I got there and

234

00:08:49,889 --> 00:08:46,420

started raining and so everybody was

235

00:08:51,239 --> 00:08:49,899

thrilled except me I was hemisphere for

236

00:08:54,119 --> 00:08:51,249

the first time and it was freaking

237

00:08:55,470 --> 00:08:54,129

raining but it finally cleared up and it

238

00:08:58,259 --> 00:08:55,480

just so happened it was when we were

239

00:09:01,109 --> 00:08:58,269

driving to Canberra and so we went up

240

00:09:03,720 --> 00:09:01,119

Mount Stromlo i think it was or if that

241

00:09:05,460 --> 00:09:03,730

is the name of the mountain and we just

242

00:09:07,169 --> 00:09:05,470

were just stopping by to take a look at

243

00:09:09,660 --> 00:09:07,179

the stars and literally walked out of

244

00:09:11,129 --> 00:09:09,670

the car close the door looked up and I

245

00:09:14,129 --> 00:09:11,139

could see the large and the small

246

00:09:17,009 --> 00:09:14,139

Magellanic Clouds and these are tiny

247

00:09:18,900 --> 00:09:17,019

irregular galaxies that have a few few

248

00:09:20,759 --> 00:09:18,910

hundred million stars in them that orbit

249

00:09:22,829 --> 00:09:20,769

the Milky Way like the way the moon

250

00:09:24,090 --> 00:09:22,839

orbits the earth and so from the from

251  
00:09:26,009 --> 00:09:24,100  
the northern hemisphere you can see the

252  
00:09:28,049 --> 00:09:26,019  
Andromeda galaxy which is two and a half

253  
00:09:30,569 --> 00:09:28,059  
or a little bit more million light-years

254  
00:09:31,799 --> 00:09:30,579  
away it's a major galaxy but it's so far

255  
00:09:35,489 --> 00:09:31,809  
away it just looks like a faint smudge

256  
00:09:37,769 --> 00:09:35,499  
in the sky these guys were like BAM like

257  
00:09:41,790 --> 00:09:37,779  
hang in there in the sky and it was

258  
00:09:43,859 --> 00:09:41,800  
stunning I had studied a supernova 1987a

259  
00:09:45,840 --> 00:09:43,869  
which was a star that exploded in the

260  
00:09:47,850 --> 00:09:45,850  
Large Magellanic Cloud I'd studied this

261  
00:09:50,819 --> 00:09:47,860  
with Hubble had you know in all this but

262  
00:09:52,590 --> 00:09:50,829  
I had never actually seen the lmc the

263  
00:09:55,079 --> 00:09:52,600

Large Magellanic Cloud so when I stepped

264

00:09:56,939 --> 00:09:55,089

out of the car and saw that it was as if

265

00:09:59,910 --> 00:09:56,949

I had been nailed to the ground and I

266

00:10:02,970 --> 00:09:59,920

literally choked up I was on the verge

267

00:10:04,650 --> 00:10:02,980

of tears it was probably the most

268

00:10:07,350 --> 00:10:04,660

amazing thing I have ever seen in the

269

00:10:09,059 --> 00:10:07,360

night sky it was life-changing very cool

270

00:10:11,069 --> 00:10:09,069

but it's interesting to note that most

271

00:10:12,780 --> 00:10:11,079

australians i would i would say wouldn't

272

00:10:14,069 --> 00:10:12,790

know what they're looking at when they

273

00:10:15,360 --> 00:10:14,079

look up and see those things they're

274

00:10:16,499 --> 00:10:15,370

really yeah you know it's like New

275

00:10:17,730 --> 00:10:16,509

Yorkers who have never been up the

276

00:10:21,150 --> 00:10:17,740

Statue of Liberty it's you know it's

277

00:10:23,519 --> 00:10:21,160

your what you're used to and to see that

278

00:10:26,009 --> 00:10:23,529

and on the cruise a couple of weeks ago

279

00:10:27,360 --> 00:10:26,019

to see Alpha Centauri and the Southern

280

00:10:29,189 --> 00:10:27,370

Cross which could have been better

281

00:10:30,869 --> 00:10:29,199

because again the moon was up but you

282

00:10:32,069 --> 00:10:30,879

know when you have people who are all

283

00:10:33,210 --> 00:10:32,079

from the Northern Hemisphere and I was

284

00:10:35,069 --> 00:10:33,220

pointing out you know that bright star

285

00:10:36,960 --> 00:10:35,079

there that's Alpha Centauri and

286

00:10:38,730 --> 00:10:36,970

everybody was just like you could hear

287

00:10:42,569 --> 00:10:38,740

that the intake of breath it was very

288

00:10:44,100 --> 00:10:42,579

cool no Phil is also and I know this

289

00:10:49,590 --> 00:10:44,110

will come as a surprise to some people

290

00:10:56,770 --> 00:10:54,400

yay yes i sat on my butt and stared my

291

00:10:58,950 --> 00:10:56,780

computer for a year oh good you have

292

00:11:02,410 --> 00:10:58,960

another he's lazy Oh opportunity of that

293

00:11:04,540 --> 00:11:02,420

now Phil for our Australian listeners

294

00:11:09,750 --> 00:11:04,550

what can you tell them about your new

295

00:11:13,750 --> 00:11:11,950

the new book is called death from the

296

00:11:16,050 --> 00:11:13,760

skies it comes out in October available

297

00:11:18,940 --> 00:11:16,060

for pre-order on amazon even today and

298

00:11:20,530 --> 00:11:18,950

it's all the different ways life on

299

00:11:22,450 --> 00:11:20,540

earth can be wiped out by cosmic

300

00:11:23,920 --> 00:11:22,460

catastrophes and I love this because

301  
00:11:25,930 --> 00:11:23,930  
whenever I mention it somebody says oh

302  
00:11:28,030 --> 00:11:25,940  
do you talk about asteroids is like yeah

303  
00:11:29,650 --> 00:11:28,040  
that's that's chapter 1 we get things we

304  
00:11:31,870 --> 00:11:29,660  
get the easy stuff out of the way right

305  
00:11:33,580 --> 00:11:31,880  
away it's a way to get to chapter 5 and

306  
00:11:36,520 --> 00:11:33,590  
see if you can sleep through the night

307  
00:11:38,890 --> 00:11:36,530  
um it's it's it's a it's scientifically

308  
00:11:41,260 --> 00:11:38,900  
based you know I don't exaggerate any of

309  
00:11:43,540 --> 00:11:41,270  
the any of the disasters if it's because

310  
00:11:44,830 --> 00:11:43,550  
for a lot of them there's no need to you

311  
00:11:47,530 --> 00:11:44,840  
know something's gonna vaporize the

312  
00:11:49,060 --> 00:11:47,540  
earth we're done you know so why make

313  
00:11:51,490 --> 00:11:49,070

that sound any worse than it's going to

314

00:11:53,560 --> 00:11:51,500

be but what I do talk about is the

315

00:11:55,840 --> 00:11:53,570

science behind the why black holes for

316

00:11:57,760 --> 00:11:55,850

mean what is a black hole and how does

317

00:12:00,460 --> 00:11:57,770

it form why is it that these things are

318

00:12:02,170 --> 00:12:00,470

dangerous although in reality the odds

319

00:12:04,150 --> 00:12:02,180

of these things happening or are being

320

00:12:07,150 --> 00:12:04,160

being a dangerous are really low so

321

00:12:08,500 --> 00:12:07,160

while an asteroid impact will occur if

322

00:12:11,170 --> 00:12:08,510

we don't do anything about it in the

323

00:12:12,580 --> 00:12:11,180

next hundred or thousand years a lot of

324

00:12:14,200 --> 00:12:12,590

these things like a black hole passing

325

00:12:16,210 --> 00:12:14,210

through the solar system they're fun to

326

00:12:17,260 --> 00:12:16,220

think about in sort of a scary movie

327

00:12:19,150 --> 00:12:17,270

kind of way but the odds of them

328

00:12:21,010 --> 00:12:19,160

happening are so infinitesimal it's not

329

00:12:22,810 --> 00:12:21,020

worth worrying about so I like to talk

330

00:12:25,540 --> 00:12:22,820

about that you know I don't I want to I

331

00:12:26,530 --> 00:12:25,550

want to make you go ye you know when

332

00:12:28,810 --> 00:12:26,540

you're reading it but I don't want you

333

00:12:31,090 --> 00:12:28,820

to go behind right around and panic in

334

00:12:32,800 --> 00:12:31,100

circles right to the dinosaurs and yeah

335

00:12:34,690 --> 00:12:32,810

exactly that's one of the lines I like

336

00:12:36,670 --> 00:12:34,700

you know I would question rather similar

337

00:12:38,770 --> 00:12:36,680

to the one I asked dr. Jim ginger camel

338

00:12:40,420 --> 00:12:38,780

earlier in regards to how much does pop

339

00:12:42,010 --> 00:12:40,430

culture contribute to this sort of fear

340

00:12:44,080 --> 00:12:42,020

I mean here we are at dragoncon we've

341

00:12:45,940 --> 00:12:44,090

got half a dozen science fiction tracks

342

00:12:49,060 --> 00:12:45,950

around a place I'm trying to embrace my

343

00:12:50,560 --> 00:12:49,070

inner costume botanist here I mean we

344

00:12:51,940 --> 00:12:50,570

should have more costumes quite frankly

345

00:12:54,780 --> 00:12:51,950

and I think we should start with you and

346

00:12:57,430 --> 00:12:54,790

those feather boas yeah you carry good

347

00:12:58,590 --> 00:12:57,440

photo opportunity ladies and gentlemen

348

00:13:00,840 --> 00:12:58,600

yeah this is

349

00:13:02,340 --> 00:13:00,850

yose is very dignified thank you you're

350

00:13:03,809 --> 00:13:02,350

welcome hey it could be where she could

351  
00:13:05,280 --> 00:13:03,819  
be wearing about you suspended on his

352  
00:13:07,829 --> 00:13:05,290  
he's leaving it on good i'm wearing a

353  
00:13:10,680 --> 00:13:07,839  
pink feather boa nelson president of the

354  
00:13:12,269 --> 00:13:10,690  
j RF just saying oh ya hain't not great

355  
00:13:13,829 --> 00:13:12,279  
now there are far worse pictures of me

356  
00:13:17,069 --> 00:13:13,839  
at this convention I think that should

357  
00:13:19,860 --> 00:13:17,079  
be ideally is left on the welcome mat I

358  
00:13:21,509 --> 00:13:19,870  
think when I got a plan how much does

359  
00:13:23,009 --> 00:13:21,519  
pop culture contribute to this fear I

360  
00:13:25,829 --> 00:13:23,019  
mean there are so many films out there

361  
00:13:27,780 --> 00:13:25,839  
which let's let's face it really need

362  
00:13:30,360 --> 00:13:27,790  
people with qualifications standing in

363  
00:13:32,040 --> 00:13:30,370

on the facts and wrote adding to what

364

00:13:33,960 --> 00:13:32,050

what is being put out there especially

365

00:13:35,879 --> 00:13:33,970

young people i have young women telling

366

00:13:37,980 --> 00:13:35,889

me oh i'll give you have a serious fan

367

00:13:41,550 --> 00:13:37,990

of the black one the black ones a little

368

00:13:43,050 --> 00:13:41,560

bit young women because the Square

369

00:13:44,670 --> 00:13:43,060

Kilometre Array we're hoping to get it

370

00:13:47,819 --> 00:13:44,680

out out near where I am in Western

371

00:13:49,650 --> 00:13:47,829

Australia young women in fact as I was

372

00:13:51,629 --> 00:13:49,660

doing research saying I'm interested in

373

00:13:54,059 --> 00:13:51,639

the sky right you scar coming out and

374

00:13:55,410 --> 00:13:54,069

I'm intrigued by science fiction and

375

00:13:57,240 --> 00:13:55,420

I've seen how it's being betrayed and I

376

00:13:59,460 --> 00:13:57,250

want to get into the industry so how

377

00:14:01,230 --> 00:13:59,470

much of a contribution does poplar does

378

00:14:04,499 --> 00:14:01,240

we have a half an hour left right that I

379

00:14:06,150 --> 00:14:04,509

can go into this yeah yeah pop culture

380

00:14:07,530 --> 00:14:06,160

does contribute a lot to this to the

381

00:14:10,199 --> 00:14:07,540

sphere because people are very concerned

382

00:14:11,460 --> 00:14:10,209

about asteroid impacts or or other

383

00:14:14,910 --> 00:14:11,470

things like that but it's it's an

384

00:14:17,220 --> 00:14:14,920

unrealistic yeah a presentation it deep

385

00:14:20,819 --> 00:14:17,230

impact the movie that came out 1998 was

386

00:14:24,329 --> 00:14:20,829

relatively accurate Armageddon of course

387

00:14:26,249 --> 00:14:24,339

was not somebody somebody wants

388

00:14:28,350 --> 00:14:26,259

commented that Armageddon had sub comic

389

00:14:30,569 --> 00:14:28,360

levels a sub comic book level science

390

00:14:33,059 --> 00:14:30,579

and I thought wow yeah you know

391

00:14:34,829 --> 00:14:33,069

that's that's Wow and that's about right

392

00:14:36,960 --> 00:14:34,839

and it's funny because you know

393

00:14:38,069 --> 00:14:36,970

Armageddon they talk about an enormous

394

00:14:40,259 --> 00:14:38,079

asteroid that's going to hit the earth

395

00:14:41,850 --> 00:14:40,269

and wipe out all life but they actually

396

00:14:43,559 --> 00:14:41,860

when they talk about some of the other

397

00:14:45,300 --> 00:14:43,569

aspects of the movie they underestimate

398

00:14:46,350 --> 00:14:45,310

the danger of it they talked about the

399

00:14:49,379 --> 00:14:46,360

asteroid that wiped out the dinosaurs

400

00:14:50,819 --> 00:14:49,389

having a the impact of 10,000 atomic

401  
00:14:52,319 --> 00:14:50,829  
bombs or something like that it's like

402  
00:14:54,449 --> 00:14:52,329  
yeah it wasn't so much ten thousand as

403  
00:14:56,370 --> 00:14:54,459  
it was 10 billion or something like that

404  
00:14:58,290 --> 00:14:56,380  
I mean they just really really grossly

405  
00:14:59,910 --> 00:14:58,300  
underestimated it so it's funny how they

406  
00:15:01,259 --> 00:14:59,920  
try to exaggerate things and screw it up

407  
00:15:02,910 --> 00:15:01,269  
and when things really aren't a danger

408  
00:15:05,189 --> 00:15:02,920  
they make it seem like it is because you

409  
00:15:06,780 --> 00:15:05,199  
know it's a movie or a TV show I'm

410  
00:15:08,400 --> 00:15:06,790  
hoping that my book will help straighten

411  
00:15:10,260 --> 00:15:08,410  
some of that out I've been giving it to

412  
00:15:12,750 --> 00:15:10,270  
TV producers all the time

413  
00:15:14,460 --> 00:15:12,760

maicon you know these days as well you

414

00:15:17,190 --> 00:15:14,470

treat this pseudo scientific theories

415

00:15:19,080 --> 00:15:17,200

you tell them i talk about alien

416

00:15:20,970 --> 00:15:19,090

invasions in the book and because i

417

00:15:24,330 --> 00:15:20,980

thought that would be fun to write about

418

00:15:25,770 --> 00:15:24,340

it turned out to be fun but also a

419

00:15:27,840 --> 00:15:25,780

little creepy because it seems more

420

00:15:31,290 --> 00:15:27,850

likely you talk about viruses or

421

00:15:33,570 --> 00:15:31,300

bacteria falling from space and and its

422

00:15:35,610 --> 00:15:33,580

really really unlikely for this a to

423

00:15:38,250 --> 00:15:35,620

happen or be to be able to really do

424

00:15:39,990 --> 00:15:38,260

anything to us but just reading you know

425

00:15:42,780 --> 00:15:40,000

I actually realized I don't really

426

00:15:45,720 --> 00:15:42,790

understand why bacteria can make a sick

427

00:15:48,210 --> 00:15:45,730

so I got to read about that yeah that

428

00:15:52,560 --> 00:15:48,220

was a key and and what virus is doing

429

00:15:55,890 --> 00:15:52,570

prions oh god Oh Brian's terrify me to

430

00:15:57,600 --> 00:15:55,900

scare the crap out of me yeah I'm never

431

00:16:01,440 --> 00:15:57,610

gonna eat you know beef American beef

432

00:16:03,260 --> 00:16:01,450

again but then I talk about aliens and

433

00:16:05,430 --> 00:16:03,270

why you know why don't we see aliens and

434

00:16:07,320 --> 00:16:05,440

nobody really no no we do come to

435

00:16:09,870 --> 00:16:07,330

Australia yeah well that's I guess

436

00:16:12,510 --> 00:16:09,880

that's true we must wrap this up on how

437

00:16:14,160 --> 00:16:12,520

you feel but on a final note in your

438

00:16:19,100 --> 00:16:14,170

research and according to your book are

439

00:16:22,980 --> 00:16:19,110

we any safer in Australia good question

440

00:16:24,810 --> 00:16:22,990

no you know because because of these

441

00:16:27,120 --> 00:16:24,820

these events are global in nature so it

442

00:16:29,640 --> 00:16:27,130

doesn't matter where you live and in

443

00:16:32,700 --> 00:16:29,650

fact in Australia everything can kill

444

00:16:35,430 --> 00:16:32,710

you you know the grass there is venomous

445

00:16:37,770 --> 00:16:35,440

the air you know it's like oh look at

446

00:16:40,230 --> 00:16:37,780

this pretty constant in your dead you

447

00:16:43,080 --> 00:16:40,240

know so I think the Sharks actually have

448

00:16:45,030 --> 00:16:43,090

wings in awe struck a deal yes yeah well

449

00:16:49,519 --> 00:16:45,040

on that note I'd like to thank dr. Phil

450

00:16:56,379 --> 00:16:51,559

thank you and I'd like to thank zone

451  
00:17:07,439 --> 00:16:56,389  
reporters dr. Kerr installs new and

452  
00:17:13,150 --> 00:17:10,660  
that was dr. Phil the bad astronomer

453  
00:17:15,370 --> 00:17:13,160  
plate talking to the skeptic zone at

454  
00:17:17,470 --> 00:17:15,380  
Dragon Con this year if you would like

455  
00:17:20,290 --> 00:17:17,480  
to win a copy of his brand-new book

456  
00:17:24,030 --> 00:17:20,300  
death from the skies simply head to the

457  
00:17:27,910 --> 00:17:24,040  
skeptic zone blog our blog is at ww

458  
00:17:30,160 --> 00:17:27,920  
skeptic zone wordpress com and there you

459  
00:17:32,560 --> 00:17:30,170  
can enter in our slogan and logo

460  
00:17:35,890 --> 00:17:32,570  
competition so when the death from the

461  
00:17:42,370 --> 00:17:35,900  
skies prize at skeptic zone wordpress

462  
00:17:45,910 --> 00:17:42,380  
com the australian skeptics National

463  
00:17:48,610 --> 00:17:45,920

Convention for 2018 was held in Adelaide

464

00:17:51,160 --> 00:17:48,620

South Australia two days of talks

465

00:17:54,430 --> 00:17:51,170

dinners good times and lots of

466

00:17:57,190 --> 00:17:54,440

skepticism zone reporters dr. Rachel

467

00:17:59,290 --> 00:17:57,200

Dunlop amanda rose and Kylie Sturgis

468

00:18:04,660 --> 00:17:59,300

were in attendance and we managed to

469

00:18:06,070 --> 00:18:04,670

grab some interviews along the way and

470

00:18:08,680 --> 00:18:06,080

we're here right now at the Adelaide

471

00:18:11,110 --> 00:18:08,690

convention I'm standing next to the uber

472

00:18:12,480 --> 00:18:11,120

master skeptic Barry Williams Barry how

473

00:18:15,190 --> 00:18:12,490

are you this wonderful morning Oh

474

00:18:16,210 --> 00:18:15,200

fantastic thank you so what are some of

475

00:18:18,190 --> 00:18:16,220

the features that you're looking forward

476  
00:18:20,080 --> 00:18:18,200  
to at this conference living long enough

477  
00:18:22,120 --> 00:18:20,090  
to see the end of it that's the most

478  
00:18:24,520 --> 00:18:22,130  
important thing I know we got Loretta

479  
00:18:26,500 --> 00:18:24,530  
Marin coming Loretta's here and looking

480  
00:18:29,620 --> 00:18:26,510  
forward to her talk and Richard of

481  
00:18:31,060 --> 00:18:29,630  
course and yourself in fact a bunch of

482  
00:18:32,440 --> 00:18:31,070  
our friends are going to be talking here

483  
00:18:35,770 --> 00:18:32,450  
which I'm looking forward to a lot and

484  
00:18:39,010 --> 00:18:35,780  
and maybe seeing some new people that I

485  
00:18:40,330 --> 00:18:39,020  
haven't seen before this however despite

486  
00:18:42,040 --> 00:18:40,340  
the fact that you're going to be leaving

487  
00:18:44,500 --> 00:18:42,050  
the Australian skeptics in a formal

488  
00:18:47,110 --> 00:18:44,510

capacity will you continue to attend

489

00:18:49,150 --> 00:18:47,120

conferences or even oh yeah you too I'm

490

00:18:51,670 --> 00:18:49,160

the only person who's attended all 24

491

00:18:53,890 --> 00:18:51,680

this would be the 24th I've attended

492

00:18:55,300 --> 00:18:53,900

and I mean I've got a guy the next

493

00:18:56,920 --> 00:18:55,310

year's because i don't like 25 which is

494

00:18:59,410 --> 00:18:56,930

a nice and then i can go I in the face

495

00:19:03,430 --> 00:18:59,420

oh well certainly hoping for a really

496

00:19:05,920 --> 00:19:03,440

long life action over the 50 of you yes

497

00:19:09,070 --> 00:19:05,930

that lubrizol for the name of skepticism

498

00:19:10,660 --> 00:19:09,080

let me breathe thank you thank you well

499

00:19:12,880 --> 00:19:10,670

people are sort of turning out um is

500

00:19:15,220 --> 00:19:12,890

also too long queue going out the door

501  
00:19:17,320 --> 00:19:15,230  
here Carly its conventions letting moxie

502  
00:19:19,030 --> 00:19:17,330  
and there's some strange people in now

503  
00:19:20,920 --> 00:19:19,040  
in the queue here where I should seem so

504  
00:19:23,140 --> 00:19:20,930  
strange it was fine they're very

505  
00:19:25,450 --> 00:19:23,150  
skeptical and very wondering and want to

506  
00:19:27,730 --> 00:19:25,460  
know more about it yeah and here's let's

507  
00:19:30,970 --> 00:19:27,740  
talk to a person at random in the queue

508  
00:19:32,680 --> 00:19:30,980  
hello lady that's your name my name is

509  
00:19:36,340 --> 00:19:32,690  
Jessica hello Jessica what brings you

510  
00:19:37,900 --> 00:19:36,350  
here I'm a skeptic just gift economic

511  
00:19:40,270 --> 00:19:37,910  
looking forward to what looks like a

512  
00:19:42,520 --> 00:19:40,280  
great programmer great day and great

513  
00:19:43,990 --> 00:19:42,530

dinner tonight him a good day time no

514

00:19:46,990 --> 00:19:44,000

did you bring your husband about into I

515

00:19:50,170 --> 00:19:47,000

did he is right behind me I couldn't

516

00:19:51,880 --> 00:19:50,180

help them notice his legs just ready to

517

00:19:54,190 --> 00:19:51,890

give anyone a bit of a stomping here

518

00:19:56,110 --> 00:19:54,200

deserves a great thanks to know your

519

00:19:57,760 --> 00:19:56,120

fantasies are full of years no there

520

00:20:00,910 --> 00:19:57,770

there the genuine document may told us

521

00:20:05,770 --> 00:20:00,920

oh don't go to these amazing one though

522

00:20:08,230 --> 00:20:05,780

Shana not original the proper yellow

523

00:20:10,420 --> 00:20:08,240

stripe purchased in nineteen ninety 90

524

00:20:12,070 --> 00:20:10,430

and they still last it's the one about

525

00:20:16,120 --> 00:20:12,080

15 years I've been with their for

526  
00:20:17,680 --> 00:20:16,130  
stopping on the air cannons maturing so

527  
00:20:20,410 --> 00:20:17,690  
do you see an analogy between the

528  
00:20:25,510 --> 00:20:20,420  
awesome power of the of the doc martin

529  
00:20:27,790 --> 00:20:25,520  
and skepticism yeah you know it a

530  
00:20:30,160 --> 00:20:27,800  
long-lasting you know power must be

531  
00:20:33,280 --> 00:20:30,170  
carefully directed only three yes yes

532  
00:20:36,020 --> 00:20:33,290  
good pitch I must be maintained gotta

533  
00:20:38,640 --> 00:20:36,030  
stop it we have to see

534  
00:20:41,910 --> 00:20:38,650  
now here are some interviews conducted

535  
00:20:46,730 --> 00:20:41,920  
by Kylie Sturgis starting with Loretta

536  
00:20:51,420 --> 00:20:49,800  
how are you fantastic a particularly

537  
00:20:54,240 --> 00:20:51,430  
fantastic because you're presenting

538  
00:20:56,400 --> 00:20:54,250

again and power things progresses the

539

00:20:57,810 --> 00:20:56,410

last conference well very slowly but

540

00:21:00,540 --> 00:20:57,820

they are progressing you they tell me

541

00:21:02,730 --> 00:21:00,550

it's like water on a rock oh and it's

542

00:21:04,350 --> 00:21:02,740

going to take that long but with the New

543

00:21:06,870 --> 00:21:04,360

Labour government coming in there's been

544

00:21:08,580 --> 00:21:06,880

some very positive signs yes I'm

545

00:21:10,890 --> 00:21:08,590

optimistic that something may happen

546

00:21:12,240 --> 00:21:10,900

eventually okay so what are some of the

547

00:21:13,500 --> 00:21:12,250

goals that we're hoping might come

548

00:21:14,640 --> 00:21:13,510

through with the new change in

549

00:21:16,050 --> 00:21:14,650

government to your Australia all right

550

00:21:17,850 --> 00:21:16,060

well the first thing that's happened is

551  
00:21:20,790 --> 00:21:17,860  
because of the medical journal article

552  
00:21:22,680 --> 00:21:20,800  
that we put out in January yes I work on

553  
00:21:24,180 --> 00:21:22,690  
that illness skeptics on website so

554  
00:21:26,190 --> 00:21:24,190  
everyone can check it out no well that

555  
00:21:28,380 --> 00:21:26,200  
was showing the lack of regulation he

556  
00:21:30,780 --> 00:21:28,390  
has much you met Cynthia federal

557  
00:21:32,940 --> 00:21:30,790  
government's organized a group of people

558  
00:21:35,550 --> 00:21:32,950  
from including professor chris del mar

559  
00:21:37,920 --> 00:21:35,560  
from bond university and the drugs

560  
00:21:39,780 --> 00:21:37,930  
interaction group from the matter and a

561  
00:21:40,950 --> 00:21:39,790  
whole bunch of our wonderful people who

562  
00:21:42,660 --> 00:21:40,960  
are interested in complementary

563  
00:21:45,450 --> 00:21:42,670

medicines to come up with a

564

00:21:48,120 --> 00:21:45,460

recommendation on a resource that is

565

00:21:49,860 --> 00:21:48,130

accessible to healthcare practitioners

566

00:21:52,050 --> 00:21:49,870

and to consumers now we're right in the

567

00:21:54,060 --> 00:21:52,060

middle of that we've narrowed it down to

568

00:21:55,560 --> 00:21:54,070

six I don't know what they are because

569

00:21:57,420 --> 00:21:55,570

it's you know double-blind at so to

570

00:21:58,680 --> 00:21:57,430

speaking yeah and so hopefully that will

571

00:22:00,840 --> 00:21:58,690

come out in the next couple of months

572

00:22:02,690 --> 00:22:00,850

you've always been a groundbreaker in

573

00:22:05,580 --> 00:22:02,700

terms of getting information out your

574

00:22:07,530 --> 00:22:05,590

website for example that was one of the

575

00:22:09,960 --> 00:22:07,540

first resources that I found in terms of

576

00:22:12,300 --> 00:22:09,970

making links two challenges two

577

00:22:13,530 --> 00:22:12,310

complementary medicine online and now

578

00:22:15,750 --> 00:22:13,540

we've started to have a sort of like

579

00:22:17,550 --> 00:22:15,760

even more of a trickle effect for

580

00:22:19,350 --> 00:22:17,560

example simon sings book which has come

581

00:22:22,110 --> 00:22:19,360

out in regards to trick or treatment

582

00:22:24,510 --> 00:22:22,120

really absolutely brilliant book in fact

583

00:22:25,800 --> 00:22:24,520

I quite often quote the book even

584

00:22:27,630 --> 00:22:25,810

yesterday someone asked me about

585

00:22:30,030 --> 00:22:27,640

acupuncture nie said oh you better read

586

00:22:31,770 --> 00:22:30,040

his book the Germans have done 10 mega

587

00:22:34,470 --> 00:22:31,780

trials and the results are just coming

588

00:22:36,540 --> 00:22:34,480

out now and it's shown to be placebo but

589

00:22:39,810 --> 00:22:36,550

another thing that might happen back in

590

00:22:42,540 --> 00:22:39,820

November last year new guidelines were

591

00:22:44,790 --> 00:22:42,550

given to the TGA on weight loss products

592

00:22:46,560 --> 00:22:44,800

yes now they're sitting there

593

00:22:48,450 --> 00:22:46,570

written and they've written to me to say

594

00:22:50,880 --> 00:22:48,460

we've got all these new guidelines and

595

00:22:53,280 --> 00:22:50,890

11 months later they're still collecting

596

00:22:55,770 --> 00:22:53,290

dust but I'm hoping in the next few

597

00:22:58,080 --> 00:22:55,780

months maybe they'll come out but that's

598

00:23:00,030 --> 00:22:58,090

really quite sad because seven million

599

00:23:02,340 --> 00:23:00,040

overweight obese Australians four

600

00:23:05,760 --> 00:23:02,350

million diabetics and the government is

601  
00:23:07,680 --> 00:23:05,770  
raking in millions in GST on these

602  
00:23:10,800 --> 00:23:07,690  
products the guidelines were written by

603  
00:23:12,990 --> 00:23:10,810  
an Orthodox doctor and they're good

604  
00:23:15,060 --> 00:23:13,000  
which is probably why they don't want to

605  
00:23:17,400 --> 00:23:15,070  
put them out as the post to the

606  
00:23:19,380 --> 00:23:17,410  
homeopathic guidelines set of just the

607  
00:23:21,420 --> 00:23:19,390  
draft has been released which were

608  
00:23:23,460 --> 00:23:21,430  
written in consultation with

609  
00:23:25,260 --> 00:23:23,470  
stakeholders in other words the

610  
00:23:29,280 --> 00:23:25,270  
homeopaths helped them write the

611  
00:23:32,940 --> 00:23:29,290  
guidelines the guidelines they said back

612  
00:23:35,400 --> 00:23:32,950  
in 2003 and expert committee said to the

613  
00:23:39,390 --> 00:23:35,410

TGA you are responsible for safety

614

00:23:41,400 --> 00:23:39,400

quality and efficacy in this 85 page

615

00:23:46,320 --> 00:23:41,410

document they've forgotten about the

616

00:23:48,300 --> 00:23:46,330

efficacy so it's 85 pages are not one

617

00:23:50,400 --> 00:23:48,310

mention of the fact that the stuff

618

00:23:54,060 --> 00:23:50,410

doesn't work they've pretty much diluted

619

00:23:55,770 --> 00:23:54,070

it out haven't they yes God so that's

620

00:23:57,270 --> 00:23:55,780

kind of quite sad but you know the

621

00:23:59,580 --> 00:23:57,280

skeptics are right on to that one as

622

00:24:00,960 --> 00:23:59,590

well yeah do you have any suggestions

623

00:24:02,880 --> 00:24:00,970

for skeptics out there I mean you've

624

00:24:04,680 --> 00:24:02,890

just been like a one-woman force of

625

00:24:07,710 --> 00:24:04,690

nature in so many ways and really

626  
00:24:09,360 --> 00:24:07,720  
inspirational what is what can people to

627  
00:24:11,640 --> 00:24:09,370  
do do to make that first step do you

628  
00:24:14,190 --> 00:24:11,650  
think complain complain complain about

629  
00:24:15,990 --> 00:24:14,200  
the advertising when I started on this

630  
00:24:18,780 --> 00:24:16,000  
the complaint resolution panel who are

631  
00:24:20,820 --> 00:24:18,790  
quite good not perfect but reasonably

632  
00:24:25,140 --> 00:24:20,830  
good we're getting ten complaints a

633  
00:24:26,760 --> 00:24:25,150  
month now it's rocketed ahead and that's

634  
00:24:29,100 --> 00:24:26,770  
a terrific thing to do because if you

635  
00:24:30,750 --> 00:24:29,110  
get rid of the advertising it's a step

636  
00:24:32,220 --> 00:24:30,760  
in the right direction the other thing

637  
00:24:34,650 --> 00:24:32,230  
you can complain to is your local

638  
00:24:36,600 --> 00:24:34,660

pharmacy because I can get rid of a

639

00:24:38,460 --> 00:24:36,610

hundred adverts but you're welcome to

640

00:24:40,830 --> 00:24:38,470

the pharmacy and he's selling all the

641

00:24:42,810 --> 00:24:40,840

rubbish there yeah yeah that's quite sad

642

00:24:44,580 --> 00:24:42,820

it's really depressing how we can go

643

00:24:47,570 --> 00:24:44,590

into local pharmacy find everything from

644

00:24:50,850 --> 00:24:47,580

ear candles too little packets of

645

00:24:52,080 --> 00:24:50,860

complete and utter nonsense and yet yet

646

00:24:53,970 --> 00:24:52,090

people are willing to listen to the

647

00:24:55,549 --> 00:24:53,980

consumers I must admit if you put it

648

00:24:56,930 --> 00:24:55,559

forward reasonably and don't

649

00:24:58,730 --> 00:24:56,940

tell them oh my goodness you're a

650

00:25:00,200 --> 00:24:58,740

criminal for selling this stuff that

651

00:25:03,110 --> 00:25:00,210

just essentially burns your ears out

652

00:25:04,669 --> 00:25:03,120

being calm and rational don't seem to

653

00:25:05,480 --> 00:25:04,679

have a bit of an impact i must admit and

654

00:25:08,210 --> 00:25:05,490

it's one of the things that you've

655

00:25:10,909 --> 00:25:08,220

always put forward i must have met being

656

00:25:13,310 --> 00:25:10,919

the calm rational we care people well

657

00:25:15,350 --> 00:25:13,320

the other thing too is the doctors like

658

00:25:17,450 --> 00:25:15,360

professor john dwyer of a fellow

659

00:25:19,220 --> 00:25:17,460

australians get to give the year he said

660

00:25:21,529 --> 00:25:19,230

to me one day that he thought it was

661

00:25:24,110 --> 00:25:21,539

great that I was coming out on this

662

00:25:25,759 --> 00:25:24,120

issue because I was a consumer yeah and

663

00:25:29,330 --> 00:25:25,769

he said I'm powerless to do anything

664

00:25:30,649 --> 00:25:29,340

when people don't complain yeah you got

665

00:25:32,629 --> 00:25:30,659

to hear the voice the guiding you the

666

00:25:37,460 --> 00:25:32,639

consumer so get out there complain

667

00:25:39,350 --> 00:25:37,470

complain complain so we're back you

668

00:25:40,909 --> 00:25:39,360

again at the Adelaide conference and I

669

00:25:42,889 --> 00:25:40,919

seem to be having a sequence of stair

670

00:25:45,799 --> 00:25:42,899

interviews because I've now got Peter

671

00:25:48,049 --> 00:25:45,809

Elton the winner of the critical thinker

672

00:25:49,789 --> 00:25:48,059

of the Year award for 2008 it is

673

00:25:53,029 --> 00:25:49,799

wonderful to meet you finally offline

674

00:25:55,310 --> 00:25:53,039

Peter yes you took quite a few phone

675

00:25:57,470 --> 00:25:55,320

conversation your online emails etc that

676

00:25:59,389 --> 00:25:57,480

yes nice place to work and it is

677

00:26:01,879 --> 00:25:59,399

wonderful to know that practice is being

678

00:26:04,639 --> 00:26:01,889

recognized it has just become absolute

679

00:26:06,080 --> 00:26:04,649

powerhouse of resources and information

680

00:26:09,499 --> 00:26:06,090

for people teaching critical thinking

681

00:26:10,850 --> 00:26:09,509

that's great to hear um I know just what

682

00:26:13,310 --> 00:26:10,860

looking at the web statistics that it's

683

00:26:14,720 --> 00:26:13,320

going to quite a lot of countries I

684

00:26:17,109 --> 00:26:14,730

think we're up to 80 countries now and

685

00:26:21,799 --> 00:26:17,119

the big ones are America in the UK

686

00:26:23,389 --> 00:26:21,809

Canada and India surprisingly quite a

687

00:26:24,560 --> 00:26:23,399

lot there yes fantastic and what's

688

00:26:26,899 --> 00:26:24,570

particularly pleasing is seeing some of

689

00:26:29,180 --> 00:26:26,909

the guys who Africa too so that's yeah

690

00:26:31,690 --> 00:26:29,190

that's a nicer and also did it in many

691

00:26:34,489 --> 00:26:31,700

ways it echoes the philosophy behind

692

00:26:36,590 --> 00:26:34,499

philosophy for children the p4c group in

693

00:26:38,239 --> 00:26:36,600

terms of getting it out there making it

694

00:26:39,680 --> 00:26:38,249

worldwide and allowing everybody to have

695

00:26:41,600 --> 00:26:39,690

the opportunity to investigate the

696

00:26:43,369 --> 00:26:41,610

community of inquiry that's one of the

697

00:26:45,950 --> 00:26:43,379

sources behind a lot of your work isn't

698

00:26:47,810 --> 00:26:45,960

it I don't claim to be an expert in the

699

00:26:51,739 --> 00:26:47,820

philosophy for children area i live out

700

00:26:53,239 --> 00:26:51,749

my betters I can I can I can't put out

701

00:26:55,900 --> 00:26:53,249

what I know is working in classrooms

702

00:26:58,400 --> 00:26:55,910

right now is res resources and

703

00:27:01,870 --> 00:26:58,410

you know those those people working in a

704

00:27:04,460 --> 00:27:01,880

faucet for children area have probably a

705

00:27:06,170 --> 00:27:04,470

better insight to the psychology minded

706

00:27:07,760 --> 00:27:06,180

it says it's supposed to work but you

707

00:27:09,980 --> 00:27:07,770

know as I said one of the main purposes

708

00:27:12,200 --> 00:27:09,990

of the website is resourcing yeah and

709

00:27:13,730 --> 00:27:12,210

awareness-raising so that's that's

710

00:27:14,840 --> 00:27:13,740

really what we're trying to do so put it

711

00:27:16,040 --> 00:27:14,850

the stuff into teachers hand so that

712

00:27:17,630 --> 00:27:16,050

they can say well that sounds like a

713

00:27:19,730 --> 00:27:17,640

great idea but what physically can

714

00:27:21,590 --> 00:27:19,740

actually do to make it happen and you on

715

00:27:23,420 --> 00:27:21,600

your own blog you you made that point

716

00:27:25,130 --> 00:27:23,430

about it's so easy to talk about this

717

00:27:26,810 --> 00:27:25,140

stuff there are a lot of people saying

718

00:27:28,669 --> 00:27:26,820

this is a great idea but how do you

719

00:27:30,230 --> 00:27:28,679

actually do it every school talks about

720

00:27:31,850 --> 00:27:30,240

wanting to produce critical thinkers and

721

00:27:32,930 --> 00:27:31,860

independent learners and when you ask

722

00:27:34,490 --> 00:27:32,940

them well put your finger on the

723

00:27:36,650 --> 00:27:34,500

curriculum exactly where that happens

724

00:27:38,360 --> 00:27:36,660

you find that you know it dissolves in

725

00:27:39,650 --> 00:27:38,370

other warm fuzzies so you need to be

726

00:27:41,030 --> 00:27:39,660

able to say well this is what we're

727

00:27:42,470 --> 00:27:41,040

doing this is how we do it specifically

728

00:27:43,700 --> 00:27:42,480

and here are the resources and you know

729

00:27:46,250 --> 00:27:43,710

here's some assessment pieces which we

730

00:27:47,630 --> 00:27:46,260

have so therefore on whether it's

731

00:27:49,160 --> 00:27:47,640

something that Michael McCrea another

732

00:27:52,010 --> 00:27:49,170

presenter at the conference this year

733

00:27:53,630 --> 00:27:52,020

was tapping into saying to skeptics

734

00:27:55,370 --> 00:27:53,640

right let's have goals let's have

735

00:27:57,350 --> 00:27:55,380

achieved ball goals if you really want

736

00:27:59,299 --> 00:27:57,360

this to be getting out there let's start

737

00:28:00,890 --> 00:27:59,309

seeing how we can do that one of the

738

00:28:02,630 --> 00:28:00,900

ways that you're doing it includes

739

00:28:04,340 --> 00:28:02,640

videos as well I've noticed that you've

740

00:28:05,840 --> 00:28:04,350

got a sequence there it's an

741

00:28:10,970 --> 00:28:05,850

experimental technique at the moment yes

742

00:28:13,100 --> 00:28:10,980

it is but youtube is such a fantastic

743

00:28:14,240 --> 00:28:13,110

technology it seems ridiculous not to be

744

00:28:19,190 --> 00:28:14,250

able to get this out to as many people

745

00:28:20,630 --> 00:28:19,200

as possible and the simple points that I

746

00:28:22,490 --> 00:28:20,640

want to make Anna lessons as well you

747

00:28:24,710 --> 00:28:22,500

know really can be gotten over to us for

748

00:28:26,360 --> 00:28:24,720

a minute sometimes and and that their

749

00:28:28,430 --> 00:28:26,370

basic point is it's not rocket science

750

00:28:30,110 --> 00:28:28,440

it really isn't it simply and clear and

751

00:28:31,780 --> 00:28:30,120

yet you'll find that the the

752

00:28:34,160 --> 00:28:31,790

understanding about these points is is

753

00:28:36,049 --> 00:28:34,170

no better among teachers generally than

754

00:28:37,040 --> 00:28:36,059

it is among the general public and so

755

00:28:38,930 --> 00:28:37,050

you know I'm trying to direct this

756

00:28:40,160 --> 00:28:38,940

particularly towards teachers so look if

757

00:28:41,180 --> 00:28:40,170

you want to be discussing critical

758

00:28:42,620 --> 00:28:41,190

thinking in the classroom if you want to

759

00:28:43,640 --> 00:28:42,630

be talking about what a hypothesis is

760

00:28:45,049 --> 00:28:43,650

you my talk about the distinction

761

00:28:47,450 --> 00:28:45,059

between a scientific law and cyclic

762

00:28:51,440 --> 00:28:47,460

theory whatever it might be here's some

763

00:28:53,400 --> 00:28:51,450

sharp and concise points that you can

764

00:28:54,690 --> 00:28:53,410

use in the classroom

765

00:28:57,090 --> 00:28:54,700

together the course this is this is how

766

00:28:58,560 --> 00:28:57,100

to make a distinction this is this is

767

00:29:01,380 --> 00:28:58,570

just a very simple point that you need

768

00:29:04,380 --> 00:29:01,390

to make and nobody's making the point so

769

00:29:05,940 --> 00:29:04,390

yeah that's why gaining so Peter for

770

00:29:11,100 --> 00:29:05,950

people who want to know more where do

771

00:29:12,720 --> 00:29:11,110

they go I got a www PA SI TI SS or gets

772

00:29:15,000 --> 00:29:12,730

practice it stands for philosophers and

773

00:29:16,950 --> 00:29:15,010

critical thinkers in senior schools oh

774

00:29:18,750 --> 00:29:16,960

man I'm going to be continued to

775

00:29:20,640 --> 00:29:18,760

contribute and I hope other people join

776

00:29:22,140 --> 00:29:20,650

obviously executions thank you very much

777

00:29:23,550 --> 00:29:22,150

I'm like McRae's contributions just

778

00:29:26,040 --> 00:29:23,560

recently too so it's great to have that

779

00:29:27,060 --> 00:29:26,050

stuff up there yeah and and I love to

780

00:29:28,620 --> 00:29:27,070

have some of this stuff up there but

781

00:29:36,290 --> 00:29:28,630

both what's here again we will start

782

00:29:40,080 --> 00:29:38,010

obviously with that sound in the

783

00:29:42,090 --> 00:29:40,090

background music where we're clearly at

784

00:29:43,500 --> 00:29:42,100

the Australian National Conference over

785

00:29:45,330 --> 00:29:43,510

here in adelaide and i'm sitting here

786

00:29:47,400 --> 00:29:45,340

talking to Mike McGraw who's an old

787

00:29:48,780 --> 00:29:47,410

friend of mine I previously interviewed

788

00:29:50,820 --> 00:29:48,790

him for the tape Oddcast and Here I am

789

00:29:52,740 --> 00:29:50,830

talking to him for the for the good old

790

00:29:54,570 --> 00:29:52,750

skeptic zone Mike it's been a

791

00:29:56,490 --> 00:29:54,580

fascinating conference it's been

792

00:29:57,960 --> 00:29:56,500

interesting in yeah yeah in fact this is

793

00:29:59,820 --> 00:29:57,970

probably the first time I've seen it

794

00:30:01,680 --> 00:29:59,830

quite quite heavily biased towards

795

00:30:03,480 --> 00:30:01,690

education and your own presentation

796

00:30:05,730 --> 00:30:03,490

talked about your own views about

797

00:30:07,890 --> 00:30:05,740

science education and how skepticism can

798

00:30:10,650 --> 00:30:07,900

be involved it seems to be a bit of a

799

00:30:11,910 --> 00:30:10,660

focus of mine yeah it does and I

800

00:30:13,560 --> 00:30:11,920

particularly like the way that you

801  
00:30:15,570 --> 00:30:13,570  
suggested several professional groups

802  
00:30:17,520 --> 00:30:15,580  
that skeptics could probably tap into

803  
00:30:19,140 --> 00:30:17,530  
and in fact it was a question of mine

804  
00:30:20,820 --> 00:30:19,150  
how do skeptics get in touch with

805  
00:30:23,160 --> 00:30:20,830  
science communicators and Science in a

806  
00:30:24,510 --> 00:30:23,170  
more proactive way I think skeptic

807  
00:30:26,340 --> 00:30:24,520  
groups need to have a better idea of

808  
00:30:29,300 --> 00:30:26,350  
what they're actually aiming towards

809  
00:30:31,860 --> 00:30:29,310  
before they they go into any real

810  
00:30:34,200 --> 00:30:31,870  
contact with any groups or deciding who

811  
00:30:37,470 --> 00:30:34,210  
they want to talk to problem i tend to

812  
00:30:41,100 --> 00:30:37,480  
find is the the actual goal since you're

813  
00:30:43,380 --> 00:30:41,110

very vague it's like this this gray area

814

00:30:45,390 --> 00:30:43,390

of our will we want people to not

815

00:30:47,160 --> 00:30:45,400

believe in psychics weed weed on people

816

00:30:48,990 --> 00:30:47,170

to pay psychics we don't want people to

817

00:30:50,490 --> 00:30:49,000

go to a homeopath we don't we want kids

818

00:30:52,530 --> 00:30:50,500

to be critical thinking stress what you

819

00:30:54,060 --> 00:30:52,540

want even educators don't really know

820

00:30:56,460 --> 00:30:54,070

what the term in critical thinking means

821

00:30:58,560 --> 00:30:56,470

it's not a straightforward simple

822

00:31:01,500 --> 00:30:58,570

definition it's a whole group of skills

823

00:31:04,410 --> 00:31:01,510

it's a collection of them values and

824

00:31:05,910 --> 00:31:04,420

attitudes so to have this blanket idea I

825

00:31:08,010 --> 00:31:05,920

think that's a problem is it's very sim

826

00:31:10,890 --> 00:31:08,020

ago we want people to be skeptical we

827

00:31:12,600 --> 00:31:10,900

want people to be critical but really

828

00:31:14,070 --> 00:31:12,610

what does it look like but I think once

829

00:31:16,230 --> 00:31:14,080

you've got an idea of what the goal is

830

00:31:17,970 --> 00:31:16,240

and how to approach it you can then

831

00:31:20,250 --> 00:31:17,980

evaluate it as to see you know how

832

00:31:21,600 --> 00:31:20,260

effective you are if you don't have any

833

00:31:23,310 --> 00:31:21,610

of those things if you don't have goals

834

00:31:26,010 --> 00:31:23,320

or an idea of how to actually see if

835

00:31:28,290 --> 00:31:26,020

your goal has succeeded then you know

836

00:31:30,060 --> 00:31:28,300

I'm not sure really what what's

837

00:31:31,710 --> 00:31:30,070

happening me and I can't see whether

838

00:31:33,660 --> 00:31:31,720

skeptics all what skeptics are really

839

00:31:35,490 --> 00:31:33,670

doing yeah you made the point of

840

00:31:37,320 --> 00:31:35,500

critical literacy was perhaps a better

841

00:31:39,540 --> 00:31:37,330

term to be using what does that involve

842

00:31:42,060 --> 00:31:39,550

our critical literacy is probably the

843

00:31:44,550 --> 00:31:42,070

latest in terms that is being bandied

844

00:31:46,500 --> 00:31:44,560

around I know people love to have a

845

00:31:48,000 --> 00:31:46,510

common language to discuss when it's

846

00:31:49,890 --> 00:31:48,010

talking about things so critical

847

00:31:53,250 --> 00:31:49,900

literacy is the least my understanding

848

00:31:54,870 --> 00:31:53,260

of it the ability to take in information

849

00:31:56,220 --> 00:31:54,880

that you receive through our texts so

850

00:31:59,340 --> 00:31:56,230

you're reading it listening to it

851  
00:32:01,920 --> 00:31:59,350  
watching it and evaluate it for its

852  
00:32:04,320 --> 00:32:01,930  
usefulness and by that I mean obviously

853  
00:32:06,180 --> 00:32:04,330  
information you get you want to look at

854  
00:32:07,920 --> 00:32:06,190  
to see see I don't like using words true

855  
00:32:10,940 --> 00:32:07,930  
or false i think as a philosophy behind

856  
00:32:13,440 --> 00:32:10,950  
that sep says it's absolute and

857  
00:32:15,780 --> 00:32:13,450  
obviously skepticism is not looking at

858  
00:32:18,030 --> 00:32:15,790  
absolutes it's a confidence in things so

859  
00:32:20,010 --> 00:32:18,040  
i guess usefulness is how confident you

860  
00:32:22,950 --> 00:32:20,020  
are that a bit of information you get is

861  
00:32:24,300 --> 00:32:22,960  
going to do what you wanted to do so

862  
00:32:25,560 --> 00:32:24,310  
when you make a decision on things you

863  
00:32:26,880 --> 00:32:25,570

want the prediction to come true at the

864

00:32:29,610 --> 00:32:26,890

end you know I decide I want to go to

865

00:32:31,320 --> 00:32:29,620

the shops and buy an ice cream I'm

866

00:32:33,270 --> 00:32:31,330

making a decision that you know there's

867

00:32:34,470 --> 00:32:33,280

gonna be a scream there yeah I don't

868

00:32:35,910 --> 00:32:34,480

want that to be pretty true because

869

00:32:37,260 --> 00:32:35,920

otherwise I'm wasting my time so when

870

00:32:38,760 --> 00:32:37,270

you make a decision to do something you

871

00:32:39,990 --> 00:32:38,770

have an idea in the end what you're

872

00:32:41,730 --> 00:32:40,000

going to be doing and you want the

873

00:32:44,130 --> 00:32:41,740

information for that to be fairly useful

874

00:32:46,950 --> 00:32:44,140

so it's not necessarily science class

875

00:32:49,560 --> 00:32:46,960

space this notion of finding evidence

876

00:32:51,570 --> 00:32:49,570

and finding what could be possible maybe

877

00:32:53,970 --> 00:32:51,580

not truth but certainly a reasonable

878

00:32:55,950 --> 00:32:53,980

conclusion by the end of it it could be

879

00:32:57,600 --> 00:32:55,960

taught in English fruits it's also the

880

00:32:59,250 --> 00:32:57,610

problem I think I guess we have in

881

00:33:00,810 --> 00:32:59,260

approaching education from a discipline

882

00:33:03,630 --> 00:33:00,820

based background yeah life isn't

883

00:33:05,910 --> 00:33:03,640

discipline-based we don't go out each

884

00:33:08,130 --> 00:33:05,920

day and go I know using maths understand

885

00:33:09,240 --> 00:33:08,140

back i'm going to do science I couldn't

886

00:33:11,760 --> 00:33:09,250

we just don't know

887

00:33:13,800 --> 00:33:11,770

that's it you do things so I might be

888

00:33:16,050 --> 00:33:13,810

drawing yes if you ask me I compressible

889

00:33:18,270 --> 00:33:16,060

I guess that's a nice thing but I don't

890

00:33:19,620 --> 00:33:18,280

have that in mind so we we have skills

891

00:33:22,320 --> 00:33:19,630

that we applied a whole range of things

892

00:33:24,180 --> 00:33:22,330

i think the the point i'm at now and

893

00:33:26,790 --> 00:33:24,190

understanding how things work has to do

894

00:33:29,280 --> 00:33:26,800

with more values they're necessarily

895

00:33:31,080 --> 00:33:29,290

just a skill or just content you almost

896

00:33:33,360 --> 00:33:31,090

say that there's there's three levels to

897

00:33:36,180 --> 00:33:33,370

it fundamentally you need to have a

898

00:33:38,670 --> 00:33:36,190

value that appreciates us an objective

899

00:33:41,180 --> 00:33:38,680

reality you know if you can't have this

900

00:33:44,610 --> 00:33:41,190

epistle mala gee that kind of says i

901  
00:33:45,840 --> 00:33:44,620  
will everyone has their own objective

902  
00:33:48,030 --> 00:33:45,850  
reality and you know everyone's entitled

903  
00:33:50,010 --> 00:33:48,040  
to that it just it doesn't work in my

904  
00:33:51,390 --> 00:33:50,020  
view that's a fairly important value

905  
00:33:54,150 --> 00:33:51,400  
however me just to go and say what

906  
00:33:56,520 --> 00:33:54,160  
you're now adopt my values that also

907  
00:33:58,590 --> 00:33:56,530  
doesn't quite work well we raise the

908  
00:34:00,120 --> 00:33:58,600  
issue at one point during one of the

909  
00:34:02,040 --> 00:34:00,130  
lectures that Richard Saunders was doing

910  
00:34:04,170 --> 00:34:02,050  
one of the audience members raised the

911  
00:34:06,360 --> 00:34:04,180  
question Aboriginality and how different

912  
00:34:08,159 --> 00:34:06,370  
cultural views might that's right

913  
00:34:09,780 --> 00:34:08,169

something it's really tricky to try to

914

00:34:11,790 --> 00:34:09,790

get across different cultural groups we

915

00:34:13,230 --> 00:34:11,800

we often think of cultures as being

916

00:34:15,600 --> 00:34:13,240

something that's radically different to

917

00:34:16,470 --> 00:34:15,610

the everyday that we associate with but

918

00:34:18,300 --> 00:34:16,480

if you think about the everyday you

919

00:34:19,409 --> 00:34:18,310

associate with there's many sub cultures

920

00:34:21,869 --> 00:34:19,419

within them you're going to come across

921

00:34:23,790 --> 00:34:21,879

a whole range of groups and they haven't

922

00:34:26,369 --> 00:34:23,800

come to the conclusion that the they've

923

00:34:28,379 --> 00:34:26,379

come to purely based on stupidity or our

924

00:34:31,649 --> 00:34:28,389

lack of education they've come to those

925

00:34:34,169 --> 00:34:31,659

conclusions based on values so they're

926  
00:34:36,260 --> 00:34:34,179  
raised with the particular appreciation

927  
00:34:39,510 --> 00:34:36,270  
of beliefs of their family or they've

928  
00:34:43,379 --> 00:34:39,520  
they've come to a particular conclusion

929  
00:34:45,030 --> 00:34:43,389  
based on the they're friends so the

930  
00:34:47,490 --> 00:34:45,040  
peers that they might know that they

931  
00:34:50,159 --> 00:34:47,500  
might like and they're huge influence on

932  
00:34:51,450 --> 00:34:50,169  
people so to have the the attitude

933  
00:34:53,190 --> 00:34:51,460  
especially as an educator that you can

934  
00:34:55,169 --> 00:34:53,200  
walk into any particular classroom and

935  
00:34:57,900 --> 00:34:55,179  
anywhere from Northern Territory to

936  
00:35:00,240 --> 00:34:57,910  
anywhere in the world local be a longer

937  
00:35:01,950 --> 00:35:00,250  
to central sigma that's right I've got

938  
00:35:05,310 --> 00:35:01,960

the same class I will now teach science

939

00:35:06,120 --> 00:35:05,320

it's very tricky to do I have actually

940

00:35:08,430 --> 00:35:06,130

worked out in some indigenous

941

00:35:09,010 --> 00:35:08,440

communities and the experience has been

942

00:35:13,030 --> 00:35:09,020

outstanding

943

00:35:15,250 --> 00:35:13,040

and I mean Aboriginal kids I found them

944

00:35:17,770 --> 00:35:15,260

perhaps you know a whole mix of reasons

945

00:35:20,080 --> 00:35:17,780

of really great problem solvers yeah you

946

00:35:23,110 --> 00:35:20,090

give them a situation and give them some

947

00:35:25,300 --> 00:35:23,120

materials and their mind just seems too

948

00:35:27,880 --> 00:35:25,310

you know branch out and find these most

949

00:35:29,260 --> 00:35:27,890

radical ways of dealing with it it has

950

00:35:30,730 --> 00:35:29,270

blown me away like just in the

951  
00:35:32,350 --> 00:35:30,740  
experience I've had from all different

952  
00:35:33,790 --> 00:35:32,360  
cultural backgrounds and teaches kids

953  
00:35:35,680 --> 00:35:33,800  
just you know hand them stuff and

954  
00:35:38,350 --> 00:35:35,690  
banging they'll go away with it now the

955  
00:35:39,460 --> 00:35:38,360  
values they tend to have also vary quite

956  
00:35:40,960 --> 00:35:39,470  
a bit they will tend to have a

957  
00:35:42,730 --> 00:35:40,970  
hierarchical structure where you have

958  
00:35:44,740 --> 00:35:42,740  
elders that will believe some things and

959  
00:35:47,470 --> 00:35:44,750  
you know pass on that respect so you

960  
00:35:49,600 --> 00:35:47,480  
respect your elders family groups are

961  
00:35:51,610 --> 00:35:49,610  
amazing in a lot of indigenous

962  
00:35:53,230 --> 00:35:51,620  
communities the concept of a family

963  
00:35:55,450 --> 00:35:53,240

extends far beyond what we appreciate we

964

00:35:57,010 --> 00:35:55,460

have very much a nuclear understanding

965

00:35:59,140 --> 00:35:57,020

your family which is mum dad couple of

966

00:36:01,120 --> 00:35:59,150

kids and then you extend away from that

967

00:36:04,060 --> 00:36:01,130

doesn't really work in the same way I

968

00:36:06,490 --> 00:36:04,070

met one guy who introduced me to what

969

00:36:09,460 --> 00:36:06,500

who we call his dad no an a I shook

970

00:36:10,960 --> 00:36:09,470

hands and then he had hitches me to

971

00:36:13,270 --> 00:36:10,970

another guy who were called his dad so

972

00:36:15,430 --> 00:36:13,280

which one is later found out neither one

973

00:36:17,560 --> 00:36:15,440

was biological father but there was a

974

00:36:19,420 --> 00:36:17,570

respected term well this guy went you

975

00:36:21,490 --> 00:36:19,430

are now my son and so that was his dad

976  
00:36:22,810 --> 00:36:21,500  
yeah and happened in a couple of

977  
00:36:25,150 --> 00:36:22,820  
different ways so again aren't his

978  
00:36:26,440 --> 00:36:25,160  
uncles cousins has nothing to with that

979  
00:36:28,330 --> 00:36:26,450  
biological blood relationship

980  
00:36:32,680 --> 00:36:28,340  
necessarily it's a completely different

981  
00:36:34,120 --> 00:36:32,690  
system but the values itself involves a

982  
00:36:36,070 --> 00:36:34,130  
different way of communicating that if I

983  
00:36:38,410 --> 00:36:36,080  
had walked in and said something about

984  
00:36:40,000 --> 00:36:38,420  
you know your cousin and I'm thinking a

985  
00:36:41,110 --> 00:36:40,010  
biological direct relationship like that

986  
00:36:43,420 --> 00:36:41,120  
they're not going to interpret it that

987  
00:36:45,970 --> 00:36:43,430  
way the value system and the way of

988  
00:36:47,770 --> 00:36:45,980

communicating about various terms is

989

00:36:49,630 --> 00:36:47,780

slightly different and so that comes

990

00:36:51,940 --> 00:36:49,640

back down to science if I walk in and

991

00:36:54,820 --> 00:36:51,950

start talking about this objective

992

00:36:56,530 --> 00:36:54,830

reality and a system of rules it just

993

00:36:58,480 --> 00:36:56,540

doesn't have that same connection within

994

00:36:59,800 --> 00:36:58,490

those families so whilst in school they

995

00:37:01,150 --> 00:36:59,810

might have that they go home and they'll

996

00:37:02,440 --> 00:37:01,160

adopt a different way of thinking about

997

00:37:04,750 --> 00:37:02,450

things different way of communicating

998

00:37:06,130 --> 00:37:04,760

and they'll learn to separate the things

999

00:37:08,080 --> 00:37:06,140

that they talk about in school with the

1000

00:37:09,790 --> 00:37:08,090

things I talk about outside and so

1001

00:37:11,890 --> 00:37:09,800

there's two different systems I found

1002

00:37:13,970 --> 00:37:11,900

that myself in terms of students who had

1003

00:37:17,100 --> 00:37:13,980

successfully managed

1004

00:37:20,010 --> 00:37:17,110

prizes for well so it managed to

1005

00:37:21,930 --> 00:37:20,020

successfully enter in their projects for

1006

00:37:23,970 --> 00:37:21,940

a particular skeptics competition they'd

1007

00:37:25,590 --> 00:37:23,980

say okay I have analyzed tarot cards and

1008

00:37:27,270 --> 00:37:25,600

yet they would then quite casually tell

1009

00:37:29,790 --> 00:37:27,280

me about their family's belief in Feng

1010

00:37:31,590 --> 00:37:29,800

Shui and how they saw no exactly and how

1011

00:37:32,670 --> 00:37:31,600

they continue to support it exactly and

1012

00:37:34,140 --> 00:37:32,680

people have different understandings of

1013

00:37:36,750 --> 00:37:34,150

what they mean by those things as well

1014

00:37:37,890 --> 00:37:36,760

you're talking previously about a girl

1015

00:37:39,600 --> 00:37:37,900

who was talking about the psychological

1016

00:37:41,370 --> 00:37:39,610

help that a psychic might be able to

1017

00:37:43,200 --> 00:37:41,380

offer yeah I don't think she was

1018

00:37:45,840 --> 00:37:43,210

necessarily talking about the actual

1019

00:37:47,430 --> 00:37:45,850

psychic powers but rather the means of

1020

00:37:48,660 --> 00:37:47,440

communicating with people to help them

1021

00:37:50,490 --> 00:37:48,670

think nothing kind that quite a bit

1022

00:37:52,980 --> 00:37:50,500

people say I use tarot to help me

1023

00:37:54,240 --> 00:37:52,990

psychologically yea once again people

1024

00:37:55,980 --> 00:37:54,250

are talking about different things there

1025

00:37:58,260 --> 00:37:55,990

we have to be careful when we talk about

1026

00:38:00,180 --> 00:37:58,270

superstitions lot of people say oh no

1027

00:38:01,710 --> 00:38:00,190

touch wood does that necessarily mean

1028

00:38:03,690 --> 00:38:01,720

they're really thinking I'd do it all

1029

00:38:05,400 --> 00:38:03,700

the time even today for example when

1030

00:38:07,290 --> 00:38:05,410

talking to someone and you are nearby

1031

00:38:08,730 --> 00:38:07,300

and I said I'll touch what I'll get this

1032

00:38:10,680 --> 00:38:08,740

done that's right and I believe you and

1033

00:38:12,240 --> 00:38:10,690

your mother for example I shields my

1034

00:38:14,160 --> 00:38:12,250

mother says touch water she doesn't

1035

00:38:16,650 --> 00:38:14,170

really think that is good yeah exactly

1036

00:38:17,850 --> 00:38:16,660

and we we have those things and so once

1037

00:38:19,620 --> 00:38:17,860

again when it comes to skeptics

1038

00:38:22,080 --> 00:38:19,630

communicating with different cultural

1039

00:38:24,030 --> 00:38:22,090

groups you really have to be careful

1040

00:38:26,520 --> 00:38:24,040

about what it is you're really talking

1041

00:38:28,470 --> 00:38:26,530

about with that simply saying bah

1042

00:38:29,910 --> 00:38:28,480

humbugs or superstitions and someone's

1043

00:38:31,230 --> 00:38:29,920

goes touch wood and you start on busting

1044

00:38:33,420 --> 00:38:31,240

them for you yeah they're having that

1045

00:38:35,100 --> 00:38:33,430

pregnant it's a social practice they

1046

00:38:36,570 --> 00:38:35,110

might not be sin there going oh I don't

1047

00:38:38,760 --> 00:38:36,580

really mean it but they might not also

1048

00:38:39,930 --> 00:38:38,770

be touching wood because I really feel

1049

00:38:42,120 --> 00:38:39,940

that that's going to have some direct

1050

00:38:44,160 --> 00:38:42,130

objective outcome it's a social practice

1051

00:38:45,930 --> 00:38:44,170

I find it a comfort thing myself a lot

1052

00:38:48,030 --> 00:38:45,940

of people do I think probably my last

1053

00:38:49,380 --> 00:38:48,040

question revolves around something

1054

00:38:51,570 --> 00:38:49,390

that's been on my mind and quite a few

1055

00:38:53,100 --> 00:38:51,580

people's minds for some time the Daniel

1056

00:38:54,870 --> 00:38:53,110

Loxton esterday where do we go from here

1057

00:38:57,000 --> 00:38:54,880

definitely what would be your final

1058

00:38:59,400 --> 00:38:57,010

point I guess for skeptics in terms so

1059

00:39:00,270 --> 00:38:59,410

here's an idea of where you should go

1060

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

from here what would be your

1061

00:39:03,540 --> 00:39:02,290

contribution I think that they've got a

1062

00:39:05,760 --> 00:39:03,550

the first thing I'm gonna do some goals

1063

00:39:08,130 --> 00:39:05,770

go here is the goal this is what we want

1064

00:39:09,510 --> 00:39:08,140

to see ya the goal cannot be we we must

1065

00:39:11,250 --> 00:39:09,520

have Radek 8 these belief systems but

1066

00:39:12,960 --> 00:39:11,260

rather oh we must have all kids as

1067

00:39:14,730 --> 00:39:12,970

critical thinkers exactly because that's

1068

00:39:17,340 --> 00:39:14,740

to thank you know something solid that

1069

00:39:20,849 --> 00:39:17,350

says we can see this if ya my goal is to

1070

00:39:23,099 --> 00:39:20,859

have you know in the future

1071

00:39:24,749 --> 00:39:23,109

X number of kids winning this

1072

00:39:26,670 --> 00:39:24,759

competition I own it something solid

1073

00:39:28,799 --> 00:39:26,680

they can actually brain 'jim not a not

1074

00:39:30,870 --> 00:39:28,809

being in my community my school for

1075

00:39:32,430 --> 00:39:30,880

example or maybe some doing a proper

1076

00:39:34,259 --> 00:39:32,440

investigation into that's right

1077

00:39:36,839 --> 00:39:34,269

something where you can evaluate it and

1078

00:39:38,789 --> 00:39:36,849

go the goal i had has now been achieved

1079

00:39:40,289 --> 00:39:38,799

now we go the next step if you don't

1080

00:39:41,729 --> 00:39:40,299

have solid goals then you can't see if

1081

00:39:43,499 --> 00:39:41,739

you're actually succeeding anything you

1082

00:39:44,309 --> 00:39:43,509

can't see the progress you make you

1083

00:39:45,599 --> 00:39:44,319

don't know if you're making any

1084

00:39:47,489 --> 00:39:45,609

difference in the community whatsoever

1085

00:39:48,900 --> 00:39:47,499

so your first need goals then you need a

1086

00:39:51,359 --> 00:39:48,910

way of actually looking to see if you've

1087

00:39:52,680 --> 00:39:51,369

achieved those goals only then once

1088

00:39:54,390 --> 00:39:52,690

you've got those two things can you say

1089

00:39:56,609 --> 00:39:54,400

who can help me actually achieve these

1090

00:39:58,349 --> 00:39:56,619

You Know Who am I community is doing

1091

00:40:00,720 --> 00:39:58,359

this already or can I make connections

1092

00:40:02,489 --> 00:40:00,730

with and discuss this with I think once

1093

00:40:05,640 --> 00:40:02,499

you've made those three steps then we

1094

00:40:07,019 --> 00:40:05,650

will see some changes until then you

1095

00:40:09,390 --> 00:40:07,029

know I know Richard was talking before

1096

00:40:12,180 --> 00:40:09,400

about preaching to the choir which is

1097

00:40:14,849 --> 00:40:12,190

not a bad thing we do need quiet yeah

1098

00:40:16,620 --> 00:40:14,859

and I do need to be reinforced and

1099

00:40:19,049 --> 00:40:16,630

spoken to anointed to feel as if they're

1100

00:40:21,299 --> 00:40:19,059

they're achieving some of all ages both

1101  
00:40:22,559 --> 00:40:21,309  
definitely not even particularly sure of

1102  
00:40:24,150 --> 00:40:22,569  
their gender as I raised in my own

1103  
00:40:26,130 --> 00:40:24,160  
speech here and we've now got a choir

1104  
00:40:27,749 --> 00:40:26,140  
which is fantastic however what are they

1105  
00:40:29,519 --> 00:40:27,759  
going to be singing next I think it's a

1106  
00:40:31,289 --> 00:40:29,529  
question and where are they going to go

1107  
00:40:34,799 --> 00:40:31,299  
from here is something when you to

1108  
00:40:37,979 --> 00:40:34,809  
address thanks to everybody who helped

1109  
00:40:40,680 --> 00:40:37,989  
organize the 2008 Australian skeptics

1110  
00:40:43,549 --> 00:40:40,690  
National Convention the next convention

1111  
00:40:54,120 --> 00:40:43,559  
will be held in brisbane queensland in

1112  
00:40:56,819 --> 00:40:54,130  
2009 show your skepticism to the world

1113  
00:40:58,979 --> 00:40:56,829

by wearing a skeptic zone t-shirt just

1114

00:41:01,440 --> 00:40:58,989

the thing for keeping UFOs and ghosts

1115

00:41:04,739 --> 00:41:01,450

out of your face available in many

1116

00:41:06,620 --> 00:41:04,749

colors and in women's and men's sizes we

1117

00:41:09,329 --> 00:41:06,630

even have some for kids and babies

1118

00:41:18,450 --> 00:41:09,339

skeptics own t-shirts order yours today

1119

00:41:26,950 --> 00:41:21,820

now it's time for dr. Rachel reports

1120

00:41:29,620 --> 00:41:26,960

with dr. Rachel Dunlop hello everyone

1121

00:41:30,580 --> 00:41:29,630

and welcome to dr. Rachel reports today

1122

00:41:32,530 --> 00:41:30,590

I want to talk to you about

1123

00:41:36,070 --> 00:41:32,540

complementary and alternative medicines

1124

00:41:38,740 --> 00:41:36,080

also known as cam or woo in pharmacies

1125

00:41:40,330 --> 00:41:38,750

or drug stores across Australia and of

1126

00:41:42,370 --> 00:41:40,340

course there is way too much to cover in

1127

00:41:44,200 --> 00:41:42,380

this short segment so I've chosen my top

1128

00:41:46,599 --> 00:41:44,210

three to present to you in some detail

1129

00:41:48,520 --> 00:41:46,609

you can see a full list of my other bug

1130

00:41:52,330 --> 00:41:48,530

bears on the accompanying blog for dr.

1131

00:41:54,460 --> 00:41:52,340

Rachel reports at skeptic zone TV but

1132

00:41:56,200 --> 00:41:54,470

for now wandering to your local

1133

00:41:58,150 --> 00:41:56,210

Australian pharmacy any day of the week

1134

00:42:00,760 --> 00:41:58,160

and stacked alongside the legitimate

1135

00:42:02,830 --> 00:42:00,770

science based medicines you'll find all

1136

00:42:05,620 --> 00:42:02,840

manner of snake oils and magic potions

1137

00:42:07,810 --> 00:42:05,630

from the relatively innocuous vitamin

1138

00:42:09,960 --> 00:42:07,820

and mineral supplements however evidence

1139

00:42:12,310 --> 00:42:09,970

for their efficacy remains controversial

1140

00:42:15,940 --> 00:42:12,320

to the more bizarre like iridology

1141

00:42:17,650 --> 00:42:15,950

homeopathy and ear candles and should

1142

00:42:20,380 --> 00:42:17,660

you need professional advice about which

1143

00:42:22,030 --> 00:42:20,390

way is best for you well in Australia

1144

00:42:24,400 --> 00:42:22,040

many pharmacies have a consultant

1145

00:42:27,849 --> 00:42:24,410

naturopath and iridology whom you can

1146

00:42:29,920 --> 00:42:27,859

usually see free of charge let's begin

1147

00:42:32,470 --> 00:42:29,930

with my personal favorite ear candles

1148

00:42:34,109 --> 00:42:32,480

the practice of ear candling involves

1149

00:42:36,940 --> 00:42:34,119

placing a long candle in your ear

1150

00:42:38,950 --> 00:42:36,950

lighting the far end and supposedly a

1151  
00:42:41,500 --> 00:42:38,960  
vacuum is created drawing wax from your

1152  
00:42:44,560 --> 00:42:41,510  
ear canal some practitioners will also

1153  
00:42:46,750 --> 00:42:44,570  
tell you they draw out bad energy and as

1154  
00:42:48,400 --> 00:42:46,760  
our good friend Loretta Maron says be

1155  
00:42:50,109 --> 00:42:48,410  
careful when walking past a session of

1156  
00:42:53,500 --> 00:42:50,119  
this nonsense you might be struck by

1157  
00:42:55,150 --> 00:42:53,510  
unexpected negative energy in my opinion

1158  
00:42:57,460 --> 00:42:55,160  
the only thing ear candles are good for

1159  
00:43:00,310 --> 00:42:57,470  
is dripping wax in your ears and setting

1160  
00:43:01,930 --> 00:43:00,320  
fire to your curtains unfortunately in

1161  
00:43:04,120 --> 00:43:01,940  
Australia this product is listed with

1162  
00:43:07,240 --> 00:43:04,130  
the TGA which is the equivalent of the

1163  
00:43:10,109 --> 00:43:07,250

FDA giving them unju legitimacy which

1164

00:43:13,599 --> 00:43:10,119

they don't deserve because they do not

1165

00:43:15,430 --> 00:43:13,609

iridology iridology is usually

1166

00:43:17,650 --> 00:43:15,440

administered by visiting naturopath or

1167

00:43:19,750 --> 00:43:17,660

iridology stand a pharmacy next to my

1168

00:43:21,460 --> 00:43:19,760

place advertises this rubbish on a large

1169

00:43:23,550 --> 00:43:21,470

sandwich bought out the front you can

1170

00:43:25,960 --> 00:43:23,560

see the pictures on my accompanying blog

1171

00:43:28,030 --> 00:43:25,970

now iridology originated with the

1172

00:43:31,450 --> 00:43:28,040

hungarian physician eggs not

1173

00:43:33,460 --> 00:43:31,460

pixley in the 1860s when he was treating

1174

00:43:35,950 --> 00:43:33,470

a broken leg and noticed a dark streak

1175

00:43:38,500 --> 00:43:35,960

in the patient's eye he then spent years

1176  
00:43:40,180 --> 00:43:38,510  
mapping marks in patients irises which

1177  
00:43:42,970 --> 00:43:40,190  
he has sociated with various illnesses

1178  
00:43:45,190 --> 00:43:42,980  
and this resulted in a variation on the

1179  
00:43:48,700 --> 00:43:45,200  
iridology SMAP of the eye still used by

1180  
00:43:50,440 --> 00:43:48,710  
practitioners today unfortunately as it

1181  
00:43:52,870 --> 00:43:50,450  
is the case with many alternative

1182  
00:43:54,670 --> 00:43:52,880  
therapies large variability exists

1183  
00:43:57,460 --> 00:43:54,680  
between iridology s when it comes to

1184  
00:43:59,740 --> 00:43:57,470  
diagnosis but collectively it seems

1185  
00:44:01,960 --> 00:43:59,750  
these people are most afraid of wheat

1186  
00:44:05,050 --> 00:44:01,970  
and will usually advise some kind of

1187  
00:44:08,350 --> 00:44:05,060  
special diet in a report published in

1188  
00:44:11,260 --> 00:44:08,360

the Australian doctor in 2004 a GP

1189

00:44:14,110 --> 00:44:11,270

Professor Max came in posing undercover

1190

00:44:16,660 --> 00:44:14,120

as a tired teacher was prescribed all

1191

00:44:18,400 --> 00:44:16,670

manner of special diets but never told

1192

00:44:20,380 --> 00:44:18,410

you need to get more sleep and

1193

00:44:22,990 --> 00:44:20,390

interestingly eighty percent of

1194

00:44:27,730 --> 00:44:23,000

tiredness is caused by a simple lack of

1195

00:44:29,800 --> 00:44:27,740

sleep homeopathy homeopathy was invented

1196

00:44:31,840 --> 00:44:29,810

by Samuel Hahnemann back in the 18th

1197

00:44:34,660 --> 00:44:31,850

century and it's based on the concept of

1198

00:44:37,180 --> 00:44:34,670

like treats like that is a concentrated

1199

00:44:38,740 --> 00:44:37,190

solution of the toxin is Sir Cuscut which

1200

00:44:41,530 --> 00:44:38,750

is basically just shaking it vigorously

1201  
00:44:43,600 --> 00:44:41,540  
to instill the memory of the original

1202  
00:44:45,580 --> 00:44:43,610  
substance in the solution and this is

1203  
00:44:48,010 --> 00:44:45,590  
known as the mother tincture which is

1204  
00:44:49,270 --> 00:44:48,020  
then diluted extensively to beyond the

1205  
00:44:51,520 --> 00:44:49,280  
point where there is any possibility

1206  
00:44:54,040 --> 00:44:51,530  
that any molecules from the original

1207  
00:44:55,900 --> 00:44:54,050  
solution remain now Richard Dawkins

1208  
00:44:59,110 --> 00:44:55,910  
describes it in his recent documentary

1209  
00:45:01,300 --> 00:44:59,120  
enemies of reason as similar to placing

1210  
00:45:03,670 --> 00:45:01,310  
a drop of the active ingredient in all

1211  
00:45:07,270 --> 00:45:03,680  
of the oceans so basically you are

1212  
00:45:09,190 --> 00:45:07,280  
buying very expensive water now the most

1213  
00:45:11,290 --> 00:45:09,200

heinous thing about homeopathy is the

1214

00:45:14,170 --> 00:45:11,300

marketing of homeopathic vaccines and

1215

00:45:16,990 --> 00:45:14,180

medicine for children and babies whilst

1216

00:45:19,750 --> 00:45:17,000

cures for colic are bad enough in a most

1217

00:45:22,000 --> 00:45:19,760

disgusting example of deceit in 2006 in

1218

00:45:24,130 --> 00:45:22,010

Australia a manufacturer of natural and

1219

00:45:25,630 --> 00:45:24,140

homeopathic medicine was forced to

1220

00:45:28,930 --> 00:45:25,640

withdraw a vaccine for meningococcal

1221

00:45:31,360 --> 00:45:28,940

disease now meningococcal disease is a

1222

00:45:34,300 --> 00:45:31,370

rapid onset and often fatal bacterial

1223

00:45:35,920 --> 00:45:34,310

infection which causes meningitis which

1224

00:45:39,070 --> 00:45:35,930

is inflammation of the lining of the

1225

00:45:41,530 --> 00:45:39,080

brain and spinal cord and or septicemia

1226

00:45:43,270 --> 00:45:41,540

which is blood poisoning

1227

00:45:44,920 --> 00:45:43,280

and the media coverage and subsequent

1228

00:45:46,660 --> 00:45:44,930

withdrawal of this product was partly

1229

00:45:50,110 --> 00:45:46,670

due to whistleblowing by the Australian

1230

00:45:51,730 --> 00:45:50,120

skeptics who in 2005 produced a press

1231

00:45:53,830 --> 00:45:51,740

release after being informed at the

1232

00:45:55,600 --> 00:45:53,840

parents babies and children's Expo in

1233

00:45:58,770 --> 00:45:55,610

Sydney that you can vaccinate your

1234

00:46:00,910 --> 00:45:58,780

children with homeopathic preparations

1235

00:46:03,160 --> 00:46:00,920

so why should we be concerned about

1236

00:46:05,410 --> 00:46:03,170

these so-called medicines well in the

1237

00:46:07,660 --> 00:46:05,420

case of homeopathy as I've just told you

1238

00:46:09,970 --> 00:46:07,670

this stuff does nothing shouldn't we

1239

00:46:12,400 --> 00:46:09,980

just leave it alone or absolutely not in

1240

00:46:14,650 --> 00:46:12,410

fact homeopathy can do home since it

1241

00:46:16,420 --> 00:46:14,660

does nothing at all so whilst you may

1242

00:46:18,760 --> 00:46:16,430

think your baby is vaccinated from the

1243

00:46:21,580 --> 00:46:18,770

fatal meningococcal see strain they are

1244

00:46:23,350 --> 00:46:21,590

in fact at risk of dying and putting

1245

00:46:25,480 --> 00:46:23,360

this woo alongside pharmaceutical

1246

00:46:29,140 --> 00:46:25,490

science based medicine immediately lends

1247

00:46:31,090 --> 00:46:29,150

it legitimacy in Australia pharmacists

1248

00:46:33,310 --> 00:46:31,100

undergo very similar training to science

1249

00:46:35,830 --> 00:46:33,320

graduates so why do these well-qualified

1250

00:46:37,600 --> 00:46:35,840

critically thinking science literate and

1251  
00:46:40,440 --> 00:46:37,610  
respected members of the community

1252  
00:46:42,880 --> 00:46:40,450  
tolerate quackery in their dispensaries

1253  
00:46:44,800 --> 00:46:42,890  
well in Australia at least part of the

1254  
00:46:47,170 --> 00:46:44,810  
problem is that large manufacturers of

1255  
00:46:50,140 --> 00:46:47,180  
natural medicines also own chains of

1256  
00:46:52,660 --> 00:46:50,150  
pharmacies for example a company in

1257  
00:46:54,850 --> 00:46:52,670  
Queensland which manufacturers several

1258  
00:46:57,520 --> 00:46:54,860  
natural medicine lines also owns the

1259  
00:46:59,260 --> 00:46:57,530  
trading name for two pharmacies so you

1260  
00:47:01,270 --> 00:46:59,270  
can see it in their interest to promote

1261  
00:47:02,920 --> 00:47:01,280  
all their products and what better way

1262  
00:47:05,440 --> 00:47:02,930  
to do this then through the respected

1263  
00:47:07,330 --> 00:47:05,450

white-coated pharmacist in my opinion

1264

00:47:10,120 --> 00:47:07,340

it's purely and simply a money-making

1265

00:47:11,980 --> 00:47:10,130

exercise and the biggest problem in

1266

00:47:14,590 --> 00:47:11,990

Australia lies with the legislation

1267

00:47:16,210 --> 00:47:14,600

where woo or cam can get a government

1268

00:47:17,800 --> 00:47:16,220

listing combined with an

1269

00:47:19,750 --> 00:47:17,810

official-looking number and this

1270

00:47:21,910 --> 00:47:19,760

immediately provides credibility to the

1271

00:47:24,190 --> 00:47:21,920

product I recently had a conversation

1272

00:47:26,020 --> 00:47:24,200

with the respected neurologist president

1273

00:47:28,180 --> 00:47:26,030

of the New England skeptical society and

1274

00:47:30,520 --> 00:47:28,190

distinguished podcaster dr. Steven

1275

00:47:32,620 --> 00:47:30,530

novella regarding complementary and

1276

00:47:34,510 --> 00:47:32,630

alternative medicine he expressed his

1277

00:47:36,250 --> 00:47:34,520

dismay to me that more scientists and

1278

00:47:38,560 --> 00:47:36,260

doctors don't get angry about this stuff

1279

00:47:41,020 --> 00:47:38,570

well I'm here to tell you this little

1280

00:47:43,690 --> 00:47:41,030

black duck does and perhaps that's where

1281

00:47:45,910 --> 00:47:43,700

we can start the tide turning in some

1282

00:47:48,160 --> 00:47:45,920

sense we are lucky in Australia in that

1283

00:47:51,160 --> 00:47:48,170

we have a one-woman terror of the TGA

1284

00:47:53,020 --> 00:47:51,170

known as Loretta Marin who continues to

1285

00:47:54,650 --> 00:47:53,030

lobby the government and has in fact had

1286

00:47:58,250 --> 00:47:54,660

considerable success in

1287

00:48:00,050 --> 00:47:58,260

several products delisted but sadly it

1288

00:48:02,390 --> 00:48:00,060

seems the wu in pharmacies is not

1289

00:48:04,100 --> 00:48:02,400

limited to cam I was in a pharmacy on

1290

00:48:06,410 --> 00:48:04,110

the northern beaches of Sydney some time

1291

00:48:08,930 --> 00:48:06,420

ago and was shocked to see books by the

1292

00:48:12,590 --> 00:48:08,940

notorious psychic Sylvia Browne for sale

1293

00:48:14,540 --> 00:48:12,600

alongside the twee porcelain gifts I kid

1294

00:48:18,470 --> 00:48:14,550

you not there is nothing scientific

1295

00:48:20,060 --> 00:48:18,480

about that you can find the relevant

1296

00:48:23,330 --> 00:48:20,070

links for this story on my accompanying

1297

00:48:25,370 --> 00:48:23,340

blog at skeptic zone TV and if you have

1298

00:48:27,620 --> 00:48:25,380

a science-based medical issue you want

1299

00:48:30,800 --> 00:48:27,630

dr. Reiter to investigate feel free to

1300

00:48:33,110 --> 00:48:30,810

email me at Rachel at skeptic zone TV or

1301  
00:48:36,500 --> 00:48:33,120  
visit our website and go to the about Us

1302  
00:48:52,410 --> 00:48:36,510  
page to contact me until next time this

1303  
00:48:56,620 --> 00:48:54,760  
astronomy cast it takes a fact space

1304  
00:48:58,540 --> 00:48:56,630  
journey through the cosmos as it offers

1305  
00:49:01,210 --> 00:48:58,550  
listeners weekly discussions on

1306  
00:49:04,089 --> 00:49:01,220  
astronomical topics ranging from planets

1307  
00:49:06,430 --> 00:49:04,099  
to cosmology hosted by Fraser Cain of

1308  
00:49:07,450 --> 00:49:06,440  
Universe Today and myself dr. Pamela

1309  
00:49:10,120 --> 00:49:07,460  
gave southern illinois university

1310  
00:49:11,980 --> 00:49:10,130  
edwardsville this show brings the

1311  
00:49:14,410 --> 00:49:11,990  
questions of an avid astronomy lover

1312  
00:49:16,510 --> 00:49:14,420  
directly to an astronomer together

1313  
00:49:18,040 --> 00:49:16,520

Fraser and I explore what is known and

1314

00:49:20,800 --> 00:49:18,050

being discovered about the universe

1315

00:49:22,900 --> 00:49:20,810

around us join us each week as we take a

1316

00:49:33,579 --> 00:49:22,910

fax space journey through the cosmos at

1317

00:49:40,890 --> 00:49:33,589

astronomy cast com join us now for

1318

00:49:46,030 --> 00:49:43,720

and welcome once again to the think tank

1319

00:49:48,700 --> 00:49:46,040

we've made our way here to the earth to

1320

00:49:50,260 --> 00:49:48,710

the club up the street and Amanda Rose I

1321

00:49:52,089 --> 00:49:50,270

must say is had a very nice night

1322

00:49:54,440 --> 00:49:52,099

tonight here at the clock we've had a

1323

00:49:56,930 --> 00:49:54,450

very auspicious start

1324

00:49:58,670 --> 00:49:56,940

we have before we started recording a

1325

00:50:02,660 --> 00:49:58,680

man to run a couple of the raffle prizes

1326

00:50:05,000 --> 00:50:02,670

of glorious gift cards it was a glorious

1327

00:50:09,170 --> 00:50:05,010

gift cards that how you two dollars if

1328

00:50:11,180 --> 00:50:09,180

cars bullies well done i'm here with

1329

00:50:13,220 --> 00:50:11,190

amanda rose dr. Rachel done one hello

1330

00:50:15,470 --> 00:50:13,230

Richard and Michael wala hand thanks for

1331

00:50:18,109 --> 00:50:15,480

having me and we're once again here at

1332

00:50:21,050 --> 00:50:18,119

think tank ready to think and drink and

1333

00:50:23,569 --> 00:50:21,060

just before I know just before we start

1334

00:50:25,790 --> 00:50:23,579

the think tank I just like to mention to

1335

00:50:27,650 --> 00:50:25,800

everybody that our very first episode of

1336

00:50:30,230 --> 00:50:27,660

the zone featured an interview with Mark

1337

00:50:33,109 --> 00:50:30,240

Roberts about the young 911 and the

1338

00:50:35,150 --> 00:50:33,119

troopers and some people have commented

1339

00:50:36,770 --> 00:50:35,160

rightly so that the audio quality wasn't

1340

00:50:39,109 --> 00:50:36,780

up to scratch well that was because we

1341

00:50:40,400 --> 00:50:39,119

had to get the interview quickly and for

1342

00:50:43,490 --> 00:50:40,410

a number of reasons that's the best

1343

00:50:45,800 --> 00:50:43,500

audio we had but subsequently I have

1344

00:50:48,319 --> 00:50:45,810

received the original tapes and I've put

1345

00:50:51,380 --> 00:50:48,329

up the video of that interview with Mark

1346

00:50:53,569 --> 00:50:51,390

Roberts if you go to skeptics own TV you

1347

00:50:55,790 --> 00:50:53,579

can actually click on our video link see

1348

00:50:57,829 --> 00:50:55,800

the video and the audio is much better

1349

00:50:59,210 --> 00:50:57,839

but I think we'll kick off today's think

1350

00:51:00,520 --> 00:50:59,220

tank with you Michael what do you have

1351

00:51:03,060 --> 00:51:00,530

tours

1352

00:51:06,190 --> 00:51:03,070

the first story I wanted to discuss

1353

00:51:09,040 --> 00:51:06,200

rights to the Church of Scientology them

1354

00:51:11,320 --> 00:51:09,050

again an 18 year old New Jersey man will

1355

00:51:12,730 --> 00:51:11,330

plead guilty to the January online

1356

00:51:16,240 --> 00:51:12,740

attacks that took down the Church of

1357

00:51:18,660 --> 00:51:16,250

Scientology's website he faces 10 years

1358

00:51:21,610 --> 00:51:18,670

in prison on computer hacking charges

1359

00:51:23,740 --> 00:51:21,620

Wow now the reason I wanted to mention

1360

00:51:26,260 --> 00:51:23,750

this particular story is if you're a

1361

00:51:30,460 --> 00:51:26,270

young skeptic or if you're a young Colt

1362

00:51:32,440 --> 00:51:30,470

critic don't do anything illegal yes you

1363

00:51:33,760 --> 00:51:32,450

gotta rise above don't stoop to the

1364

00:51:37,600 --> 00:51:33,770

level of the charlatans and the

1365

00:51:39,970 --> 00:51:37,610

fraudsters play it by the rulebook it's

1366

00:51:41,740 --> 00:51:39,980

the best way to do it I completely agree

1367

00:51:43,390 --> 00:51:41,750

and have an awful lot of interesting

1368

00:51:46,000 --> 00:51:43,400

times and fun and do some really good

1369

00:51:48,340 --> 00:51:46,010

stuff in skepticism you don't have to go

1370

00:51:51,010 --> 00:51:48,350

out and do silly things and break the

1371

00:51:54,850 --> 00:51:51,020

law I totally agree it is easier to get

1372

00:51:58,710 --> 00:51:54,860

carried away oh you're feeling do

1373

00:52:00,510 --> 00:51:58,720

something and you just inside

1374

00:52:02,550 --> 00:52:00,520

cocoon and you know you get

1375

00:52:05,609 --> 00:52:02,560

reinforcements it can happen be skeptics

1376  
00:52:07,589 --> 00:52:05,619  
as well as to everyone else that we get

1377  
00:52:09,720 --> 00:52:07,599  
our positive reinforcement from our

1378  
00:52:12,230 --> 00:52:09,730  
colleagues and our friends and sometimes

1379  
00:52:17,280 --> 00:52:12,240  
that can push you a little bit too far

1380  
00:52:20,520 --> 00:52:17,290  
yeah absolutely well I've got a story

1381  
00:52:23,609 --> 00:52:20,530  
that broke last week in Australia about

1382  
00:52:25,500 --> 00:52:23,619  
a massive alien spaceship which was

1383  
00:52:28,050 --> 00:52:25,510  
supposed to land on Earth on the

1384  
00:52:30,900 --> 00:52:28,060  
fourteenth of October and an Australian

1385  
00:52:32,580 --> 00:52:30,910  
psychic predicted this she insisted that

1386  
00:52:35,910 --> 00:52:32,590  
it was going to occur on october the

1387  
00:52:37,859 --> 00:52:35,920  
14th and bookmakers were incredibly

1388  
00:52:41,940 --> 00:52:37,869

worried about this because last time

1389

00:52:44,160 --> 00:52:41,950

they took bets on am something to do

1390

00:52:45,540 --> 00:52:44,170

with space-based issues was back in

1391

00:52:47,670 --> 00:52:45,550

nineteen sixty-nine with the moon

1392

00:52:50,670 --> 00:52:47,680

landings and they in fact had to pay out

1393

00:52:53,820 --> 00:52:50,680

millions and millions of dollars and so

1394

00:52:55,830 --> 00:52:53,830

this story says here that they stopped

1395

00:52:59,310 --> 00:52:55,840

taking bets on whether this event would

1396

00:53:02,310 --> 00:52:59,320

happen but I'm do any of you know what

1397

00:53:04,680 --> 00:53:02,320

happened well you know I must have been

1398

00:53:06,329 --> 00:53:04,690

I think I slept in that day with Brad I

1399

00:53:09,510 --> 00:53:06,339

didn't get it really enough or maybe I

1400

00:53:13,690 --> 00:53:09,520

with the bed to private was when was

1401  
00:53:15,910 --> 00:53:13,700  
this allied skeptics conference ah

1402  
00:53:18,820 --> 00:53:15,920  
well the conference was the 11th over 12

1403  
00:53:22,300 --> 00:53:18,830  
yeah so it would have been the Monday I

1404  
00:53:23,890 --> 00:53:22,310  
guess no tuesday the tuesday after the

1405  
00:53:25,900 --> 00:53:23,900  
skeptics conference i bet maybe we

1406  
00:53:27,430 --> 00:53:25,910  
scared them away I don't know I went

1407  
00:53:32,050 --> 00:53:27,440  
back to work after long weekend away

1408  
00:53:34,450 --> 00:53:32,060  
that felt like the end of the world well

1409  
00:53:36,280 --> 00:53:34,460  
this lady her name is blossom goodchild

1410  
00:53:38,800 --> 00:53:36,290  
isn't that a lovely name for a psychic

1411  
00:53:42,250 --> 00:53:38,810  
good child that something's like the

1412  
00:53:43,960 --> 00:53:42,260  
goons what she's based in Queensland

1413  
00:53:47,440 --> 00:53:43,970

Richard they do have some unusual names

1414

00:53:49,330 --> 00:53:47,450

I'm me yes she said actually it was

1415

00:53:52,450 --> 00:53:49,340

going to land in the American desert and

1416

00:53:54,700 --> 00:53:52,460

she said the aliens were coming in love

1417

00:53:56,950 --> 00:53:54,710

to help us in our planet move to a new

1418

00:53:59,110 --> 00:53:56,960

higher vibration of love that's nice of

1419

00:54:00,940 --> 00:53:59,120

them yeah it is nice them to travel all

1420

00:54:03,370 --> 00:54:00,950

that way to just give us a hug isn't it

1421

00:54:05,950 --> 00:54:03,380

but in fact they didn't they didn't

1422

00:54:07,810 --> 00:54:05,960

arrive so we're a little bit

1423

00:54:09,880 --> 00:54:07,820

disappointed about that I'm heartbroken

1424

00:54:11,680 --> 00:54:09,890

well we saw our only Wi-Fi this week

1425

00:54:14,260 --> 00:54:11,690

didn't we actually Rachel and I went

1426  
00:54:17,470 --> 00:54:14,270  
clean spotting yes folks yes we went

1427  
00:54:20,320 --> 00:54:17,480  
plane spotting yeah we were by the

1428  
00:54:23,830 --> 00:54:20,330  
airport waiting for the a380 everywhere

1429  
00:54:25,990 --> 00:54:23,840  
where instead we suddenly from a

1430  
00:54:29,050 --> 00:54:26,000  
building nearby a weather balloon

1431  
00:54:31,390 --> 00:54:29,060  
emerged and went up into the sky and

1432  
00:54:34,420 --> 00:54:31,400  
we're going that's incredible it looks

1433  
00:54:36,310 --> 00:54:34,430  
like a UFO and I can't believe it that

1434  
00:54:38,500 --> 00:54:36,320  
there was an actual weather balloon the

1435  
00:54:41,040 --> 00:54:38,510  
classic well I've never seen one I don't

1436  
00:54:43,830 --> 00:54:41,050  
think you've seen one knows like that no

1437  
00:54:45,060 --> 00:54:43,840  
and we did take some photographs of it

1438  
00:54:47,550 --> 00:54:45,070

when it had gone off into the distance

1439

00:54:49,380 --> 00:54:47,560

and it does look like it's eat well it

1440

00:54:52,740 --> 00:54:49,390

is a UFO is an unidentified you an

1441

00:54:54,990 --> 00:54:52,750

object from that it's got it's on a

1442

00:54:57,510 --> 00:54:55,000

cable underneath it's got two metallic

1443

00:54:59,310 --> 00:54:57,520

objects which are reflectors or their

1444

00:55:00,930 --> 00:54:59,320

transmitters or whatever but as soon as

1445

00:55:02,670 --> 00:55:00,940

it gets some altitude and these things

1446

00:55:04,770 --> 00:55:02,680

start glinting in the Sun it looks

1447

00:55:06,930 --> 00:55:04,780

really eerie yeah it does and because

1448

00:55:08,550 --> 00:55:06,940

the metallic part of it captures the

1449

00:55:11,160 --> 00:55:08,560

sunlight it flickers when it's quite

1450

00:55:12,510 --> 00:55:11,170

high up in the in the sky yeah but it

1451  
00:55:14,340 --> 00:55:12,520  
was interesting wasn't it what you see

1452  
00:55:16,980 --> 00:55:14,350  
it actually be released I've never seen

1453  
00:55:18,570 --> 00:55:16,990  
that no before and then when you got

1454  
00:55:19,950 --> 00:55:18,580  
home you did a search for Sydney weather

1455  
00:55:23,280 --> 00:55:19,960  
balloon and there it was and it looks

1456  
00:55:25,890 --> 00:55:23,290  
exactly like that yeah yeah yeah so next

1457  
00:55:27,210 --> 00:55:25,900  
time you hear some some debunker saying

1458  
00:55:31,410 --> 00:55:27,220  
oh it's probably a weather balloon there

1459  
00:55:33,120 --> 00:55:31,420  
might be wrong they might be right well

1460  
00:55:35,220 --> 00:55:33,130  
you know there is another UFO story that

1461  
00:55:36,720 --> 00:55:35,230  
broke yesterday Oh in fact today and

1462  
00:55:39,540 --> 00:55:36,730  
most of you would have heard about this

1463  
00:55:43,440 --> 00:55:39,550

the UK Ministry of Defence has released

1464

00:55:46,020 --> 00:55:43,450

all of their UFO information from the

1465

00:55:50,370 --> 00:55:46,030

last 20 years oh yes I saw that yeah

1466

00:55:53,580 --> 00:55:50,380

yeah so it's something like I don't know

1467

00:55:55,620 --> 00:55:53,590

how many files they've got but um an X

1468

00:56:02,970 --> 00:55:55,630

number of files and X number files you

1469

00:56:09,570 --> 00:56:07,020

yes an X number of files covering 1986

1470

00:56:12,150 --> 00:56:09,580

to 1992 I'm just going to let that one

1471

00:56:15,210 --> 00:56:12,160

pass what is the best joke you like to

1472

00:56:18,080 --> 00:56:15,220

know what the best one he'll make to you

1473

00:56:22,500 --> 00:56:18,090

thank you you probably right Amanda and

1474

00:56:24,270 --> 00:56:22,510

so they released these files after a

1475

00:56:26,130 --> 00:56:24,280

flood of requests from enthusiasts and

1476  
00:56:28,080 --> 00:56:26,140  
conspiracy theorists to a convinced the

1477  
00:56:30,000 --> 00:56:28,090  
truth is out there Richard what is out

1478  
00:56:31,380 --> 00:56:30,010  
there well that surely is it's on that

1479  
00:56:33,780 --> 00:56:31,390  
weather balloon we saw you should trust

1480  
00:56:37,410 --> 00:56:33,790  
no one there's also another story of a

1481  
00:56:42,570 --> 00:56:37,420  
US fighter pilot who was scrambled to

1482  
00:56:44,880 --> 00:56:42,580  
intercept a UFO in East Anglia and he

1483  
00:56:47,310 --> 00:56:44,890  
after he fired at this mysterious split

1484  
00:56:50,040 --> 00:56:47,320  
it disappeared from him some radar so

1485  
00:56:52,230 --> 00:56:50,050  
clearly tired of it yes he was told to

1486  
00:56:53,880 --> 00:56:52,240  
scramble and he fired at it and it

1487  
00:56:55,740 --> 00:56:53,890  
doesn't he said the same guy who said it

1488  
00:56:59,250 --> 00:56:55,750

disappeared at 10 times the speed of

1489

00:57:01,550 --> 00:56:59,260

sound I didn't yeah hit a reply her

1490

00:57:03,510 --> 00:57:01,560

typically I heard it on the news this

1491

00:57:06,090 --> 00:57:03,520

American voice on the end of the phone

1492

00:57:07,890 --> 00:57:06,100

line yes it disappeared that few times

1493

00:57:10,380 --> 00:57:07,900

the speed of sound thinking that's

1494

00:57:11,640 --> 00:57:10,390

better gentlemen something you just say

1495

00:57:14,820 --> 00:57:11,650

off the top of your head isn't it his

1496

00:57:17,370 --> 00:57:14,830

name is Milton Torres he's a US Air

1497

00:57:19,770 --> 00:57:17,380

Force fighter pilot and he was based in

1498

00:57:22,200 --> 00:57:19,780

England at the time he's now living in

1499

00:57:24,420 --> 00:57:22,210

Florida yeah so I've been reading some

1500

00:57:26,310 --> 00:57:24,430

of the comments too because i did a

1501

00:57:28,590 --> 00:57:26,320

search videos on google and i got 75

1502

00:57:30,150 --> 00:57:28,600

hits just in the news section and there

1503

00:57:32,670 --> 00:57:30,160

are a lot of people commenting and most

1504

00:57:35,630 --> 00:57:32,680

of the comments are well this is this is

1505

00:57:37,250 --> 00:57:35,640

quite healthy interesting and it's funny

1506

00:57:39,740 --> 00:57:37,260

not a lot of people are saying that

1507

00:57:42,500 --> 00:57:39,750

they're believers and someone else has

1508

00:57:44,120 --> 00:57:42,510

said that in fact you can download all

1509

00:57:46,460 --> 00:57:44,130

these files for free from the Ministry

1510

00:57:47,420 --> 00:57:46,470

of Defence for a month and then after

1511

00:57:49,970 --> 00:57:47,430

that time they're going to start

1512

00:57:51,140 --> 00:57:49,980

charging for them so someone has said

1513

00:57:54,200 --> 00:57:51,150

that they're just trying to make money

1514

00:57:55,880 --> 00:57:54,210

out of it which you know wine on there

1515

00:57:58,220 --> 00:57:55,890

is actually a really interesting

1516

00:58:01,100 --> 00:57:58,230

collection of pictures that people have

1517

00:58:02,900 --> 00:58:01,110

submitted to the Ministry of Defence as

1518

00:58:05,240 --> 00:58:02,910

you know anecdotal evidence for what

1519

00:58:06,680 --> 00:58:05,250

they've seen the last interesting

1520

00:58:12,230 --> 00:58:06,690

article I found about this was a quite

1521

00:58:14,390 --> 00:58:12,240

funny and sarcastic article where the

1522

00:58:16,160 --> 00:58:14,400

reporter says that another report

1523

00:58:18,830 --> 00:58:16,170

includes the first-hand account of us

1524

00:58:21,770 --> 00:58:18,840

airport pilot at Air Force pilot that I

1525

00:58:23,840 --> 00:58:21,780

just mentioned and this reporter says

1526

00:58:26,090 --> 00:58:23,850

and I quote as of presstime no

1527

00:58:27,860 --> 00:58:26,100

confirmation was given as to whether or

1528

00:58:31,760 --> 00:58:27,870

not that Air Force pilot was Will Smith

1529

00:58:33,890 --> 00:58:31,770

or Harry Connick jr. so people are

1530

00:58:38,090 --> 00:58:33,900

having fun with it I have a story from

1531

00:58:40,280 --> 00:58:38,100

Kuala Lumpur a 19 year old Malaysian and

1532

00:58:42,290 --> 00:58:40,290

his two cousins have been charged with a

1533

00:58:45,200 --> 00:58:42,300

murder for allegedly beating to death

1534

00:58:47,630 --> 00:58:45,210

the young man's parents and a bizarre

1535

00:58:50,300 --> 00:58:47,640

ritual meant to cure them of the smoking

1536

00:58:54,110 --> 00:58:50,310

habit and other problems what did that

1537

00:58:57,290 --> 00:58:54,120

now my question is have they heard of

1538

00:58:59,120 --> 00:58:57,300

nicotine patches before I'm sure they

1539

00:59:02,210 --> 00:58:59,130

must have the equivalent of the quit

1540

00:59:04,880 --> 00:59:02,220

line in Malaysia that's pretty dramatic

1541

00:59:07,490 --> 00:59:04,890

so they were performing this is it a

1542

00:59:10,970 --> 00:59:07,500

ritual or what well that that's that's

1543

00:59:14,480 --> 00:59:10,980

right in Malaysia superstitious beliefs

1544

00:59:16,220 --> 00:59:14,490

a massive and in villages it's common

1545

00:59:19,700 --> 00:59:16,230

for people to seek help of spiritual

1546

00:59:22,220 --> 00:59:19,710

healers for mental or physical illnesses

1547

00:59:23,810 --> 00:59:22,230

and sometimes you don't know if you want

1548

00:59:26,210 --> 00:59:23,820

a laugh or cry and well that's pretty

1549

00:59:31,339 --> 00:59:26,220

sad and the prosecutor said that these

1550

00:59:34,570 --> 00:59:31,349

three have been charged the maximum

1551

00:59:37,940 --> 00:59:34,580

penalty for them is the death penalty so

1552

00:59:40,310 --> 00:59:37,950

everybody loses absolutely that's

1553

00:59:43,430 --> 00:59:40,320

terrible no you're right they must have

1554

00:59:45,829 --> 00:59:43,440

a quick line on something similar he's

1555

00:59:47,599 --> 00:59:45,839

pretty extreme it's pretty extreme but

1556

00:59:49,220 --> 00:59:47,609

it wasn't a religious ritual they just

1557

00:59:50,990 --> 00:59:49,230

they referred to it as a bizarre ritual

1558

00:59:52,370 --> 00:59:51,000

because of the nature of the know

1559

00:59:56,060 --> 00:59:52,380

they're involved with some type of

1560

00:59:58,120 --> 00:59:56,070

peculiar cold the details of that are

1561

01:00:00,620 --> 00:59:58,130

not particularly sure wrong but

1562

01:00:03,349 --> 01:00:00,630

apparently got out of hand and they

1563

01:00:06,620 --> 01:00:03,359

weren't supposed to kill the parents but

1564

01:00:08,660 --> 01:00:06,630

it just kind of eventuated now I'm going

1565

01:00:11,329 --> 01:00:08,670

to change that the the pace a little bit

1566

01:00:12,920 --> 01:00:11,339

now when we were in Adelaide a few

1567

01:00:14,270 --> 01:00:12,930

weekends ago for the Australian skeptics

1568

01:00:16,430 --> 01:00:14,280

National Convention which you would have

1569

01:00:20,540 --> 01:00:16,440

heard the interviews from earlier in

1570

01:00:22,579 --> 01:00:20,550

this episode Amanda Rachel and I and

1571

01:00:26,690 --> 01:00:22,589

collister just roll in a car traveling

1572

01:00:29,930 --> 01:00:26,700

towards the convention I know it's

1573

01:00:32,599 --> 01:00:29,940

coming and I had a little recorder with

1574

01:00:34,700 --> 01:00:32,609

me and I'll just play you now what

1575

01:00:37,910 --> 01:00:34,710

happened as we were driving down the

1576

01:00:40,099 --> 01:00:37,920

street not them on face what is this

1577

01:00:42,410 --> 01:00:40,109

this vehicle we're about the what oh

1578

01:00:44,060 --> 01:00:42,420

it's carrying glass so letters oh that

1579

01:00:47,259 --> 01:00:44,070

looks like part of a carnival ride it's

1580

01:01:08,690 --> 01:01:04,609

I don't dare change that Moses some kind

1581

01:01:10,609 --> 01:01:08,700

of tiny welcome to the think tank where

1582

01:01:13,309 --> 01:01:10,619

will you bring your camels for your

1583

01:01:16,160 --> 01:01:13,319

listening pleasure hey were scrambling

1584

01:01:19,460 --> 01:01:16,170

the camera often seem a bit right now

1585

01:01:20,809 --> 01:01:19,470

that we just passed a camel while he's

1586

01:01:23,000 --> 01:01:20,819

coming up behind we got the lights up

1587

01:01:26,029 --> 01:01:23,010

again sir maybe I've got making out so

1588

01:01:30,609 --> 01:01:26,039

he stops next to us we can yeah oh come

1589

01:01:37,329 --> 01:01:30,619

on we're still moving on to the left ear

1590

01:01:41,420 --> 01:01:37,339

here we go man welcome to easily amused

1591

01:01:43,819 --> 01:01:41,430

the driver because looking at okay there

1592

01:01:45,950 --> 01:01:43,829

are two camels right next three yeah

1593

01:01:55,819 --> 01:01:45,960

that's a port 22 cameras on a horse

1594

01:02:00,170 --> 01:01:55,829

there's a box of ducks as well take the

1595

01:02:03,319 --> 01:02:00,180

photograph we good now folks if you go

1596

01:02:04,849 --> 01:02:03,329

to skeptics own TV or to our Flickr page

1597

01:02:07,010 --> 01:02:04,859

you can actually see the camels we're

1598

01:02:11,360 --> 01:02:07,020

looking at

1599

01:02:13,910 --> 01:02:11,370

I'm they lovely I lay back bactrian

1600

01:02:15,800 --> 01:02:13,920

camels or drama do this once with two

1601  
01:02:19,190 --> 01:02:15,810  
humps and ones we've always looking at

1602  
01:02:22,700 --> 01:02:19,200  
you he's a lovely right there he goes on

1603  
01:02:24,440 --> 01:02:22,710  
it oh my camera always telling us I just

1604  
01:02:29,180 --> 01:02:24,450  
got his tongue out it just stepping on

1605  
01:02:31,420 --> 01:02:29,190  
the brakes pyramid so the last time I

1606  
01:02:34,970 --> 01:02:31,430  
saw camels was I was at the pyramids

1607  
01:02:36,380 --> 01:02:34,980  
that's why Cairo oh my god I've never

1608  
01:02:37,490 --> 01:02:36,390  
been to Egypt I'm they wouldn't have

1609  
01:02:39,800 --> 01:02:37,500  
been on the back of the truck though

1610  
01:02:43,820 --> 01:02:39,810  
they know they were men with machine

1611  
01:02:46,100 --> 01:02:43,830  
guns on the back of him oh that's that's

1612  
01:02:48,290 --> 01:02:46,110  
definitely the way the writing heavily

1613  
01:02:50,030 --> 01:02:48,300

armed and ready for action well we're

1614

01:02:52,100 --> 01:02:50,040

nearly at the convention now so on that

1615

01:02:53,870 --> 01:02:52,110

note of the camels and ducks we were

1616

01:02:55,970 --> 01:02:53,880

heavily armed and ready for action every

1617

01:02:58,690 --> 01:02:55,980

Australian national convention here in

1618

01:03:01,370 --> 01:02:58,700

adelaide it's bye-bye from the special

1619

01:03:09,830 --> 01:03:01,380

lighting a t-shape driving camel

1620

01:03:13,370 --> 01:03:09,840

additional think so there you go I'll

1621

01:03:16,400 --> 01:03:13,380

under easily mmm on there was about two

1622

01:03:18,260 --> 01:03:16,410

ducks I got ammo here dr. King a nice

1623

01:03:19,850 --> 01:03:18,270

drop that was the funniest thing I

1624

01:03:21,980 --> 01:03:19,860

mean to see one cattle then to realize

1625

01:03:25,100 --> 01:03:21,990

they were two and then to see there's a

1626

01:03:27,980 --> 01:03:25,110

Shetland ponies and then to find a box

1627

01:03:31,100 --> 01:03:27,990

of ducks that was just it doesn't happen

1628

01:03:33,440 --> 01:03:31,110

every day it does an Adelaide strangely

1629

01:03:35,329 --> 01:03:33,450

enough it happens to acid things

1630

01:03:40,460 --> 01:03:35,339

well I've got a story which is quite

1631

01:03:42,079 --> 01:03:40,470

upsetting this is a story that is based

1632

01:03:45,130 --> 01:03:42,089

in Western Australia here and it was it

1633

01:03:47,540 --> 01:03:45,140

it's around it's about a serial killer

1634

01:03:49,730 --> 01:03:47,550

who has been come known as the

1635

01:03:51,290 --> 01:03:49,740

Clairemont killer oh yes he committed

1636

01:03:55,579 --> 01:03:51,300

most of his crimes in a suburb of

1637

01:03:59,000 --> 01:03:55,589

Western Australia called Clermont now

1638

01:04:02,000 --> 01:03:59,010

this story has been going around since

1639

01:04:06,020 --> 01:04:02,010

1996 because a girl by the name of Sarah

1640

01:04:08,480 --> 01:04:06,030

Spears disappeared back in January 1996

1641

01:04:11,050 --> 01:04:08,490

and her father had reason to come out to

1642

01:04:14,660 --> 01:04:11,060

the press quite a few times recently

1643

01:04:17,060 --> 01:04:14,670

because he reported that up to 400

1644

01:04:18,770 --> 01:04:17,070

psychics and clairvoyants from across

1645

01:04:22,819 --> 01:04:18,780

the world had contacted him since his

1646

01:04:25,310 --> 01:04:22,829

daughter disappeared and he says how he

1647

01:04:27,079 --> 01:04:25,320

felt harassed he described how he

1648

01:04:29,480 --> 01:04:27,089

followed a chronic depression because of

1649

01:04:31,250 --> 01:04:29,490

this harassment by clairvoyance who

1650

01:04:35,000 --> 01:04:31,260

demanded money to help find his daughter

1651

01:04:36,410 --> 01:04:35,010

and he has been reluctant to speak to

1652

01:04:38,180 --> 01:04:36,420

the media up until this point but

1653

01:04:40,780 --> 01:04:38,190

yesterday he said that his emotional and

1654

01:04:43,880 --> 01:04:40,790

mental trauma had cost him to come out

1655

01:04:46,520 --> 01:04:43,890

and his he said that they hounded me to

1656

01:04:49,130 --> 01:04:46,530

death I've been getting it every day it

1657

01:04:50,630 --> 01:04:49,140

was just an onslaught they were telling

1658

01:04:52,940 --> 01:04:50,640

me all sorts of things that give me

1659

01:04:55,220 --> 01:04:52,950

cryptic clues they had my emotions on a

1660

01:04:57,260 --> 01:04:55,230

roller coaster and I can't understand

1661

01:04:58,849 --> 01:04:57,270

why anyone would do this to me in the

1662

01:05:01,309 --> 01:04:58,859

situation I was in it just made it worse

1663

01:05:03,680 --> 01:05:01,319

well that's what we normally we hear you

1664

01:05:05,210 --> 01:05:03,690

know I think these people are probably

1665

01:05:07,579 --> 01:05:05,220

well meaning or maybe not but they're

1666

01:05:08,240 --> 01:05:07,589

deluded well they certainly are deluded

1667

01:05:09,650 --> 01:05:08,250

but in this case

1668

01:05:11,810 --> 01:05:09,660

I wouldn't say that they would be well

1669

01:05:13,520 --> 01:05:11,820

meaning if they're asking for money all

1670

01:05:15,530 --> 01:05:13,530

right they are saying to him they want

1671

01:05:16,910 --> 01:05:15,540

money yeah first is there so if they're

1672

01:05:18,800 --> 01:05:16,920

well-meaning why weren't they do it just

1673

01:05:20,210 --> 01:05:18,810

to help him without remuneration out of

1674

01:05:23,060 --> 01:05:20,220

the goodness of their heart that's right

1675

01:05:26,120 --> 01:05:23,070

but a couple of days ago some this there

1676

01:05:27,710 --> 01:05:26,130

was an additional arm to this story when

1677

01:05:30,170 --> 01:05:27,720

a group of these psychics got together

1678

01:05:31,400 --> 01:05:30,180

at an event at a casino in Western

1679

01:05:36,350 --> 01:05:31,410

Australia and they're calling themselves

1680

01:05:38,990 --> 01:05:36,360

a psychic task force and they claimed

1681

01:05:41,600 --> 01:05:39,000

that they have put together an identical

1682

01:05:42,800 --> 01:05:41,610

image of the man that is known as the

1683

01:05:45,890 --> 01:05:42,810

Clermont serial killer because obviously

1684

01:05:47,390 --> 01:05:45,900

he hasn't been caught yet and at the

1685

01:05:49,190 --> 01:05:47,400

event the psychic showed the audience an

1686

01:05:50,780 --> 01:05:49,200

identical image which they believed to

1687

01:05:54,650 --> 01:05:50,790

be him they claimed his now aged between

1688

01:05:56,660 --> 01:05:54,660

35 and 40 and police have declined to

1689

01:05:59,570 --> 01:05:56,670

comment on the psychic screams but they

1690

01:06:02,690 --> 01:05:59,580

say they consider them inaccurate and

1691

01:06:04,400 --> 01:06:02,700

damaging to the investigation and now

1692

01:06:07,010 --> 01:06:04,410

mr. Spears who's the daughter of Sarah

1693

01:06:08,900 --> 01:06:07,020

who disappeared in 1996 has said

1694

01:06:11,360 --> 01:06:08,910

psychics just want to make money from

1695

01:06:12,980 --> 01:06:11,370

other people's grief and misfortune it

1696

01:06:14,540 --> 01:06:12,990

upsets me that they are still trying to

1697

01:06:16,160 --> 01:06:14,550

gain from the death of my daughter and

1698

01:06:18,290 --> 01:06:16,170

the other girls after all these years

1699

01:06:19,820 --> 01:06:18,300

it's crazy isn't it and the newspaper

1700

01:06:22,370 --> 01:06:19,830

gave this prominence what about if a

1701

01:06:24,590 --> 01:06:22,380

group of plumbers got together you came

1702

01:06:26,120 --> 01:06:24,600

up with an identikit it just makes as

1703

01:06:28,130 --> 01:06:26,130

much sense as people who call themselves

1704

01:06:31,310 --> 01:06:28,140

psychics because psychics have as much

1705

01:06:33,320 --> 01:06:31,320

psychic ability as a car we've seen I

1706

01:06:34,880 --> 01:06:33,330

mean the coverage of it was negative the

1707

01:06:37,130 --> 01:06:34,890

way I thought about the side in the

1708

01:06:40,310 --> 01:06:37,140

media it was yes yes I mean they were

1709

01:06:43,100 --> 01:06:40,320

referred to in this article by by mr.

1710

01:06:44,480 --> 01:06:43,110

Spears as shysters and interestingly the

1711

01:06:46,100 --> 01:06:44,490

last line of the article says the

1712

01:06:48,150 --> 01:06:46,110

psychics involved in the event could not

1713

01:06:50,490 --> 01:06:48,160

be contacted for Tom

1714

01:06:52,559 --> 01:06:50,500

and they did this in a casino right they

1715

01:06:54,299 --> 01:06:52,569

didn't all walk away with the money I

1716

01:06:56,460 --> 01:06:54,309

don't they didn't all go then to the

1717

01:06:58,559 --> 01:06:56,470

blackjack tables and the roulette tables

1718

01:06:59,880 --> 01:06:58,569

well I guess they could have but perhaps

1719

01:07:01,230 --> 01:06:59,890

they don't want to take advantage of

1720

01:07:03,029 --> 01:07:01,240

people which of their just there to help

1721

01:07:04,559 --> 01:07:03,039

us yeah they're not gonna make money off

1722

01:07:06,180 --> 01:07:04,569

there I don't want to make money on so

1723

01:07:08,400 --> 01:07:06,190

he heard that they're not doing it

1724

01:07:10,950 --> 01:07:08,410

that's why I can't do Randy's lily and

1725

01:07:12,210 --> 01:07:10,960

all the hundred grand yeah strike if

1726

01:07:14,309 --> 01:07:12,220

they're not in it for the money in it

1727

01:07:17,309 --> 01:07:14,319

for the money no no no I just meant to

1728

01:07:19,559 --> 01:07:17,319

help me speaking of psychics yeah I'd

1729

01:07:21,930 --> 01:07:19,569

like to introduce to everyone the

1730

01:07:24,329 --> 01:07:21,940

journal of women's day Wow look at that

1731

01:07:26,460 --> 01:07:24,339

what is woman's day Rachel for those

1732

01:07:32,250 --> 01:07:26,470

people who live on Mars and may not have

1733

01:07:34,349 --> 01:07:32,260

heard of it okay woman's day yes I'm not

1734

01:07:36,420 --> 01:07:34,359

going to touch that one use you can link

1735

01:07:39,359 --> 01:07:36,430

to Mars in America and the same breath

1736

01:07:41,490 --> 01:07:39,369

you can edit that out Richard please um

1737

01:07:45,720 --> 01:07:41,500

women's day is a highly credible

1738

01:07:47,640 --> 01:07:45,730

incredibly informative and all-round

1739

01:07:49,319 --> 01:07:47,650

really good woman's magazine and comes

1740

01:07:51,000 --> 01:07:49,329

out in colorful too much it's very

1741

01:07:53,250 --> 01:07:51,010

painful this week isn't it pink and

1742

01:07:55,680 --> 01:07:53,260

yellow it comes out once a week and it

1743

01:08:00,029 --> 01:07:55,690

covers such important issues as all

1744

01:08:01,980 --> 01:08:00,039

Marcia Brady my secret drug he'll also

1745

01:08:03,750 --> 01:08:01,990

oh it's official inside Madonna's

1746

01:08:04,859 --> 01:08:03,760

divorce I'm bringing this notable

1747

01:08:06,599 --> 01:08:04,869

journal to your attention Richard

1748

01:08:10,019 --> 01:08:06,609

because recently this notable journal

1749

01:08:11,819 --> 01:08:10,029

has got a brand new column it's the John

1750

01:08:14,039 --> 01:08:11,829

Edwards psychic common the John Edward

1751

01:08:16,110 --> 01:08:14,049

John Edward is now writing for The

1752

01:08:18,240 --> 01:08:16,120

Journal of woman's day but yeah his

1753

01:08:19,829 --> 01:08:18,250

column appears on page 105 so it's right

1754

01:08:21,419 --> 01:08:19,839

at the back of the journal so like

1755

01:08:27,419 --> 01:08:21,429

numerology or something well have a

1756

01:08:32,609 --> 01:08:29,729

he does a little bit doesn't mean ya

1757

01:08:34,739 --> 01:08:32,619

know his column is about putting you in

1758

01:08:36,719 --> 01:08:34,749

touch with your depart at once which you

1759

01:08:39,390 --> 01:08:36,729

know is his a specialty is crossing over

1760

01:08:41,989 --> 01:08:39,400

wood so basically what you do is you

1761

01:08:44,399 --> 01:08:41,999

write to learn magazine and you send in

1762

01:08:47,549 --> 01:08:44,409

the name of the person you'd like to

1763

01:08:49,919 --> 01:08:47,559

contact wit and you just have to say

1764

01:08:52,469 --> 01:08:49,929

what relation they are T whether they're

1765

01:08:56,160 --> 01:08:52,479

a friend the child a husband and he will

1766

01:08:57,989 --> 01:08:56,170

can connect with them cross over with

1767

01:08:59,789 --> 01:08:57,999

them and tell you what they are they're

1768

01:09:01,859 --> 01:08:59,799

going but you'll be interested to know

1769

01:09:03,599 --> 01:09:01,869

this Richard this this column is budding

1770

01:09:06,239 --> 01:09:03,609

up right next to the column from dead

1771

01:09:08,309 --> 01:09:06,249

Weber now you know Deborah don't you

1772

01:09:10,709 --> 01:09:08,319

agent I've never I've never met dev

1773

01:09:12,870 --> 01:09:10,719

Weber but I do know her cousins so

1774

01:09:14,579 --> 01:09:12,880

that's close enough we know of her I

1775

01:09:16,499 --> 01:09:14,589

know she's notorious isn't she she's

1776

01:09:18,779 --> 01:09:16,509

infamous and she's been appearing on a

1777

01:09:21,539 --> 01:09:18,789

show called sensing murder dancing

1778

01:09:23,160 --> 01:09:21,549

ratings yes yes which is this where they

1779

01:09:25,199 --> 01:09:23,170

get a whole lot of psychic detectives

1780

01:09:27,120 --> 01:09:25,209

together to go out and solve crime I'm

1781

01:09:28,709 --> 01:09:27,130

sorry they get a whole lot of people who

1782

01:09:31,199 --> 01:09:28,719

think they're psychic or no they're not

1783

01:09:32,759 --> 01:09:31,209

and they don't solve crimes the funny

1784

01:09:34,140 --> 01:09:32,769

thing is you know I've watched a few of

1785

01:09:35,939 --> 01:09:34,150

these shows and it's always the same

1786

01:09:37,709 --> 01:09:35,949

thing they get them close to the site

1787

01:09:40,079 --> 01:09:37,719

where the murder purportedly occurred

1788

01:09:41,969 --> 01:09:40,089

which is you know on police record and

1789

01:09:43,379 --> 01:09:41,979

they all start shaking and getting all

1790

01:09:45,749 --> 01:09:43,389

nervous and going I can't be here

1791

01:09:47,789 --> 01:09:45,759

anymore it's too much for me but every

1792

01:09:50,509 --> 01:09:47,799

single episode I've seen at the end it

1793

01:09:53,699 --> 01:09:50,519

says this this crime remains unsolved

1794

01:09:55,949 --> 01:09:53,709

every single one you know so what are

1795

01:09:58,529 --> 01:09:55,959

they doing they're getting readings yeah

1796

01:10:00,000 --> 01:09:58,539

but let me just really one thing if

1797

01:10:02,549 --> 01:10:00,010

there are four pages in this some

1798

01:10:04,439 --> 01:10:02,559

journal of woman's day most of which are

1799

01:10:06,449 --> 01:10:04,449

ads for psych excuse so ring this number

1800

01:10:10,820 --> 01:10:06,459

pay five dollars fifty in a minute

1801  
01:10:15,890 --> 01:10:13,970  
and an allegedly does help solve crimes

1802  
01:10:17,710 --> 01:10:15,900  
she's what she says she does and now

1803  
01:10:20,600 --> 01:10:17,720  
she's going to help uncover your secrets

1804  
01:10:23,810 --> 01:10:20,610  
so I'd rather to stick to solving crimes

1805  
01:10:25,040 --> 01:10:23,820  
well I would too but she's she just

1806  
01:10:27,380 --> 01:10:25,050  
wants to help people Richard like the

1807  
01:10:28,640 --> 01:10:27,390  
ones we talked about earlier so I was

1808  
01:10:31,490 --> 01:10:28,650  
scrolling through this and it's just the

1809  
01:10:33,350 --> 01:10:31,500  
normal stuff of you know will my will my

1810  
01:10:35,720 --> 01:10:33,360  
dog come home tomorrow or will I get a

1811  
01:10:38,150 --> 01:10:35,730  
job in the place I want to get a job in

1812  
01:10:41,960 --> 01:10:38,160  
and then I found this one entitled

1813  
01:10:43,940 --> 01:10:41,970

outrageous claim the question is my

1814

01:10:46,370 --> 01:10:43,950

mother-in-law has accused me of sexually

1815

01:10:48,920 --> 01:10:46,380

interfering with my stepson how do I

1816

01:10:52,240 --> 01:10:48,930

handle this false accusation signed

1817

01:10:56,000 --> 01:10:52,250

accused you want to hear the answer no

1818

01:10:58,070 --> 01:10:56,010

go on the answer is she is eventually

1819

01:11:00,350 --> 01:10:58,080

going to get caught out so please ignore

1820

01:11:03,290 --> 01:11:00,360

her this is not the first time she has

1821

01:11:05,750 --> 01:11:03,300

done this this is pretty serious

1822

01:11:08,800 --> 01:11:05,760

allegations being thrown around here yes

1823

01:11:11,660 --> 01:11:08,810

well it is the journal of women's day um

1824

01:11:14,180 --> 01:11:11,670

yeah so this person has been accused of

1825

01:11:16,700 --> 01:11:14,190

interfering with with us his stepson and

1826

01:11:19,030 --> 01:11:16,710

she's saying well some others lying she

1827

01:11:24,040 --> 01:11:19,040

does it all the time or her

1828

01:11:26,260 --> 01:11:24,050

well yeah it could be better at I think

1829

01:11:29,380 --> 01:11:26,270

this is very appropriate to be dealt

1830

01:11:31,900 --> 01:11:29,390

with and or printed man what is more or

1831

01:11:34,600 --> 01:11:31,910

less a glorified agony on column yes

1832

01:11:38,140 --> 01:11:34,610

indeed here but you do feel sorry for

1833

01:11:43,210 --> 01:11:38,150

the people that turn to these psychics

1834

01:11:45,880 --> 01:11:43,220

and you do feel some sympathy mmm and

1835

01:11:48,340 --> 01:11:45,890

these hucksters are taking their money

1836

01:11:50,260 --> 01:11:48,350

yeah spitting out just garbled nonsense

1837

01:11:53,080 --> 01:11:50,270

and it's interesting that these a

1838

01:11:54,670 --> 01:11:53,090

magazine like this which is for women if

1839

01:11:57,370 --> 01:11:54,680

you think that somewhere in the back of

1840

01:11:59,560 --> 01:11:57,380

the people's minds they're thinking they

1841

01:12:01,150 --> 01:11:59,570

know this is rubbish well look i like i

1842

01:12:02,290 --> 01:12:01,160

like to think about you know flick

1843

01:12:04,090 --> 01:12:02,300

through it and read it and they read

1844

01:12:07,030 --> 01:12:04,100

that with the same seriousness that they

1845

01:12:12,430 --> 01:12:07,040

read you know Madonna's best friend

1846

01:12:14,860 --> 01:12:12,440

tells all you know sources claim cases

1847

01:12:17,800 --> 01:12:14,870

in some cases which doesn't make it any

1848

01:12:20,840 --> 01:12:17,810

better but so from the bowels here of

1849

01:12:23,120 --> 01:12:20,850

our favorite club down the street and

1850

01:12:24,800 --> 01:12:23,130

we might go upstairs and see if there's

1851

01:12:27,250 --> 01:12:24,810

anything left to winning the raffle a

1852

01:12:30,350 --> 01:12:27,260

oars all of our madness by doling it out

1853

01:12:32,690 --> 01:12:30,360

so we got dirty looks from the Nana if

1854

01:12:34,880 --> 01:12:32,700

you want if you want the think tank team

1855

01:12:37,070 --> 01:12:34,890

to discuss any items of interest you can

1856

01:12:39,830 --> 01:12:37,080

write to us if you go to the about Us

1857

01:12:42,020 --> 01:12:39,840

page on skeptics earned TV write to us

1858

01:12:43,910 --> 01:12:42,030

and don't forget to check the blog where

1859

01:12:46,510 --> 01:12:43,920

we will put all the links to met things

1860

01:12:49,340 --> 01:12:46,520

we mentioned during this think tank and

1861

01:12:52,400 --> 01:12:49,350

we'll see you we won't see you in fact

1862

01:13:10,950 --> 01:12:52,410

that you'll hear us in two weeks so it's

1863

01:13:16,480 --> 01:13:14,200

Richard another spectacular zone has

1864

01:13:18,460 --> 01:13:16,490

come to a close oh what a pity I was

1865

01:13:20,410 --> 01:13:18,470

just getting so zoned into the zone and

1866

01:13:22,540 --> 01:13:20,420

how its zoning out earning out when

1867

01:13:24,760 --> 01:13:22,550

something I feel plate what a legend he

1868

01:13:26,590 --> 01:13:24,770

is he that was a lot of fun phil was was

1869

01:13:29,350 --> 01:13:26,600

great and if you look at the photographs

1870

01:13:31,000 --> 01:13:29,360

on the on the website you'll see that

1871

01:13:34,360 --> 01:13:31,010

Phil and I were actually wearing feather

1872

01:13:36,460 --> 01:13:34,370

boas during that talk nicely but what's

1873

01:13:39,480 --> 01:13:36,470

where we've agus was it no that was

1874

01:13:42,640 --> 01:13:39,490

Atlanta Georgia right okay fair enough

1875

01:13:44,440 --> 01:13:42,650

you didn't mention UFO so Delia about

1876

01:13:45,910 --> 01:13:44,450

getting if earth could just get blown up

1877

01:13:47,230 --> 01:13:45,920

by aliens or something what do you think

1878

01:13:48,760 --> 01:13:47,240

stuff do you think it's fine I don't

1879

01:13:50,560 --> 01:13:48,770

know well I saw Mars Attacks the other

1880

01:13:53,050 --> 01:13:50,570

day that is in the rain documentary it

1881

01:13:54,850 --> 01:13:53,060

is it is really good that's the

1882

01:13:57,670 --> 01:13:54,860

government suppress that from the news

1883

01:13:59,410 --> 01:13:57,680

ladies brave documentary makers is this

1884

01:14:01,690 --> 01:13:59,420

phenomenal but it's funny because last

1885

01:14:04,270 --> 01:14:01,700

week or a couple weeks ago was supposed

1886

01:14:07,420 --> 01:14:04,280

to be the official day that aliens were

1887

01:14:09,100 --> 01:14:07,430

always uses for saying that and I was

1888

01:14:11,530 --> 01:14:09,110

actually really hoping that they would

1889

01:14:13,990 --> 01:14:11,540

you know wouldn't it be great if they

1890

01:14:15,280 --> 01:14:14,000

need and the day came and we internet

1891

01:14:17,650 --> 01:14:15,290

nothing happened it was really

1892

01:14:19,930 --> 01:14:17,660

disappointing movie next time yeah I'm

1893

01:14:21,880 --> 01:14:19,940

still holding out hope but but don't

1894

01:14:24,010 --> 01:14:21,890

fear not fear not even if the aliens

1895

01:14:25,900 --> 01:14:24,020

invade we will have another skeptic zone

1896

01:14:29,020 --> 01:14:25,910

in two weeks time and this is our

1897

01:14:32,320 --> 01:14:29,030

creation special Wow yeah we're going to

1898

01:14:35,380 --> 01:14:32,330

be interviewing doctor Eugenie Scott

1899

01:14:38,890 --> 01:14:35,390

yeah in America there I visited her

1900

01:14:41,680 --> 01:14:38,900

Center for Science Education excellent

1901

01:14:43,480 --> 01:14:41,690

in calif easily involved in the whole

1902

01:14:46,000 --> 01:14:43,490

creation is sort of intelligent design

1903

01:14:48,580 --> 01:14:46,010

tonight oh absolutely she's in there

1904

01:14:49,630 --> 01:14:48,590

batting for the good job anyway batting

1905

01:14:51,910 --> 01:14:49,640

for their spelling for this I

1906

01:14:54,060 --> 01:14:51,920

intelligent designers I'll sorry sorry

1907

01:14:57,430 --> 01:14:54,070

sorry battling for the scientists sorry

1908

01:14:59,320 --> 01:14:57,440

and we also have an interview with dr.

1909

01:15:01,850 --> 01:14:59,330

Paul Willis who you might know from the

1910

01:15:04,070 --> 01:15:01,860

ABC I've met he came in did

1911

01:15:06,169 --> 01:15:04,080

a long long time ago we had a great old

1912

01:15:07,280 --> 01:15:06,179

charity didn't paleontologist bit of a

1913

01:15:08,840 --> 01:15:07,290

bit of a happening dude you'll be

1914

01:15:11,629 --> 01:15:08,850

talking about his adventures with these

1915

01:15:14,180 --> 01:15:11,639

funny old funny people call creations

1916

01:15:16,430 --> 01:15:14,190

it's going to be another fun show but

1917

01:15:17,899 --> 01:15:16,440

today was a lot of fun by the way thanks

1918

01:15:20,570 --> 01:15:17,909

for downloading thanks for listening and

1919

01:15:22,820 --> 01:15:20,580

hey why don't just rewind have no listen

1920

01:15:24,680 --> 01:15:22,830

just for fun just do it just do it and

1921

01:15:26,180 --> 01:15:24,690

I'll see you in two weeks seven yeah

1922

01:15:31,070 --> 01:15:26,190

it's been great we'll see you again

1923

01:15:34,030 --> 01:15:31,080

thanks Richard you've been listening to

1924

01:15:37,970 --> 01:15:34,040

the skeptic zone visit our website at

1925

01:15:45,100 --> 01:15:37,980

wwc a petting zoo TV for comments

1926

01:15:45,110 --> 01:15:53,740

me