

Show 499

**THE
SKEPTIC
ZONE
PODCAST**

www.skepticzone.tv

13 May 2018



Dr Pamela Gay

**Stars, Galaxies, Comets and news
from Space with Dr Pamela Gay**

**Heidi Robertson investigates
amazing health claims**

**Skeptic Zone listeners come
to the aid of science**

"Psychic Detectives" find nothing



Heidi Robertson

1
00:00:09,080 --> 00:00:05,920

[Music]

2
00:00:13,910 --> 00:00:09,090

welcome to the skeptic zone the podcast

3
00:00:16,840 --> 00:00:13,920

from Australia for science and reason

4
00:00:23,170 --> 00:00:16,850

[Applause]

5
00:00:26,300 --> 00:00:23,180

[Music]

6
00:00:28,850 --> 00:00:26,310

yes it's the skipping zone podcast the

7
00:00:32,210 --> 00:00:28,860

last skeptic zone podcast that are

8
00:00:37,040 --> 00:00:32,220

starting with a four episode four nine

9
00:00:39,770 --> 00:00:37,050

nine the last in the 400 series for the

10
00:00:42,079 --> 00:00:39,780

13th of May 2018 Richard Saunders here

11
00:00:45,860 --> 00:00:42,089

with you from a wintery believe it or

12
00:00:47,540 --> 00:00:45,870

not a windy cold rainy wintery Sydney

13
00:00:50,299 --> 00:00:47,550

Australia no though it's not quite

14

00:00:52,250 --> 00:00:50,309

winter yet coming up at the top of the

15

00:00:55,279 --> 00:00:52,260

show what a treat an interview with my

16

00:00:57,860 --> 00:00:55,289

old friend dr. Pamela gay the fabulous

17

00:00:59,630 --> 00:00:57,870

astronomer the astronomer extraordinaire

18

00:01:02,869 --> 00:00:59,640

I call her once

19

00:01:04,639 --> 00:01:02,879

Pamela been up - what news is there from

20

00:01:07,190 --> 00:01:04,649

space there's always a news from space

21

00:01:10,820 --> 00:01:07,200

and always a delight to catch up with

22

00:01:12,859 --> 00:01:10,830

Pamela gay and I'm also delighted to say

23

00:01:14,560 --> 00:01:12,869

she'll be in Sydney Australia later in

24

00:01:16,609 --> 00:01:14,570

the year more news about that soon

25

00:01:20,199 --> 00:01:16,619

Pamela tells us what's happening out

26
00:01:24,699 --> 00:01:20,209
there in the heavens and news of some

27
00:01:26,960 --> 00:01:24,709
incredible video from the planet Jupiter

28
00:01:29,680 --> 00:01:26,970
following that it's the raw skeptic

29
00:01:35,229 --> 00:01:29,690
Heidi Robertson she's going to be

30
00:01:39,800 --> 00:01:35,239
examining the interesting claims of a

31
00:01:42,800 --> 00:01:39,810
self-proclaimed natural healer wait till

32
00:01:45,650 --> 00:01:42,810
you hear the claims this guy makes do

33
00:01:47,900 --> 00:01:45,660
they stack up I won't give you any

34
00:01:49,669 --> 00:01:47,910
spoilers you'll have to listen to the

35
00:01:53,779 --> 00:01:49,679
raw skeptic report coming up a bit later

36
00:01:55,430 --> 00:01:53,789
on in the show then we think we thank a

37
00:01:57,559 --> 00:01:55,440
lot of people who have come to the aid

38
00:01:59,389 --> 00:01:57,569

of science a couple of weeks ago I put

39

00:02:01,699 --> 00:01:59,399

out a shout out on the sceptic zone for

40

00:02:03,410 --> 00:02:01,709

people to help capture web pages well

41

00:02:06,949 --> 00:02:03,420

that whole project has been very

42

00:02:09,949 --> 00:02:06,959

successful and we'll be letting you know

43

00:02:11,839 --> 00:02:09,959

what's happening a bit later on then to

44

00:02:14,240 --> 00:02:11,849

round off the show I'm going to revisit

45

00:02:17,390 --> 00:02:14,250

a story I mentioned briefly all about a

46

00:02:20,630 --> 00:02:17,400

month or two back the case of Jared

47

00:02:23,210 --> 00:02:20,640

cassette the so-called psychic detective

48

00:02:25,490 --> 00:02:23,220

who came to Australia in order to find

49

00:02:28,960 --> 00:02:25,500

missing children this is way back in the

50

00:02:32,800 --> 00:02:28,970

1960s now I gave you a brief

51
00:02:34,690 --> 00:02:32,810
overview of this case today I thought I

52
00:02:36,490 --> 00:02:34,700
would read you my full report as

53
00:02:38,260 --> 00:02:36,500
published in the pages of the skeptic

54
00:02:40,150 --> 00:02:38,270
magazine the journal from Australian

55
00:02:42,100 --> 00:02:40,160
skeptics not to be confused with any

56
00:02:45,160 --> 00:02:42,110
other magazine around the world with the

57
00:02:48,190 --> 00:02:45,170
title skeptic in it this is the skeptic

58
00:02:50,260 --> 00:02:48,200
magazine from Australia and you can

59
00:02:52,270 --> 00:02:50,270
subscribe it skeptics calm today you

60
00:02:55,030 --> 00:02:52,280
however I thought you might enjoy

61
00:02:56,050 --> 00:02:55,040
hopefully my full report about this

62
00:02:58,870 --> 00:02:56,060
so-called

63
00:03:01,900 --> 00:02:58,880

psychic detective way back in the 1960s

64

00:03:02,320 --> 00:03:01,910

an interesting case and a lesson for us

65

00:03:05,500 --> 00:03:02,330

all

66

00:03:07,420 --> 00:03:05,510

now some little notes from me don't

67

00:03:10,050 --> 00:03:07,430

forget there are some skeptical

68

00:03:13,360 --> 00:03:10,060

conventions coming up soon in fact

69

00:03:16,449 --> 00:03:13,370

skeptic owl convention conference at

70

00:03:20,680 --> 00:03:16,459

Berkeley is weeks away

71

00:03:23,080 --> 00:03:20,690

in early June I'll put a link to this on

72

00:03:25,420 --> 00:03:23,090

the show notes that said 10th of June in

73

00:03:28,330 --> 00:03:25,430

Berkeley I will be speaking there while

74

00:03:30,490 --> 00:03:28,340

taking part or hanging around or making

75

00:03:32,230 --> 00:03:30,500

a nuisance of myself or doing something

76

00:03:34,780 --> 00:03:32,240

I'll be there if you're coming along

77

00:03:36,699 --> 00:03:34,790

it'd be great to see you and I have a

78

00:03:39,780 --> 00:03:36,709

note from the organizers saying that

79

00:03:43,660 --> 00:03:39,790

early registration early registration

80

00:03:46,090 --> 00:03:43,670

will be ending soon so if you want to

81

00:03:49,380 --> 00:03:46,100

get your tickets

82

00:03:53,080 --> 00:03:49,390

now's the time to do it so quickly click

83

00:03:56,530 --> 00:03:53,090

sceptical calm calm and snap up those

84

00:03:58,449 --> 00:03:56,540

early registration tickets also I think

85

00:04:00,370 --> 00:03:58,459

there is still time for you if you're in

86

00:04:03,699 --> 00:04:00,380

Sydney to sign up for the Australian

87

00:04:08,229 --> 00:04:03,709

sceptics vaccination day this is May the

88

00:04:11,050 --> 00:04:08,239

19th if you want to come along and have

89

00:04:16,270 --> 00:04:11,060

your vaccinations done by the fabulously

90

00:04:18,190 --> 00:04:16,280

famous doctor Brad Makai known on TV and

91

00:04:21,039 --> 00:04:18,200

radio he's one of the doctors in the

92

00:04:25,659 --> 00:04:21,049

Australian version of embarrassing

93

00:04:27,940 --> 00:04:25,669

bodies that TV show where medical

94

00:04:30,880 --> 00:04:27,950

science comes to the aid of people who

95

00:04:34,300 --> 00:04:30,890

have genuine medical problems and need

96

00:04:36,969 --> 00:04:34,310

urgent help anyway the details about

97

00:04:39,159 --> 00:04:36,979

that day can be found at skeptics calm

98

00:04:41,170 --> 00:04:39,169

today you if you're a Sydneysider and

99

00:04:42,559 --> 00:04:41,180

you'd like to get your flu shot next

100

00:04:45,019 --> 00:04:42,569

weekend in fact

101
00:04:47,570 --> 00:04:45,029
that out well that's enough for me at

102
00:04:48,980 --> 00:04:47,580
the moment I've shut the studio door

103
00:04:50,450 --> 00:04:48,990
however there are a couple of cats

104
00:04:51,350 --> 00:04:50,460
outside wondering what the hell I'm

105
00:05:01,850 --> 00:04:51,360
doing in here

106
00:05:04,179 --> 00:05:01,860
alright hang on you okay it's Henrietta

107
00:05:09,139 --> 00:05:04,189
she's sticking her nose in the door yes

108
00:05:09,919 --> 00:05:09,149
well you wanted to come in she's changed

109
00:05:12,260 --> 00:05:09,929
her mind

110
00:05:16,579 --> 00:05:12,270
well now the doors open I'm going to run

111
00:05:23,230 --> 00:05:16,589
downstairs and make myself a zucchini or

112
00:05:27,589 --> 00:05:23,240
courgette and corn fritter with some

113
00:05:29,899 --> 00:05:27,599

cream on top and pepper and a little bit

114

00:05:31,360 --> 00:05:29,909

of hot sauce while I do that I hope you

115

00:05:48,600 --> 00:05:31,370

enjoy the skeptic sir

116

00:05:53,790 --> 00:05:51,010

joining me now all the way from it would

117

00:05:56,410 --> 00:05:53,800

fill Illinois is the astronomer

118

00:06:00,610 --> 00:05:56,420

extraordinaire dr. Pamela gay hello

119

00:06:02,590 --> 00:06:00,620

Pamela hello Richard Pamela wonderful to

120

00:06:04,120 --> 00:06:02,600

see you and yes yes we are looking at

121

00:06:07,630 --> 00:06:04,130

each other through an application I've

122

00:06:10,420 --> 00:06:07,640

not used before called zoom and we just

123

00:06:13,360 --> 00:06:10,430

did a wonderful hour together on the

124

00:06:17,260 --> 00:06:13,370

twitch network now what can you tell my

125

00:06:20,020 --> 00:06:17,270

listeners about that so twitch is a

126

00:06:22,480 --> 00:06:20,030

platform that originally came out for

127

00:06:25,450 --> 00:06:22,490

people to stream video games while they

128

00:06:27,340 --> 00:06:25,460

played and this is a great way to do run

129

00:06:31,540 --> 00:06:27,350

throughs walk throughs explain how to

130

00:06:34,270 --> 00:06:31,550

solve puzzles and just well share how

131

00:06:40,300 --> 00:06:34,280

good you are at destroying things on the

132

00:06:42,100 --> 00:06:40,310

Internet's folks is that it's sort of

133

00:06:44,170 --> 00:06:42,110

like a I mean with my limited knowledge

134

00:06:46,030 --> 00:06:44,180

it's like a Skype I can see a full image

135

00:06:48,220 --> 00:06:46,040

of Pamela I can see myself in the corner

136

00:06:52,380 --> 00:06:48,230

but more importantly you can then use

137

00:06:54,880 --> 00:06:52,390

this to mount your own little video show

138

00:06:56,520 --> 00:06:54,890

so what you're talking about right now

139

00:06:59,230 --> 00:06:56,530

is just zoom and this is just

140

00:07:01,510 --> 00:06:59,240

videoconferencing software so zoom is

141

00:07:03,520 --> 00:07:01,520

fabulous video conferencing software and

142

00:07:05,440 --> 00:07:03,530

what's cool about it is it has a gallery

143

00:07:07,540 --> 00:07:05,450

view that you can click on in the upper

144

00:07:09,159 --> 00:07:07,550

right and if there were nine of us it

145

00:07:11,830 --> 00:07:09,169

would arrange us like the Brady Bunch

146

00:07:14,710 --> 00:07:11,840

and there's something deeply pleasing

147

00:07:15,960 --> 00:07:14,720

about organizing your entire telecon to

148

00:07:19,990 --> 00:07:15,970

look like the Brady Bunch

149

00:07:23,530 --> 00:07:20,000

I'll take you with this is how I get

150

00:07:25,210 --> 00:07:23,540

through a telecon wonderful listeners

151
00:07:27,280 --> 00:07:25,220
even know what the Brady Bunch is I hope

152
00:07:31,930 --> 00:07:27,290
they do it's it's a classic part of

153
00:07:33,670 --> 00:07:31,940
culture let's get away from these

154
00:07:38,710 --> 00:07:33,680
frivolous matters Brady Bunch's and

155
00:07:40,659 --> 00:07:38,720
frivolous what is new in cause in the

156
00:07:44,860 --> 00:07:40,669
world of Paul McGann cosmo quest and all

157
00:07:46,270 --> 00:07:44,870
your activities well so so we launched

158
00:07:49,060 --> 00:07:46,280
amateur detective which I told your

159
00:07:52,510 --> 00:07:49,070
audience about back in the end of

160
00:07:54,820 --> 00:07:52,520
September we did a complete refresh

161
00:07:56,740 --> 00:07:54,830
all of our mappers projects recently so

162
00:07:59,589 --> 00:07:56,750
we're doing new science answering the

163
00:08:04,180 --> 00:07:59,599

questions but the thing that has me

164

00:08:05,980 --> 00:08:04,190

super excited is we are now part of the

165

00:08:09,930 --> 00:08:05,990

growing community of people who are

166

00:08:13,480 --> 00:08:09,940

using twitch.tv to share science to

167

00:08:19,779 --> 00:08:13,490

share how we do things how we program

168

00:08:23,020 --> 00:08:19,789

how we do artwork how we make and

169

00:08:25,860 --> 00:08:23,030

understand so twitch is now going from

170

00:08:29,080 --> 00:08:25,870

being the place you go to watch people

171

00:08:31,779 --> 00:08:29,090

figure out quests and video games to be

172

00:08:34,209 --> 00:08:31,789

where you figure out how to repair your

173

00:08:36,190 --> 00:08:34,219

car cook your dinner or build laser

174

00:08:37,930 --> 00:08:36,200

tweezers because hey who doesn't want to

175

00:08:44,949 --> 00:08:37,940

build a set of laser tweezers in their

176

00:08:46,780 --> 00:08:44,959

spare time we're we're actually

177

00:08:48,940 --> 00:08:46,790

launching a series of new problem

178

00:08:52,449 --> 00:08:48,950

projects you just got to be one of them

179

00:08:54,880 --> 00:08:52,459

we're doing a new learning space series

180

00:08:56,650 --> 00:08:54,890

that airs every Thursday alternating

181

00:09:00,220 --> 00:08:56,660

between times that are good for Europe

182

00:09:03,880 --> 00:09:00,230

and the asia-pacific region we archive

183

00:09:05,550 --> 00:09:03,890

everything on YouTube and it's just a

184

00:09:08,620 --> 00:09:05,560

show where we're interviewing people

185

00:09:10,930 --> 00:09:08,630

hearing their stories of how someone

186

00:09:13,630 --> 00:09:10,940

who's not a PhD researcher has found

187

00:09:17,769 --> 00:09:13,640

their own way to be part of the science

188

00:09:20,889 --> 00:09:17,779

skepticism astronomy communities and we

189

00:09:24,490 --> 00:09:20,899

also have launched a daily fast paced

190

00:09:26,350 --> 00:09:24,500

quick update on all that's new in space

191

00:09:28,480 --> 00:09:26,360

and astronomy and it's just called the

192

00:09:30,430 --> 00:09:28,490

daily space it's a play on the daily

193

00:09:33,310 --> 00:09:30,440

planet for all of you comic book lovers

194

00:09:37,000 --> 00:09:33,320

out there and I'm hosting that Monday

195

00:09:40,720 --> 00:09:37,010

through Friday and it's just fun and

196

00:09:42,699 --> 00:09:40,730

it's like 15 minutes and it makes me

197

00:09:44,290 --> 00:09:42,709

feel smarter just preparing it so

198

00:09:45,370 --> 00:09:44,300

hopefully you'll feel smarter if you

199

00:09:48,819 --> 00:09:45,380

come listen to it

200

00:09:52,269 --> 00:09:48,829

well this is so much on at the moment

201
00:09:54,819 --> 00:09:52,279
the this twitch the folks I'm new to the

202
00:09:57,190 --> 00:09:54,829
body here I really am up late to party

203
00:09:58,540 --> 00:09:57,200
I've not kept up with us many things you

204
00:10:02,590 --> 00:09:58,550
can't keep up with them all of course

205
00:10:06,380 --> 00:10:02,600
yeah so let me ask you this what is new

206
00:10:10,140 --> 00:10:08,040
uh-oh

207
00:10:13,890 --> 00:10:10,150
so what is some of the coolest stuff

208
00:10:16,380 --> 00:10:13,900
I've heard this week so we have found a

209
00:10:18,390 --> 00:10:16,390
regular everyday asteroid that's

210
00:10:21,000 --> 00:10:18,400
basically a big rock shaped like a

211
00:10:23,580 --> 00:10:21,010
potato as most asteroids are it's not

212
00:10:25,020 --> 00:10:23,590
iron it's not metal it's just a rock

213
00:10:28,560 --> 00:10:25,030

it's what we call a carbonaceous

214

00:10:30,150 --> 00:10:28,570

chondrite we think because we can't see

215

00:10:33,180 --> 00:10:30,160

it as clearly as we can see most

216

00:10:36,720 --> 00:10:33,190

asteroids because if instead of being in

217

00:10:39,150 --> 00:10:36,730

the asteroid belt it is out in the edge

218

00:10:41,850 --> 00:10:39,160

of the solar system and what we call the

219

00:10:46,200 --> 00:10:41,860

Kuiper belt this is the same belt of

220

00:10:48,510 --> 00:10:46,210

objects that well Pluto is and Sedna's

221

00:10:52,680 --> 00:10:48,520

and all of these little dwarf worlds are

222

00:10:55,620 --> 00:10:52,690

in and this shows us that all of our

223

00:10:57,870 --> 00:10:55,630

theories that the early solar system was

224

00:10:59,430 --> 00:10:57,880

the violent and chaotic place that flung

225

00:11:01,380 --> 00:10:59,440

rocks in all directions

226

00:11:03,450 --> 00:11:01,390

well now we're finding the rocks that

227

00:11:05,340 --> 00:11:03,460

got flown outwards instead of coming

228

00:11:07,590 --> 00:11:05,350

inwards to about our worlds like the

229

00:11:11,370 --> 00:11:07,600

earth and then well how big is this

230

00:11:13,350 --> 00:11:11,380

particular objection it's not huge it

231

00:11:15,840 --> 00:11:13,360

wouldn't be an earth killer it's not the

232

00:11:18,570 --> 00:11:15,850

size of Pluto or anything it's just like

233

00:11:20,310 --> 00:11:18,580

a run-of-the-mill boring asteroid and

234

00:11:20,940 --> 00:11:20,320

they can see that all the way in the

235

00:11:24,390 --> 00:11:20,950

Kuiper belt

236

00:11:27,660 --> 00:11:24,400

Oh detected see you detected but seeing

237

00:11:30,540 --> 00:11:27,670

as I we can't see details we can detect

238

00:11:32,850 --> 00:11:30,550

its slight reflectance of light this is

239

00:11:35,040 --> 00:11:32,860

actually part of what got them so

240

00:11:36,900 --> 00:11:35,050

interested they were originally doing I

241

00:11:39,540 --> 00:11:36,910

believe they were detecting things using

242

00:11:41,460 --> 00:11:39,550

the Hubble Space Telescope and they saw

243

00:11:44,520 --> 00:11:41,470

this thing that wasn't reflecting light

244

00:11:46,860 --> 00:11:44,530

the way they expected so they tuned in

245

00:11:49,020 --> 00:11:46,870

and did spectroscopy of it using The

246

00:11:52,190 --> 00:11:49,030

Very Large Telescope down in Chile and

247

00:11:55,320 --> 00:11:52,200

sure enough it was a rock not ice good

248

00:12:02,090 --> 00:11:55,330

good now I saw in a video that Phil

249

00:12:06,060 --> 00:12:02,100

Plait was posting and it looked insanely

250

00:12:13,680 --> 00:12:06,070

interesting of snow on a comet it must

251

00:12:15,300 --> 00:12:13,690

be for me yes well snow may be an

252

00:12:17,610 --> 00:12:15,310

overstatement because when we think of

253

00:12:18,569 --> 00:12:17,620

snow we think of like clouds and things

254

00:12:20,759 --> 00:12:18,579

falling out of that

255

00:12:24,569 --> 00:12:20,769

what you were seeing with some rescued

256

00:12:28,350 --> 00:12:24,579

video that I was from the feel a lander

257

00:12:31,199 --> 00:12:28,360

that accompany the Rosetta mission on a

258

00:12:35,609 --> 00:12:31,209

long dark cold mission around the solar

259

00:12:40,739 --> 00:12:35,619

system until it finally intercepted

260

00:12:43,799 --> 00:12:40,749

comet sherry Gary last year and feely

261

00:12:46,439 --> 00:12:43,809

didn't land the way we wanted it do it

262

00:12:48,660 --> 00:12:46,449

was supposed yeah it was supposed to

263

00:12:51,479 --> 00:12:48,670

deploy harpoons to fasten itself to the

264

00:12:53,609 --> 00:12:51,489

ground because it was falling a fair

265

00:12:57,419 --> 00:12:53,619

distance it was falling off of a

266

00:13:00,470 --> 00:12:57,429

spacecraft hovering in a separate orbit

267

00:13:03,929 --> 00:13:00,480

that paralleled that of the comet and

268

00:13:06,150 --> 00:13:03,939

the gravity of the comet made the

269

00:13:09,660 --> 00:13:06,160

spacecraft feel the same way piece of

270

00:13:12,509 --> 00:13:09,670

paper feels in earth gravity so when it

271

00:13:14,939 --> 00:13:12,519

hit and it's harpoons didn't grab on it

272

00:13:16,679 --> 00:13:14,949

kind of bounced yeah but we got some

273

00:13:21,499 --> 00:13:16,689

video back that we didn't know about

274

00:13:25,220 --> 00:13:21,509

until recently and and these images

275

00:13:28,639 --> 00:13:25,230

strung together to form video show this

276

00:13:33,509 --> 00:13:28,649

dynamic environment where there is

277

00:13:35,989 --> 00:13:33,519

particulate ice stuff snow flying all

278

00:13:38,999 --> 00:13:35,999

over the place and what's happening is

279

00:13:43,470 --> 00:13:39,009

the astronaut the asteroid the comet

280

00:13:46,019 --> 00:13:43,480

itself is active it has pockets where

281

00:13:48,479 --> 00:13:46,029

volatile zs-- this is frozen ice frozen

282

00:13:51,239 --> 00:13:48,489

nitrogen so frozen water eyes fridge the

283

00:13:54,780 --> 00:13:51,249

nitrogen frozen carbon dioxide all the

284

00:13:57,059 --> 00:13:54,790

frozen stuffs are starting to unfreeze

285

00:13:59,069 --> 00:13:57,069

in different pockets because the combat

286

00:14:04,499 --> 00:13:59,079

is getting closer and closer to the Sun

287

00:14:06,749 --> 00:14:04,509

and this is yes so comets they go

288

00:14:09,629 --> 00:14:06,759

completely dormant as they go into the

289

00:14:12,929 --> 00:14:09,639

outer coldest parts of our solar system

290

00:14:15,769 --> 00:14:12,939

as they migrate in they begin to heat up

291

00:14:18,749 --> 00:14:15,779

they build this coma around them this

292

00:14:22,530 --> 00:14:18,759

sphere of volatile that they've let off

293

00:14:25,289 --> 00:14:22,540

over time the sun's radiation begins to

294

00:14:27,749 --> 00:14:25,299

push these material outwards creating a

295

00:14:29,939 --> 00:14:27,759

tail that is not following the motion of

296

00:14:31,910 --> 00:14:29,949

the comet it's actually pushed out by

297

00:14:35,970 --> 00:14:31,920

the solar wind

298

00:14:38,300 --> 00:14:35,980

sunlight and other particles and so as

299

00:14:42,260 --> 00:14:38,310

the comet moves in it gets heated up

300

00:14:44,880 --> 00:14:42,270

volatiles sublimate are given off

301

00:14:48,240 --> 00:14:44,890

particulate matter gets flung away in

302

00:14:51,570 --> 00:14:48,250

the process and this video showed all of

303

00:14:54,960 --> 00:14:51,580

these things going on and it just looked

304

00:14:58,380 --> 00:14:54,970

like in a storm of the biggest angriest

305

00:15:00,690 --> 00:14:58,390

either mash or snow you have ever seen

306

00:15:04,140 --> 00:15:00,700

depending if you're someone from Hawaii

307

00:15:06,000 --> 00:15:04,150

or someone from the northern somewhere

308

00:15:07,650 --> 00:15:06,010

in the northern hemisphere where deep

309

00:15:11,040 --> 00:15:07,660

south in the southern hemisphere it was

310

00:15:12,870 --> 00:15:11,050

drinking place with snow dramatic yes it

311

00:15:15,330 --> 00:15:12,880

was dramatic oh I will use that word

312

00:15:19,710 --> 00:15:15,340

deeply fascinating dramatic surprising

313

00:15:21,450 --> 00:15:19,720

and again it's like you and I in the

314

00:15:23,430 --> 00:15:21,460

last hour we're talking about videos

315

00:15:25,770 --> 00:15:23,440

from Mars you know the last and Lander

316

00:15:28,680 --> 00:15:25,780

making it or a series of pictures strung

317

00:15:30,510 --> 00:15:28,690

together do a video and to me and I

318

00:15:33,120 --> 00:15:30,520

wonder if it is to to you folks out

319

00:15:36,180 --> 00:15:33,130

there to see pictures from other worlds

320

00:15:37,800 --> 00:15:36,190

as commonplace it really is these days

321

00:15:40,140 --> 00:15:37,810

it's it's not hard there are thousands

322

00:15:43,680 --> 00:15:40,150

of them but to see a video from another

323

00:15:48,150 --> 00:15:43,690

world that's that's mind stepping there

324

00:15:50,640 --> 00:15:48,160

there was an amazing simulation isn't

325

00:15:52,440 --> 00:15:50,650

quite the right word that that came out

326

00:15:54,480 --> 00:15:52,450

today that was put together actually by

327

00:15:57,240 --> 00:15:54,490

a citizen science working with the Juno

328

00:16:02,250 --> 00:15:57,250

cam on the Juno mission orbiting Jupiter

329

00:16:05,100 --> 00:16:02,260

and Juno cam isn't a professional

330

00:16:08,370 --> 00:16:05,110

science instrument it's added onto the

331

00:16:11,610 --> 00:16:08,380

Juno mission to allow everyday people to

332

00:16:15,390 --> 00:16:11,620

help pick what they want to look at and

333

00:16:18,060 --> 00:16:15,400

get the images they want to ask the

334

00:16:19,800 --> 00:16:18,070

questions they want people vote on what

335

00:16:24,080 --> 00:16:19,810

images are going to get taken this is a

336

00:16:27,990 --> 00:16:24,090

public instrument and there there was

337

00:16:33,120 --> 00:16:28,000

one of the amateurs and I'm looking up

338

00:16:35,220 --> 00:16:33,130

his name now one of the amateurs he took

339

00:16:38,270 --> 00:16:35,230

two different images that were taken I

340

00:16:41,720 --> 00:16:38,280

think it was eight minutes apart and

341

00:16:44,940 --> 00:16:41,730

he's a mathematician by training and

342

00:16:48,629 --> 00:16:44,950

he's a software developer by professor

343

00:16:50,610 --> 00:16:48,639

this is Gerald or Scott he's working

344

00:16:53,490 --> 00:16:50,620

with some of the professional scientists

345

00:16:56,730 --> 00:16:53,500

and he took these two images that were

346

00:16:59,940 --> 00:16:56,740

eight minutes apart and they showed the

347

00:17:02,759 --> 00:16:59,950

vortices the storms these beautiful

348

00:17:04,590 --> 00:17:02,769

swirling patterns on Jupiter and over

349

00:17:08,220 --> 00:17:04,600

eight minutes that's enough to see

350

00:17:10,110 --> 00:17:08,230

rotation begin to happen and using his

351
00:17:12,900 --> 00:17:10,120
training as a mathematician using his

352
00:17:16,230 --> 00:17:12,910
training as a software developer he

353
00:17:18,590 --> 00:17:16,240
filled in the gaps between these two

354
00:17:23,309 --> 00:17:18,600
eight minutes separated images and

355
00:17:26,579 --> 00:17:23,319
created a video of interpolation of how

356
00:17:31,289 --> 00:17:26,589
everything is moving and it's it's

357
00:17:35,010 --> 00:17:31,299
absolutely captivating to see Jupiter

358
00:17:38,850 --> 00:17:35,020
actually come to life at the smallest

359
00:17:43,980 --> 00:17:38,860
scales while we're watching wow so if

360
00:17:47,870 --> 00:17:43,990
people look for Juno Juno cam they can

361
00:17:53,159 --> 00:17:47,880
they can find the video I i'd look for

362
00:17:55,320 --> 00:17:53,169
juno cam Gerald spelled with a G hey

363
00:17:58,380 --> 00:17:55,330

I'll just tweet it look at star Strider

364

00:18:01,350 --> 00:17:58,390
on Twitter and I will find the video and

365

00:18:03,600 --> 00:18:01,360
just tweet it do that folks and also

366

00:18:05,070 --> 00:18:03,610
again I shall certainly link to that

367

00:18:09,600 --> 00:18:05,080
video on the show notes I can't wait to

368

00:18:15,930 --> 00:18:09,610
see it myself and how the variable stars

369

00:18:18,480 --> 00:18:15,940
going power they still they are so as

370

00:18:21,000 --> 00:18:18,490
you know I got my start in variable

371

00:18:22,560 --> 00:18:21,010
stars and today I actually was reading

372

00:18:24,390 --> 00:18:22,570
through journal articles and I saw

373

00:18:27,900 --> 00:18:24,400
something that took me home to my very

374

00:18:31,500 --> 00:18:27,910
first paying job which was studying

375

00:18:34,830 --> 00:18:31,510
t-tauri stars there is a T Tauri which

376

00:18:36,409 --> 00:18:34,840

is a very young variable star someday

377

00:18:38,730 --> 00:18:36,419

it's going to evolve into something

378

00:18:41,370 --> 00:18:38,740

similar to the Sun maybe a little bit

379

00:18:45,419 --> 00:18:41,380

bigger maybe a little bit smaller but

380

00:18:48,570 --> 00:18:45,429

right now all it is is this giant disk

381

00:18:50,669 --> 00:18:48,580

of material and an angry young star that

382

00:18:53,730 --> 00:18:50,679

is doing the variable star thing in the

383

00:18:56,450 --> 00:18:53,740

core and an observation Dacians made

384

00:18:58,770 --> 00:18:56,460

with the Alma telescope down in Chile

385

00:19:01,350 --> 00:18:58,780

they were able to see this

386

00:19:03,030 --> 00:19:01,360

disk that was bigger than most disks

387

00:19:05,280 --> 00:19:03,040

that they'd otherwise been observing in

388

00:19:07,530 --> 00:19:05,290

this region of the sky which is towards

389

00:19:10,500 --> 00:19:07,540

the constellation lupus and this

390

00:19:13,440 --> 00:19:10,510

particular disk is awesome because it

391

00:19:17,010 --> 00:19:13,450

has this step structure in brightness

392

00:19:21,090 --> 00:19:17,020

where there's this big bright bigger

393

00:19:24,870 --> 00:19:21,100

than our entire solar system core of

394

00:19:26,660 --> 00:19:24,880

glowing material and then there's a dip

395

00:19:29,970 --> 00:19:26,670

and brightness and then there's another

396

00:19:34,140 --> 00:19:29,980

layer of material that isn't quite as

397

00:19:36,450 --> 00:19:34,150

bright and this is a region of space

398

00:19:40,050 --> 00:19:36,460

that hasn't yet started to form planets

399

00:19:42,240 --> 00:19:40,060

but may yet form planets it's only a few

400

00:19:44,760 --> 00:19:42,250

million years old right now so we're

401
00:19:47,640 --> 00:19:44,770
seeing a baby baby solar system in its

402
00:19:49,050 --> 00:19:47,650
earliest days that's there wow that's

403
00:19:51,480 --> 00:19:49,060
absolutely fascinating

404
00:19:56,280 --> 00:19:51,490
I mean we can't wrap our heads around

405
00:19:58,200 --> 00:19:56,290
the scale although we I mean I can I can

406
00:20:00,000 --> 00:19:58,210
have a vague idea of the scale although

407
00:20:00,570 --> 00:20:00,010
I can't possibly comprehend it if that

408
00:20:02,970 --> 00:20:00,580
makes sense

409
00:20:05,760 --> 00:20:02,980
so the distance from the earth to the

410
00:20:09,900 --> 00:20:05,770
Sun is one astronomical unit this is

411
00:20:15,110 --> 00:20:09,910
eight light-minutes run we're looking at

412
00:20:18,090 --> 00:20:15,120
a system where the inner part is a

413
00:20:20,730 --> 00:20:18,100

hundred astronomical it's more than a

414

00:20:25,320 --> 00:20:20,740

hundred astronomical units so here we're

415

00:20:30,210 --> 00:20:25,330

looking at light hours many light hours

416

00:20:33,120 --> 00:20:30,220

across and the idea of a solar system

417

00:20:35,610 --> 00:20:33,130

that we can see where from edge to edge

418

00:20:39,630 --> 00:20:35,620

we're starting to look at light taking

419

00:20:42,090 --> 00:20:39,640

an entire day to travel that that is

420

00:20:46,650 --> 00:20:42,100

mind-blowing and that's the way to look

421

00:20:48,420 --> 00:20:46,660

at these things yeah yeah Wow goodness

422

00:20:49,890 --> 00:20:48,430

me Pamela I think I could talk to you

423

00:20:55,290 --> 00:20:49,900

for six weeks and then we could get

424

00:20:57,780 --> 00:20:55,300

started on a conversation it's just the

425

00:20:59,790 --> 00:20:57,790

exciting news for Sydney listeners

426

00:21:01,560 --> 00:20:59,800

Australian listeners is they can meet

427

00:21:02,880 --> 00:21:01,570

you in person later on this year at the

428

00:21:05,220 --> 00:21:02,890

Australian skeptics National Convention

429

00:21:08,700 --> 00:21:05,230

folks that's October the 13th to the

430

00:21:09,840 --> 00:21:08,710

14th and you know what I think would you

431

00:21:11,550 --> 00:21:09,850

should just clear out all the other

432

00:21:12,280 --> 00:21:11,560

guests and have a Pamela gay weekend

433

00:21:14,380 --> 00:21:12,290

quite frankly

434

00:21:16,480 --> 00:21:14,390

I think that would be above this thing

435

00:21:19,660 --> 00:21:16,490

to happen I hope you like I would do it

436

00:21:22,150 --> 00:21:19,670

I am so looking forward to being there

437

00:21:24,760 --> 00:21:22,160

it's going to be spring it's going to be

438

00:21:29,590 --> 00:21:24,770

beautiful and there's beautiful people

439

00:21:31,870 --> 00:21:29,600

and I I have always loved going to

440

00:21:34,420 --> 00:21:31,880

skeptics events down under because of

441

00:21:37,150 --> 00:21:34,430

the activism you guys bring to

442

00:21:39,220 --> 00:21:37,160

everything that you want to see in the

443

00:21:41,290 --> 00:21:39,230

world you are making the world you want

444

00:21:46,420 --> 00:21:41,300

to live in well thank you very much even

445

00:21:48,640 --> 00:21:46,430

if it's flat we try our best be so much

446

00:21:53,890 --> 00:21:48,650

easier to get there if it were flat oh I

447

00:21:58,270 --> 00:21:53,900

know even your dog agrees I think

448

00:22:01,030 --> 00:21:58,280

without it's true it's true family gay

449

00:22:03,400 --> 00:22:01,040

again we cannot wait to see you folks if

450

00:22:05,310 --> 00:22:03,410

you needed a reason to buy a ticket for

451
00:22:08,050 --> 00:22:05,320
the convention there it is for sure

452
00:22:09,910 --> 00:22:08,060
worth the price of admission alone but

453
00:22:11,470 --> 00:22:09,920
for now Pamela gay all power to you

454
00:22:13,150 --> 00:22:11,480
thank you very much folks our link to

455
00:22:15,400 --> 00:22:13,160
all the relevant links in this week's

456
00:22:18,370 --> 00:22:15,410
show notes and I look forward to seeing

457
00:22:20,470 --> 00:22:18,380
you a bit later on in the year I'm

458
00:22:23,020 --> 00:22:20,480
looking forward to it as well and I hope

459
00:22:24,850 --> 00:22:23,030
to see all your listeners maybe not all

460
00:22:25,760 --> 00:22:24,860
at once but I hope to see all of them

461
00:22:27,330 --> 00:22:25,770
there

462
00:22:40,470 --> 00:22:27,340
[Music]

463
00:22:43,320 --> 00:22:40,480

oh hi Maynard

464

00:22:46,440 --> 00:22:43,330

oh hi Heidi great they're in this park

465

00:22:47,520 --> 00:22:46,450

yeah if you like that sort of thing look

466

00:22:50,970 --> 00:22:47,530

over there

467

00:22:53,550 --> 00:22:50,980

oh yeah we there are no such things as

468

00:22:57,900 --> 00:22:53,560

URIs silly hmm

469

00:23:01,500 --> 00:22:57,910

might be just dog a big dog I think it's

470

00:23:05,490 --> 00:23:01,510

a King Charles Spaniel thing mm no no no

471

00:23:08,850 --> 00:23:05,500

no it's a Yowie may not if it's a choice

472

00:23:11,760 --> 00:23:08,860

between it being a dog or a Yowie no no

473

00:23:13,950 --> 00:23:11,770

no see are we yeah we yeah we yeah we

474

00:23:17,970 --> 00:23:13,960

yeah we argument from Authority

475

00:23:20,640 --> 00:23:17,980

it's Yahweh hey you two what are you

476
00:23:23,040 --> 00:23:20,650
arguing about may not thinks that dog

477
00:23:27,540 --> 00:23:23,050
lookin thing over there is a Yowie oh

478
00:23:31,530 --> 00:23:27,550
yeah we well maybe two back of the

479
00:23:33,300 --> 00:23:31,540
walkie over her I see okay we better

480
00:23:36,990 --> 00:23:33,310
look this up in the skeptics dictionary

481
00:23:39,330 --> 00:23:37,000
online though Wow the skeptics

482
00:23:41,790 --> 00:23:39,340
dictionary online features definitions

483
00:23:44,490 --> 00:23:41,800
arguments and essays on hundreds of

484
00:23:48,000 --> 00:23:44,500
strange beliefs amusing descriptions and

485
00:23:50,250 --> 00:23:48,010
dangerous delusions also features dozens

486
00:23:53,970 --> 00:23:50,260
of entries on logical fallacies

487
00:23:55,220 --> 00:23:53,980
cognitive biases perception science and

488
00:24:06,500 --> 00:23:55,230

philosophy

489

00:24:09,660 --> 00:24:06,510

it's w WS k EP di c common right ha d

490

00:24:16,440 --> 00:24:09,670

prepared to be amazed

491

00:24:18,990 --> 00:24:16,450

okay ah send a Bigfoot it says most

492

00:24:21,090 --> 00:24:19,000

scientists discount the evidence of

493

00:24:24,060 --> 00:24:21,100

Bigfoot because the evidence supporting

494

00:24:26,670 --> 00:24:24,070

belief in the survival of the historic

495

00:24:30,240 --> 00:24:26,680

biped ape-like creature of such

496

00:24:38,270 --> 00:24:30,250

dimensions is scant you know maybe that

497

00:24:58,170 --> 00:24:38,280

is just jebecca after all thank you

498

00:25:02,130 --> 00:24:58,180

skeptics dictionary online it's the raw

499

00:25:08,630 --> 00:25:02,140

skeptic report with Heidi Robertson

500

00:25:11,010 --> 00:25:08,640

[Music]

501
00:25:14,520 --> 00:25:11,020
Robertson from the northern areas

502
00:25:17,660 --> 00:25:14,530
vaccination supporters a couple of weeks

503
00:25:20,730 --> 00:25:17,670
ago the diet skeptic Mande Lee Noble

504
00:25:24,510 --> 00:25:20,740
emailed me with the website of American

505
00:25:27,330 --> 00:25:24,520
Don Tolman who I must confess I had not

506
00:25:29,370 --> 00:25:27,340
heard of before although I'm sure he

507
00:25:32,250 --> 00:25:29,380
would be familiar to many skeptics out

508
00:25:35,970 --> 00:25:32,260
there how I've never heard of him before

509
00:25:39,630 --> 00:25:35,980
I don't know this guy embodies the whole

510
00:25:42,810 --> 00:25:39,640
gamut the entire kit and caboodle the

511
00:25:45,780 --> 00:25:42,820
full nine yards of woo and conspiracy

512
00:25:49,680 --> 00:25:45,790
theories that skeptics deal with pretty

513
00:25:53,880 --> 00:25:49,690

constantly let's go to Tolman's Facebook

514

00:25:56,280 --> 00:25:53,890

page for a description of him quote Don

515

00:25:57,720 --> 00:25:56,290

told Minh is known as the whole food

516

00:26:00,690 --> 00:25:57,730

medicine cowboy

517

00:26:02,910 --> 00:26:00,700

because for 17 years he searched the

518

00:26:05,370 --> 00:26:02,920

world and let nothing get in his way of

519

00:26:08,460 --> 00:26:05,380

hunting down the lost wisdom of the

520

00:26:11,250 --> 00:26:08,470

Ancients the truth about the real

521

00:26:14,400 --> 00:26:11,260

potential of human beings which has been

522

00:26:17,100 --> 00:26:14,410

kept hidden from the masses he read and

523

00:26:19,370 --> 00:26:17,110

interpreted the most profound ancient

524

00:26:21,690 --> 00:26:19,380

scrolls and was given special

525

00:26:24,450 --> 00:26:21,700

dispensation rights to pour through

526
00:26:26,280 --> 00:26:24,460
hidden ancient libraries and searched

527
00:26:30,290 --> 00:26:26,290
through dusty old

528
00:26:32,820 --> 00:26:30,300
catacombs end quote

529
00:26:35,640 --> 00:26:32,830
no wonder they call him the Indiana

530
00:26:39,630 --> 00:26:35,650
Jones of Whole Foods he looks the part

531
00:26:41,700 --> 00:26:39,640
to sort of the Indiana Jones character

532
00:26:44,790 --> 00:26:41,710
always looked a bit worse for wear with

533
00:26:46,870 --> 00:26:44,800
dirt and sweat and torn clothing the

534
00:26:50,380 --> 00:26:46,880
character was also an actual

535
00:26:53,530 --> 00:26:50,390
scientist Don Tolman has an excessively

536
00:26:57,190 --> 00:26:53,540
large black cowboy hat clean pressed

537
00:27:01,030 --> 00:26:57,200
cowboy outfits and a long merv hughes

538
00:27:04,690 --> 00:27:01,040

style mustache if you aren't Australian

539

00:27:07,780 --> 00:27:04,700

and don't know Merv Hughes I urge you to

540

00:27:11,230 --> 00:27:07,790

stop everything and bring up to Google

541

00:27:14,950 --> 00:27:11,240

Images one of Merv Hughes and the other

542

00:27:19,990 --> 00:27:14,960

of Don Tolman and tell me is that not

543

00:27:23,230 --> 00:27:20,000

Irie also Tolman is not a doctor nor a

544

00:27:26,340 --> 00:27:23,240

scientist nor does he have any medical

545

00:27:29,290 --> 00:27:26,350

or scientific qualifications whatsoever

546

00:27:31,540 --> 00:27:29,300

which has not stopped him publishing the

547

00:27:35,530 --> 00:27:31,550

pharmacist with an F Desk Reference

548

00:27:39,460 --> 00:27:35,540

volumes one two and three for three

549

00:27:42,550 --> 00:27:39,470

hundred and nineteen dollars apparently

550

00:27:45,340 --> 00:27:42,560

on his 17-year Indiana jones-style quest

551
00:27:48,310 --> 00:27:45,350
of searching catacombs and bothering

552
00:27:51,820 --> 00:27:48,320
indigenous people he discovered a recipe

553
00:27:54,280 --> 00:27:51,830
on an ancient scroll the ancient scroll

554
00:27:57,460 --> 00:27:54,290
recipe is suitable for vegan and

555
00:28:00,360 --> 00:27:57,470
gluten-free diets is described as a

556
00:28:03,330 --> 00:28:00,370
sacred meal good for a detox cleanse and

557
00:28:08,080 --> 00:28:03,340
you can get 28 days worth for around

558
00:28:11,320 --> 00:28:08,090
\$600 he isn't shy about expressing his

559
00:28:13,170 --> 00:28:11,330
total disdain for science either and the

560
00:28:16,030 --> 00:28:13,180
medical and pharmaceutical industries

561
00:28:18,220 --> 00:28:16,040
quote I believe that when things are

562
00:28:20,770 --> 00:28:18,230
complex they're usually not true and

563
00:28:23,950 --> 00:28:20,780

today's medical industry has been built

564

00:28:25,750 --> 00:28:23,960

on complex solutions I share with people

565

00:28:29,740 --> 00:28:25,760

that there's no mystery about what

566

00:28:31,750 --> 00:28:29,750

causes sickness and disease but the

567

00:28:33,880 --> 00:28:31,760

problem with this perspective is that if

568

00:28:36,760 --> 00:28:33,890

you solve the mystery you solve the

569

00:28:39,580 --> 00:28:36,770

money think about it if we were to lose

570

00:28:41,680 --> 00:28:39,590

the confusion fear and get rid of the

571

00:28:43,900 --> 00:28:41,690

mystery of disease and go back to a

572

00:28:46,090 --> 00:28:43,910

simple understanding as to what actually

573

00:28:48,760 --> 00:28:46,100

causes it in the first place then

574

00:28:50,920 --> 00:28:48,770

there'd be no longer a need to create

575

00:28:53,080 --> 00:28:50,930

and support billion-dollar industries

576
00:28:56,500 --> 00:28:53,090
that do research and create drugs in the

577
00:28:58,420 --> 00:28:56,510
hope that will one day find a cure the

578
00:29:00,760 --> 00:28:58,430
vast majority of doctors visits are

579
00:29:03,220 --> 00:29:00,770
unnecessary meaning that people

580
00:29:05,530 --> 00:29:03,230
even be there in the first place but the

581
00:29:07,540 --> 00:29:05,540
masses have been so indoctrinated into

582
00:29:09,220 --> 00:29:07,550
believing in this process that they

583
00:29:13,870 --> 00:29:09,230
don't give it a second thought

584
00:29:16,210 --> 00:29:13,880
end quote naturally Don has a range of

585
00:29:18,970 --> 00:29:16,220
products books seminars and health

586
00:29:21,580 --> 00:29:18,980
retreats in exotic locations that can

587
00:29:24,190 --> 00:29:21,590
help all your diseases without the

588
00:29:27,550 --> 00:29:24,200

intervention of the quote cut burn and

589

00:29:31,750 --> 00:29:27,560

poison and quite approach of your local

590

00:29:35,620 --> 00:29:31,760

family doctor depressingly Don has quite

591

00:29:38,500 --> 00:29:35,630

the fan base from the full wiki org page

592

00:29:41,680 --> 00:29:38,510

on him quote Tommen has spoken to more

593

00:29:45,610 --> 00:29:41,690

than 1,000 audiences in all 50 states

594

00:29:48,070 --> 00:29:45,620

and in seven foreign countries his media

595

00:29:51,640 --> 00:29:48,080

credits include more than 50 radio and

596

00:29:53,800 --> 00:29:51,650

TV talk show appearances per year he has

597

00:29:54,510 --> 00:29:53,810

been returned guests on Entertainment

598

00:29:58,840 --> 00:29:54,520

Tonight

599

00:30:01,870 --> 00:29:58,850

ABC talk radio the Donahue show and he's

600

00:30:04,300 --> 00:30:01,880

a regular guest on the aware show in Los

601
00:30:08,400 --> 00:30:04,310
Angeles California as well as many

602
00:30:11,650 --> 00:30:08,410
newspapers and magazines end quote and

603
00:30:14,770 --> 00:30:11,660
right now right this minute he is in

604
00:30:18,190 --> 00:30:14,780
Australia at our beautiful Oh LaRue or

605
00:30:19,780 --> 00:30:18,200
Ayers Rock with a group of 25 people who

606
00:30:21,430 --> 00:30:19,790
have each paid between three and four

607
00:30:25,090 --> 00:30:21,440
thousand dollars to be in his company

608
00:30:27,940 --> 00:30:25,100
for six days this comes a couple of

609
00:30:31,840 --> 00:30:27,950
months after a detox healing health

610
00:30:33,460 --> 00:30:31,850
retreat he ran in Bali he also has

611
00:30:35,730 --> 00:30:33,470
speaking appointments next month

612
00:30:39,100 --> 00:30:35,740
in Western Australia South Australia

613
00:30:43,540 --> 00:30:39,110

Victoria New South Wales and Queensland

614

00:30:45,550 --> 00:30:43,550

on that event page it says and I must

615

00:30:48,760 --> 00:30:45,560

say in the opposite of a humble way

616

00:30:51,400 --> 00:30:48,770

quote Dom Tolman has been referred to as

617

00:30:53,680 --> 00:30:51,410

a modern-day Einstein and when you

618

00:30:57,930 --> 00:30:53,690

experience his raw genius for the first

619

00:31:01,630 --> 00:30:57,940

time you'll see exactly why end quote

620

00:31:04,050 --> 00:31:01,640

amongst other gems he will explain why

621

00:31:07,150 --> 00:31:04,060

doctors officers are called a practice

622

00:31:10,480 --> 00:31:07,160

now I looked into this and found his

623

00:31:13,030 --> 00:31:10,490

explanation he legitimately thinks that

624

00:31:14,480 --> 00:31:13,040

it's because doctors are just practicing

625

00:31:18,300 --> 00:31:14,490

on you

626

00:31:20,880 --> 00:31:18,310

Tolman is anti-vaxxer course counts Mike

627

00:31:23,130 --> 00:31:20,890

Adams as a personal friend thinks that

628

00:31:26,010 --> 00:31:23,140

doctors who uncover the truth with a

629

00:31:29,010 --> 00:31:26,020

capital T about natural health cures are

630

00:31:30,840 --> 00:31:29,020

being killed off and in general seems to

631

00:31:34,020 --> 00:31:30,850

subscribe to many of the theories that

632

00:31:36,090 --> 00:31:34,030

listeners would be familiar with he also

633

00:31:38,790 --> 00:31:36,100

subscribes to the doctrine of signatures

634

00:31:41,970 --> 00:31:38,800

or as he calls at the food signatures

635

00:31:44,580 --> 00:31:41,980

theory that is some foods that look like

636

00:31:46,620 --> 00:31:44,590

some organs of the body must be

637

00:31:48,600 --> 00:31:46,630

intelligently designed that way and

638

00:31:52,740 --> 00:31:48,610

therefore must be good for that

639

00:31:55,140 --> 00:31:52,750

particular organ again from that wiki

640

00:31:57,030 --> 00:31:55,150

page quote his primary message is a

641

00:32:00,000 --> 00:31:57,040

religious one based on the food

642

00:32:01,880 --> 00:32:00,010

signatures theory example claims that he

643

00:32:04,200 --> 00:32:01,890

makes during his seminars include

644

00:32:05,970 --> 00:32:04,210

capsicum support health of the heart

645

00:32:08,480 --> 00:32:05,980

because the vegetable looks similar to a

646

00:32:11,070 --> 00:32:08,490

heart including having four chambers

647

00:32:13,410 --> 00:32:11,080

walnuts promote brain health since

648

00:32:17,010 --> 00:32:13,420

they're corrugated shape has a brain

649

00:32:21,240 --> 00:32:17,020

like appearance and that carrots can

650

00:32:24,750 --> 00:32:21,250

treat erectile dysfunction again based

651
00:32:26,760 --> 00:32:24,760
on the shape of the vegetable Talman

652
00:32:30,360 --> 00:32:26,770
claims that the appearance of foods is a

653
00:32:32,340 --> 00:32:30,370
coded message from God to educate humans

654
00:32:35,850 --> 00:32:32,350
about their claimed health benefits for

655
00:32:38,010 --> 00:32:35,860
specific organs and body parts he admits

656
00:32:39,110 --> 00:32:38,020
to having no basis for his claims in

657
00:32:42,270 --> 00:32:39,120
scientific research

658
00:32:43,320 --> 00:32:42,280
his message rests entirely on his

659
00:32:46,890 --> 00:32:43,330
religious beliefs

660
00:32:49,560 --> 00:32:46,900
end quote there is currently no

661
00:32:51,930 --> 00:32:49,570
scientific evidence that what a plant is

662
00:32:55,170 --> 00:32:51,940
shaped like has any bearing on what

663
00:32:57,510 --> 00:32:55,180

health benefits it has he sells a

664

00:33:00,120 --> 00:32:57,520

product called nature's Silver Bullet

665

00:33:03,150 --> 00:33:00,130

which he claims will boost your immune

666

00:33:04,290 --> 00:33:03,160

system for influenza and other viral and

667

00:33:07,680 --> 00:33:04,300

fungal diseases

668

00:33:10,140 --> 00:33:07,690

it has colloidal silver in it and fulvic

669

00:33:13,890 --> 00:33:10,150

acid and you can buy 60 mils of it to

670

00:33:16,920 --> 00:33:13,900

put in your ears eyes throat hands feet

671

00:33:21,150 --> 00:33:16,930

or genitals depending I guess on the

672

00:33:23,520 --> 00:33:21,160

occasion for just \$32 quote nature's

673

00:33:27,090 --> 00:33:23,530

Silver Bullet is a must for your at home

674

00:33:31,380 --> 00:33:27,100

whole food medicine cabinet yee-haa

675

00:33:34,380 --> 00:33:31,390

and quote yep he really typed in yeehaw

676
00:33:37,710 --> 00:33:34,390
under acclaimed health care product

677
00:33:40,650 --> 00:33:37,720
advertisement can you imagine the outcry

678
00:33:43,070 --> 00:33:40,660
if Big Pharma or your trusted family

679
00:33:46,080 --> 00:33:43,080
doctor did the same thing

680
00:33:48,409 --> 00:33:46,090
imagine the prescription mrs. Hardy

681
00:33:53,789 --> 00:33:48,419
Robertson to take one anti hypertensive

682
00:33:56,700 --> 00:33:53,799
tablet each morning yee-ha do you suffer

683
00:33:59,100 --> 00:33:56,710
from asthma never fear even though eight

684
00:34:01,950 --> 00:33:59,110
people die each week of asthma in

685
00:34:04,860 --> 00:34:01,960
Australia don claims that he has a

686
00:34:08,849 --> 00:34:04,870
product that can assist with asthma his

687
00:34:11,330 --> 00:34:08,859
quote asthma chemical free decongestant

688
00:34:14,639 --> 00:34:11,340

spray containing distilled water

689

00:34:19,020 --> 00:34:14,649

dendritic sea salt and essential oils

690

00:34:21,869 --> 00:34:19,030

end quote also asthmatics he says should

691

00:34:24,389 --> 00:34:21,879

eat one raw a slice of a potato

692

00:34:26,220 --> 00:34:24,399

each day that is covered in freshly

693

00:34:29,430 --> 00:34:26,230

squeezed lemon juice and sprinkled with

694

00:34:32,580 --> 00:34:29,440

sea salt have you got diabetes

695

00:34:34,530 --> 00:34:32,590

Don puts diabetes in quotes and says

696

00:34:36,659 --> 00:34:34,540

that the whole thing is a complete scam

697

00:34:39,419 --> 00:34:36,669

quote especially when you consider that

698

00:34:41,520 --> 00:34:39,429

the solution prescribed by doctors is a

699

00:34:43,800 --> 00:34:41,530

lifetime of injecting insulin from the

700

00:34:46,830 --> 00:34:43,810

dead bodies of other beings into your

701
00:34:49,200 --> 00:34:46,840
bloodstream end quote he does not

702
00:34:52,020 --> 00:34:49,210
believe that there's no cure for type 1

703
00:34:56,820 --> 00:34:52,030
or type 2 diabetes and that the solution

704
00:34:58,830 --> 00:34:56,830
of injected insulin is quite BS one of

705
00:35:00,960 --> 00:34:58,840
the points in his protocol to get people

706
00:35:03,660 --> 00:35:00,970
off their insulin is for them to fast

707
00:35:06,210 --> 00:35:03,670
which any medical professional will tell

708
00:35:09,120 --> 00:35:06,220
you is extremely dangerous advice for

709
00:35:11,130 --> 00:35:09,130
diabetics he doesn't like people to use

710
00:35:14,490 --> 00:35:11,140
sunscreen as he believes that can lead

711
00:35:17,190 --> 00:35:14,500
to skin cancer he refers to depression

712
00:35:20,780 --> 00:35:17,200
as a gift and suggests that people not

713
00:35:23,520 --> 00:35:20,790

turn to toxic medications to treat it

714

00:35:25,920 --> 00:35:23,530

breast cancer he says can be healed and

715

00:35:28,050 --> 00:35:25,930

prevented naturally quote do not be

716

00:35:30,660 --> 00:35:28,060

bullied into biopsies treatments and

717

00:35:32,340 --> 00:35:30,670

surgeries without first questioning that

718

00:35:35,220 --> 00:35:32,350

path and where it leads

719

00:35:37,620 --> 00:35:35,230

end quote well of course one should

720

00:35:39,510 --> 00:35:37,630

always question once treatment options

721

00:35:40,440 --> 00:35:39,520

to ensure that you are fully informed

722

00:35:43,410 --> 00:35:40,450

before you

723

00:35:45,349 --> 00:35:43,420

proceed but I suspect this is not what

724

00:35:48,089 --> 00:35:45,359

he is getting at

725

00:35:51,180 --> 00:35:48,099

got a severe life-threatening allergy to

726
00:35:52,800 --> 00:35:51,190
a food before you've blamed the food Don

727
00:35:55,890 --> 00:35:52,810
says you should look at how good the

728
00:35:58,430 --> 00:35:55,900
quality of the food was thankfully he

729
00:36:02,069 --> 00:35:58,440
says if you are definitely allergic

730
00:36:05,010 --> 00:36:02,079
eliminate the food for good but hang on

731
00:36:07,589 --> 00:36:05,020
he then goes on to say that you should

732
00:36:10,140 --> 00:36:07,599
then have repeated exposure to the food

733
00:36:12,300 --> 00:36:10,150
quote start by holding it and smelling

734
00:36:15,260 --> 00:36:12,310
it then in time licking it tasting it

735
00:36:18,870 --> 00:36:15,270
and eventually swallowing some and quite

736
00:36:21,630 --> 00:36:18,880
please don't ever do this unless you are

737
00:36:26,280 --> 00:36:21,640
in the care and presence of a specialist

738
00:36:29,520 --> 00:36:26,290

in immunology analogy remember polio I

739

00:36:31,770 --> 00:36:29,530

don't I've been fortunate enough like

740

00:36:34,980 --> 00:36:31,780

most of us to have never seen polio

741

00:36:36,930 --> 00:36:34,990

because of the polio vaccine Don says

742

00:36:39,890 --> 00:36:36,940

that polio was actually caused by the

743

00:36:43,020 --> 00:36:39,900

smallpox vaccine but hang on because

744

00:36:45,170 --> 00:36:43,030

then you go to another of his sites and

745

00:36:48,240 --> 00:36:45,180

he says that polio was caused by people

746

00:36:51,059 --> 00:36:48,250

eating too much processed sugar and

747

00:36:53,430 --> 00:36:51,069

white flour and anyway they haven't

748

00:36:54,870 --> 00:36:53,440

actually eradicated polio from nearly

749

00:36:58,559 --> 00:36:54,880

every country on the planet

750

00:37:01,710 --> 00:36:58,569

they've just renamed polio as Ms Lou

751
00:37:04,319 --> 00:37:01,720
Gehrig's disease and others there's his

752
00:37:07,800 --> 00:37:04,329
jewel of Thor Ramadi a mixture of aloe

753
00:37:10,349 --> 00:37:07,810
vera and organic cinnamon leaf oil which

754
00:37:14,760 --> 00:37:10,359
is described as a daily shot of the

755
00:37:16,680 --> 00:37:14,770
elixir of life for just \$65 there's a

756
00:37:19,470 --> 00:37:16,690
14-day cleanse for two hundred and

757
00:37:22,730 --> 00:37:19,480
ninety five dollars ear candles home

758
00:37:27,900 --> 00:37:22,740
enema kits he does like a home enema kit

759
00:37:30,390 --> 00:37:27,910
juices anti-vaxxer also you dear

760
00:37:33,750 --> 00:37:30,400
listener can become a reseller for Don

761
00:37:37,140 --> 00:37:33,760
Tolman he doesn't like fluoridated water

762
00:37:39,240 --> 00:37:37,150
or genetically modified foods either so

763
00:37:41,160 --> 00:37:39,250

if you have been exposed to those you

764

00:37:45,059 --> 00:37:41,170

can find the remedy in the shop now

765

00:37:48,359 --> 00:37:45,069

section of his website he promotes

766

00:37:50,970 --> 00:37:48,369

medical medium Anthony Williams book who

767

00:37:52,859 --> 00:37:50,980

is qualified apparently to tell you

768

00:37:53,880 --> 00:37:52,869

about your health because he was quite

769

00:37:55,530 --> 00:37:53,890

born with the

770

00:37:57,330 --> 00:37:55,540

ability to converse with a high-level

771

00:38:00,390 --> 00:37:57,340

spirit end quote

772

00:38:03,660 --> 00:38:00,400

I guess that's better than a low or

773

00:38:06,480 --> 00:38:03,670

medium level spirit he also doesn't mind

774

00:38:07,860 --> 00:38:06,490

a bit of victim blaming let me finish

775

00:38:10,680 --> 00:38:07,870

with a Donne Talmud quote that

776

00:38:12,900 --> 00:38:10,690

illustrates this please keep this in

777

00:38:15,870 --> 00:38:12,910

mind if you or a loved one is ever in a

778

00:38:17,850 --> 00:38:15,880

car crash or diagnosed with cancer or

779

00:38:21,410 --> 00:38:17,860

you have some other equally horrific

780

00:38:24,510 --> 00:38:21,420

thing happen in your life actually

781

00:38:26,220 --> 00:38:24,520

please don't keep it in mind as soon as

782

00:38:28,310 --> 00:38:26,230

you hear it immediately wipe it from

783

00:38:32,400 --> 00:38:28,320

your mind and never think of it again

784

00:38:35,820 --> 00:38:32,410

Don says quote no one ever dies unless

785

00:38:37,800 --> 00:38:35,830

they choose to die even if you're

786

00:38:39,090 --> 00:38:37,810

smashed in an automobile accident and

787

00:38:41,670 --> 00:38:39,100

crushed to the point of not being

788

00:38:45,420 --> 00:38:41,680

functional within your body you will not

789

00:38:48,330 --> 00:38:45,430

die unless you choose to you can stay

790

00:38:50,640 --> 00:38:48,340

there in a crushed mess and still have

791

00:38:53,130 --> 00:38:50,650

life literally being able to be recorded

792

00:38:57,200 --> 00:38:53,140

within the brain waves but the second

793

00:38:59,820 --> 00:38:57,210

you choose to die you do end quote

794

00:39:03,570 --> 00:38:59,830

don appears to be suggesting that it's

795

00:39:04,980 --> 00:39:03,580

your fault if you die does the

796

00:39:07,980 --> 00:39:04,990

five-year-old suffering from leukemia

797

00:39:11,700 --> 00:39:07,990

choose to die from it too I wonder what

798

00:39:14,430 --> 00:39:11,710

he'd say to that so is Don Tolman

799

00:39:18,150 --> 00:39:14,440

knowingly spreading falsehoods to make a

800

00:39:20,070 --> 00:39:18,160

buck or is he a true believer I don't

801
00:39:22,410 --> 00:39:20,080
know and I'm not sure it even matters

802
00:39:24,030 --> 00:39:22,420
the end result is that he has a

803
00:39:27,450 --> 00:39:24,040
following of people that are listening

804
00:39:29,370 --> 00:39:27,460
to potentially dangerous advice I've

805
00:39:32,610 --> 00:39:29,380
only given a few examples of it in this

806
00:39:36,150 --> 00:39:32,620
report there are pages and pages more on

807
00:39:38,280 --> 00:39:36,160
his website if you hear the name Don

808
00:39:40,320 --> 00:39:38,290
Tolman come up in conversation and you

809
00:39:42,270 --> 00:39:40,330
have a family member or a friend that

810
00:39:45,060 --> 00:39:42,280
may be looking at going to one of his

811
00:39:47,160 --> 00:39:45,070
talks or buying his products let them

812
00:39:50,070 --> 00:39:47,170
know that much of his advice is neither

813
00:39:52,890 --> 00:39:50,080

scientifically backed nor even has any

814

00:39:55,500 --> 00:39:52,900

basis in reality his advice about

815

00:39:59,010 --> 00:39:55,510

healthy eating and exercise is not new

816

00:40:01,290 --> 00:39:59,020

everyone knows about that but that bit

817

00:40:03,600 --> 00:40:01,300

of science-based advice may lead for

818

00:40:06,450 --> 00:40:03,610

some vulnerable people to start looking

819

00:40:07,320 --> 00:40:06,460

at his other advice and before they know

820

00:40:09,390 --> 00:40:07,330

it

821

00:40:12,180 --> 00:40:09,400

they maybe juice cleansing for cancer

822

00:40:16,230 --> 00:40:12,190

and pouring colloidal silver on their

823

00:40:18,630 --> 00:40:16,240

genitals and with that happy image in

824

00:40:20,520 --> 00:40:18,640

mind thanks for listening this has been

825

00:40:23,790 --> 00:40:20,530

hiding robertson from the northern

826

00:40:41,580 --> 00:40:23,800

reverse vaccination supporters jail for

827

00:40:43,140 --> 00:40:41,590

now now listeners may recall that i

828

00:40:46,110 --> 00:40:43,150

issued a call for help

829

00:40:48,780 --> 00:40:46,120

two weeks ago show number four nine to

830

00:40:51,090 --> 00:40:48,790

seven i have an email from dr. ken

831

00:40:53,250 --> 00:40:51,100

harvey and one from mel vickers mal is

832

00:40:55,920 --> 00:40:53,260

one of ken harvey students at Monash

833

00:40:58,410 --> 00:40:55,930

University they would like to pass on

834

00:41:00,990 --> 00:40:58,420

this sincere thanks via the show and

835

00:41:03,480 --> 00:41:01,000

I'll read out a list of names shortly

836

00:41:06,240 --> 00:41:03,490

now the call for help was in relation to

837

00:41:08,610 --> 00:41:06,250

a website that has very useful

838

00:41:10,980 --> 00:41:08,620

information for skeptics and Friends of

839

00:41:13,250 --> 00:41:10,990

science and medicine members the

840

00:41:17,520 --> 00:41:13,260

particular site in question has

841

00:41:20,400 --> 00:41:17,530

technical legal decisions known as C R P

842

00:41:23,400 --> 00:41:20,410

determinations these determinations are

843

00:41:26,070 --> 00:41:23,410

in relation to some particularly shonky

844

00:41:29,460 --> 00:41:26,080

advertising the determinations date back

845

00:41:31,710 --> 00:41:29,470

to nineteen ninety nine and there are

846

00:41:33,630 --> 00:41:31,720

about two thousand two hundred of them

847

00:41:36,090 --> 00:41:33,640

the types of products featured in these

848

00:41:40,230 --> 00:41:36,100

determinations are things like raspberry

849

00:41:42,810 --> 00:41:40,240

leaf extract tumeric pills ear candles

850

00:41:46,140 --> 00:41:42,820

homeopathy and vitac gummies

851
00:41:48,870 --> 00:41:46,150
those are lollies candy claimed to

852
00:41:51,360 --> 00:41:48,880
provide vitamins to your children and

853
00:41:53,600 --> 00:41:51,370
instead they deliver high sugar and high

854
00:41:56,400 --> 00:41:53,610
food acids to young developing teeth

855
00:42:00,270 --> 00:41:56,410
these are the kinds of marketing claims

856
00:42:02,010 --> 00:42:00,280
that really get skeptics annoyed a quick

857
00:42:03,990 --> 00:42:02,020
glance along the shelves of your local

858
00:42:06,510 --> 00:42:04,000
pharmacy should indicate that there is

859
00:42:08,640 --> 00:42:06,520
still a lot of work to do although it

860
00:42:10,470 --> 00:42:08,650
was only two weeks ago ayissha a call

861
00:42:12,570 --> 00:42:10,480
for help I'm told the website in

862
00:42:15,270 --> 00:42:12,580
question has been independently copied

863
00:42:17,730 --> 00:42:15,280

to four times I've had a look at one of

864

00:42:20,160 --> 00:42:17,740

the websites copied of the CRP

865

00:42:20,990 --> 00:42:20,170

determinations created by listener Dane

866

00:42:23,060 --> 00:42:21,000

Lewis

867

00:42:25,610 --> 00:42:23,070

it's excellent it looks better and works

868

00:42:27,950 --> 00:42:25,620

better than the original work now

869

00:42:30,080 --> 00:42:27,960

continues to analyze the determinations

870

00:42:33,410 --> 00:42:30,090

with the aim of using it to improve

871

00:42:35,810 --> 00:42:33,420

regulations and as such improved public

872

00:42:37,910 --> 00:42:35,820

protection this is all thanks to the

873

00:42:40,850 --> 00:42:37,920

small group of interested listeners who

874

00:42:42,620 --> 00:42:40,860

stepped forward and offered to help dr.

875

00:42:44,120 --> 00:42:42,630

ken Harvey and mal Vickers would like to

876

00:42:46,540 --> 00:42:44,130
offer their sincere thanks to the

877

00:42:51,100 --> 00:42:46,550
following people

878

00:42:56,000 --> 00:42:51,110
Stephen Edmonds mark Dawson Dane Lewis

879

00:42:57,200 --> 00:42:56,010
Steven Gunn and Matthew Bishop it would

880

00:42:58,730 --> 00:42:57,210
like some more information on this

881

00:43:03,190 --> 00:42:58,740
project there you can always drop

882

00:43:08,540 --> 00:43:03,200
Malvika a note and the email is f sm

883

00:43:10,300 --> 00:43:08,550
complaints at gmail.com and a thank you

884

00:43:12,650 --> 00:43:10,310
for me to the skeptic zone listeners

885

00:43:15,540 --> 00:43:12,660
it's wonderful to know that there's a

886

00:43:33,210 --> 00:43:15,550
worldwide resource for us to use

887

00:43:40,700 --> 00:43:35,050
[Laughter]

888

00:43:46,470 --> 00:43:43,140

from the skeptic the Journal of

889

00:43:52,579 --> 00:43:46,480

Australian skeptics vol 38 number one

890

00:43:55,500 --> 00:43:52,589

March 2018 the blind seer

891

00:43:56,880 --> 00:43:55,510

richardsaunders looks into a famous case

892

00:44:00,059 --> 00:43:56,890

of the disappearance of young children

893

00:44:04,730 --> 00:44:00,069

and Australia's baptism into the world

894

00:44:11,060 --> 00:44:07,820

[Music]

895

00:44:13,130 --> 00:44:11,070

in 2017 Detective Chief Inspector Gary

896

00:44:15,710 --> 00:44:13,140

deublin of the New South Wales Police

897

00:44:17,210 --> 00:44:15,720

Force made the point that quote we're

898

00:44:19,670 --> 00:44:17,220

not interested in information from

899

00:44:22,190 --> 00:44:19,680

clairvoyance or people that have had

900

00:44:24,770 --> 00:44:22,200

dreams what we're interested in is

901
00:44:29,870 --> 00:44:24,780
people that have genuine information in

902
00:44:31,580 --> 00:44:29,880
quote he was speaking in reference to

903
00:44:35,420 --> 00:44:31,590
the case of the disappearance of three

904
00:44:38,120 --> 00:44:35,430
year old William Tyrell in 2014 but his

905
00:44:40,910 --> 00:44:38,130
views no doubt born of long and

906
00:44:43,700 --> 00:44:40,920
frustrating experience reflect on a much

907
00:44:45,740 --> 00:44:43,710
earlier case the tragedy of the missing

908
00:44:48,440 --> 00:44:45,750
Beaumont children was recently revisited

909
00:44:51,440 --> 00:44:48,450
with another fruitless search for their

910
00:44:54,950 --> 00:44:51,450
remains more than 50 years after their

911
00:44:56,570 --> 00:44:54,960
disappearance from an Adelaide Beach but

912
00:44:59,360 --> 00:44:56,580
this case is a lesson in how

913
00:45:01,610 --> 00:44:59,370

practitioners of the paranormal and in

914

00:45:04,400 --> 00:45:01,620

particular psychics latch on to any

915

00:45:10,859 --> 00:45:04,410

potentially and vintagy situation the

916

00:45:17,559 --> 00:45:15,099

on the 26th of January 1966 and blazing

917

00:45:20,200 --> 00:45:17,569

hot day in Adelaide three children went

918

00:45:23,290 --> 00:45:20,210

for a day at Glenelg Beach and never

919

00:45:25,089 --> 00:45:23,300

came home over half a century later the

920

00:45:27,450 --> 00:45:25,099

case of the Beaumont children remains

921

00:45:30,010 --> 00:45:27,460

one of Australia's greatest mysteries

922

00:45:33,370 --> 00:45:30,020

although several people suspected of

923

00:45:36,579 --> 00:45:33,380

abducting Jane Anna and grant have been

924

00:45:38,559 --> 00:45:36,589

flagged over the years the police as far

925

00:45:41,559 --> 00:45:38,569

as we know are still no closer to

926

00:45:44,319 --> 00:45:41,569

solving the disappearance this case is

927

00:45:47,410 --> 00:45:44,329

also infamous in the paranormal sphere

928

00:45:50,680 --> 00:45:47,420

as Australia's most publicized use of a

929

00:45:52,240 --> 00:45:50,690

so-called psychic and detective in the

930

00:45:54,370 --> 00:45:52,250

months following the disappearance of

931

00:45:56,740 --> 00:45:54,380

the children and with no progress being

932

00:46:00,130 --> 00:45:56,750

made in the case a local Adelaide

933

00:46:03,400 --> 00:46:00,140

citizen Yann Vinci wrote to fellow

934

00:46:06,400 --> 00:46:03,410

Dutchman Gerard Chrisette who by the

935

00:46:08,460 --> 00:46:06,410

early 1960s was claiming a reputation of

936

00:46:11,290 --> 00:46:08,470

being able to help police in solving

937

00:46:14,250 --> 00:46:11,300

missing-persons cases using his quote

938

00:46:16,960 --> 00:46:14,260

psychic visions end quote corset replied

939

00:46:19,539 --> 00:46:16,970

stating he thought the children were

940

00:46:22,059 --> 00:46:19,549

dead and buried about 800 meters from

941

00:46:23,380 --> 00:46:22,069

the beach however his visions did not

942

00:46:25,510 --> 00:46:23,390

imply a foul play

943

00:46:28,450 --> 00:46:25,520

he said the children had died from an

944

00:46:31,329 --> 00:46:28,460

accidental cave-in after exploring some

945

00:46:33,400 --> 00:46:31,339

sort of tunnel the media picked up on

946

00:46:35,770 --> 00:46:33,410

the story as the case was still fresh in

947

00:46:37,120 --> 00:46:35,780

the public's imagination and soon more

948

00:46:41,020 --> 00:46:37,130

and more people were reading about

949

00:46:44,770 --> 00:46:41,030

Cosette and his visions the newspapers

950

00:46:47,410 --> 00:46:44,780

labelled him as a quote seer

951
00:46:50,140 --> 00:46:47,420
and quote in the headlines that were to

952
00:46:52,720 --> 00:46:50,150
come the media were beside themselves as

953
00:46:54,700 --> 00:46:52,730
reports of new visions from Cosette

954
00:46:57,089 --> 00:46:54,710
appeared in newspapers and magazines

955
00:46:59,920 --> 00:46:57,099
such as the Australian Women's Weekly

956
00:47:02,530 --> 00:46:59,930
such was the fascination and hope in

957
00:47:05,140 --> 00:47:02,540
what this SIA had to offer that it was

958
00:47:08,289 --> 00:47:05,150
soon organized via the sponsorship of

959
00:47:10,990 --> 00:47:08,299
property businessman Cohn Pilates for a

960
00:47:12,579 --> 00:47:11,000
cassette to fly to Australia to search

961
00:47:15,849 --> 00:47:12,589
for the children in person

962
00:47:18,640 --> 00:47:15,859
psychic searches Chris ed arrived in

963
00:47:21,609 --> 00:47:18,650

Adelaide on the night of November 8 1966

964

00:47:22,089 --> 00:47:21,619

and was greeted by hundreds of people in

965

00:47:24,759 --> 00:47:22,099

media

966

00:47:26,529 --> 00:47:24,769

crews from TV radio and newspapers it

967

00:47:28,719 --> 00:47:26,539

was front page news in the advertiser

968

00:47:30,880 --> 00:47:28,729

the local adelaide paper the next

969

00:47:33,940 --> 00:47:30,890

morning which reported the event as

970

00:47:36,279 --> 00:47:33,950

being frantic it is largely through the

971

00:47:38,769 --> 00:47:36,289

reports in that newspaper that we can

972

00:47:41,259 --> 00:47:38,779

piece together cassettes activities over

973

00:47:44,140 --> 00:47:41,269

the next couple of days from the

974

00:47:47,499 --> 00:47:44,150

advertiser of November the 10th quote

975

00:47:49,719 --> 00:47:47,509

tension yesterday was a day of tension

976

00:47:52,210 --> 00:47:49,729

as he walked several miles and drove

977

00:47:54,640 --> 00:47:52,220

many more through the streets and along

978

00:47:57,880 --> 00:47:54,650

the four Shores spurred onwards by his

979

00:48:00,269 --> 00:47:57,890

visions men quote the report included a

980

00:48:03,969 --> 00:48:00,279

map of the places visited by cassette a

981

00:48:06,039 --> 00:48:03,979

detailed rundown of things like houses

982

00:48:08,499 --> 00:48:06,049

and other landmarks he had seen in his

983

00:48:11,289 --> 00:48:08,509

visions and quoting him saying he had a

984

00:48:13,529 --> 00:48:11,299

quote a very strong feeling in quote

985

00:48:16,150 --> 00:48:13,539

about the location of the children

986

00:48:18,579 --> 00:48:16,160

however in reading these reports one

987

00:48:21,039 --> 00:48:18,589

cannot escape the impression of someone

988

00:48:24,460 --> 00:48:21,049

just looking around streets at random

989

00:48:26,920 --> 00:48:24,470

making notes and moving on followed by

990

00:48:28,989 --> 00:48:26,930

20 members of the press the next day

991

00:48:32,140 --> 00:48:28,999

brought a startling twist to the story

992

00:48:34,359 --> 00:48:32,150

Croisette spent an hour interviewing a

993

00:48:36,579 --> 00:48:34,369

woman who claimed she heard the Beaumont

994

00:48:40,059 --> 00:48:36,589

children playing outside her house the

995

00:48:42,190 --> 00:48:40,069

day after they disappeared she too had a

996

00:48:45,759 --> 00:48:42,200

vision and was convinced they were

997

00:48:48,339 --> 00:48:45,769

buried in a lot she once owned all this

998

00:48:50,799 --> 00:48:48,349

was gold for newspaper copy eventually

999

00:48:53,709 --> 00:48:50,809

however was that rejected this woman's

1000

00:48:56,349 --> 00:48:53,719

visions on the 12th the front page of

1001
00:48:59,680 --> 00:48:56,359
the advertiser read quote Croisette

1002
00:49:02,680 --> 00:48:59,690
picks spot decision awaited dutch

1003
00:49:05,140 --> 00:49:02,690
clairvoyant Gerard Cosette climaxes two

1004
00:49:06,910 --> 00:49:05,150
and a half day search when he said

1005
00:49:08,799 --> 00:49:06,920
yesterday the Beaumont children were

1006
00:49:11,319 --> 00:49:08,809
buried between eight and ten feet

1007
00:49:14,170 --> 00:49:11,329
beneath the concrete floor of a newly

1008
00:49:17,200 --> 00:49:14,180
built warehouse in Wilton Avenue / Inga

1009
00:49:19,349 --> 00:49:17,210
Park in quote crowds of people flocked

1010
00:49:21,160 --> 00:49:19,359
to the site out of curiosity or

1011
00:49:23,739 --> 00:49:21,170
anticipation of something being

1012
00:49:26,200 --> 00:49:23,749
discovered 4-core said however it was

1013
00:49:29,440 --> 00:49:26,210

time to leave Adelaide to continue his

1014

00:49:31,539 --> 00:49:29,450

trip to New York to give lectures before

1015

00:49:34,749 --> 00:49:31,549

he left he paid a visit to the Beaumont

1016

00:49:35,900 --> 00:49:34,759

parents mrs. Beaumont at least refused

1017

00:49:39,440 --> 00:49:35,910

to believe her children

1018

00:49:43,339 --> 00:49:39,450

dead despite corsets visions the quote

1019

00:49:45,349 --> 00:49:43,349

decision awaited unquote refers to talks

1020

00:49:47,329 --> 00:49:45,359

held by the South Australian premier

1021

00:49:48,500 --> 00:49:47,339

Frank Walsh and the Deputy Commissioner

1022

00:49:51,410 --> 00:49:48,510

of Police

1023

00:49:53,809 --> 00:49:51,420

Geoffrey leaned to consider what should

1024

00:49:56,390 --> 00:49:53,819

be done in the view of the police there

1025

00:49:58,490 --> 00:49:56,400

was no reason and no real possibility

1026

00:50:01,339 --> 00:49:58,500

the children could be buried under the

1027

00:50:04,250 --> 00:50:01,349

warehouse on the 15th state cabinet

1028

00:50:07,339 --> 00:50:04,260

decided not to authorize excavations

1029

00:50:09,559 --> 00:50:07,349

with Walsh saying quote excavations of

1030

00:50:12,559 --> 00:50:09,569

this area would be a waste of time money

1031

00:50:14,799 --> 00:50:12,569

and effort in quote this news came as a

1032

00:50:17,150 --> 00:50:14,809

great disappointment to Pilates and

1033

00:50:20,390 --> 00:50:17,160

thousands who had followed the exploits

1034

00:50:24,410 --> 00:50:20,400

of Cosette but the story was far from

1035

00:50:27,859 --> 00:50:24,420

over by early May 1967 a group calling

1036

00:50:30,589 --> 00:50:27,869

itself the citizens action committee had

1037

00:50:32,480 --> 00:50:30,599

raised around forty thousand dollars to

1038

00:50:35,510 --> 00:50:32,490

fund a private excavation of the

1039

00:50:38,029 --> 00:50:35,520

warehouse days of digging to a depth of

1040

00:50:41,870 --> 00:50:38,039

up to fifteen feet at the spot chosen by

1041

00:50:46,220 --> 00:50:41,880

Cosette followed but with no results the

1042

00:50:48,380 --> 00:50:46,230

continuing story we now travel to 1996

1043

00:50:50,539 --> 00:50:48,390

the 30th anniversary of the

1044

00:50:52,029 --> 00:50:50,549

disappearance and once again the

1045

00:50:55,190 --> 00:50:52,039

warehouse was subject to another

1046

00:50:58,670 --> 00:50:55,200

excavation this time funded by Pilates

1047

00:51:00,799 --> 00:50:58,680

who after so long was still clinging on

1048

00:51:05,269 --> 00:51:00,809

to the belief that Cosette was the real

1049

00:51:08,329 --> 00:51:05,279

deal once again nothing was found in

1050

00:51:11,210 --> 00:51:08,339

January 2018 over 50 years had passed

1051
00:51:13,940 --> 00:51:11,220
but still there was a need for many to

1052
00:51:15,470 --> 00:51:13,950
somehow prove the psychic right police

1053
00:51:18,109 --> 00:51:15,480
received information on a possible

1054
00:51:20,240 --> 00:51:18,119
burial site in another warehouse some

1055
00:51:23,000 --> 00:51:20,250
five kilometers away from the one in

1056
00:51:25,400 --> 00:51:23,010
Wilton Avenue in the days leading up to

1057
00:51:29,059 --> 00:51:25,410
the new dig this time conducted by

1058
00:51:30,859 --> 00:51:29,069
police the new daily online ran the

1059
00:51:33,470 --> 00:51:30,869
story with the angle that if the

1060
00:51:36,470 --> 00:51:33,480
children were to be found in this new

1061
00:51:38,779 --> 00:51:36,480
location quote Cosette dismissed by

1062
00:51:41,500 --> 00:51:38,789
skeptics as a fraud at the time might at

1063
00:51:44,329 --> 00:51:41,510

least be partially vindicated in quote

1064

00:51:46,700 --> 00:51:44,339

sadly no trace of the children was found

1065

00:51:49,140 --> 00:51:46,710

we can suspect that Gerard quest that

1066

00:51:51,480 --> 00:51:49,150

who died in 1918 like

1067

00:51:54,450 --> 00:51:51,490

so many others over the years truly

1068

00:51:57,120 --> 00:51:54,460

believed he had psychic insights and was

1069

00:51:58,890 --> 00:51:57,130

an aid to investigations even today in

1070

00:52:01,140 --> 00:51:58,900

Australia and throughout the world we

1071

00:52:04,140 --> 00:52:01,150

can find people claiming they quote help

1072

00:52:06,809 --> 00:52:04,150

police and quote via their mystical

1073

00:52:09,059 --> 00:52:06,819

powers some are even consulted by police

1074

00:52:11,640 --> 00:52:09,069

who really should know better and this

1075

00:52:14,760 --> 00:52:11,650

interaction only goes to reinforce the

1076

00:52:17,730 --> 00:52:14,770

delusion held by the psychic who then

1077

00:52:20,789 --> 00:52:17,740

goes on to state quote I help the police

1078

00:52:24,059 --> 00:52:20,799

in quote or quote I have worked on

1079

00:52:26,039 --> 00:52:24,069

so-and-so case men quote but even if

1080

00:52:29,160 --> 00:52:26,049

they are never consulted by the police

1081

00:52:32,010 --> 00:52:29,170

or consulted on another matter they can

1082

00:52:35,190 --> 00:52:32,020

still make the same claims a case in

1083

00:52:38,760 --> 00:52:35,200

point is an an and a favorite of Woman's

1084

00:52:42,000 --> 00:52:38,770

Day magazine in 2004 she was interviewed

1085

00:52:46,190 --> 00:52:42,010

on TV by Carrie and keneley who asked

1086

00:52:50,400 --> 00:52:46,200

her what cases she had worked on and and

1087

00:52:53,000 --> 00:52:50,410

granny killers and backpacker Carrie Ann

1088

00:52:56,700 --> 00:52:53,010

Kenley and how helpful was that

1089

00:52:58,319 --> 00:52:56,710

information to the police and and with

1090

00:53:00,599 --> 00:52:58,329

the granny killers I told them four

1091

00:53:04,200 --> 00:53:00,609

months before the mistake I made his

1092

00:53:06,839 --> 00:53:04,210

house was number 18 not 81 so I had the

1093

00:53:07,940 --> 00:53:06,849

address the number of the house back to

1094

00:53:11,460 --> 00:53:07,950

front

1095

00:53:15,870 --> 00:53:11,470

Carrie and Kenley say you actually gave

1096

00:53:18,299 --> 00:53:15,880

them the address and and yes Carrie Anne

1097

00:53:22,769 --> 00:53:18,309

Kenley Wow how did the police take that

1098

00:53:24,510 --> 00:53:22,779

information and and I don't know when

1099

00:53:26,940 --> 00:53:24,520

I'm getting something I just put it down

1100

00:53:29,039 --> 00:53:26,950

and I send it off it's for them what

1101
00:53:31,410 --> 00:53:29,049
they do with it and of course we only

1102
00:53:33,900 --> 00:53:31,420
have her word for it that she actually

1103
00:53:36,059 --> 00:53:33,910
sent anything to the police at all she

1104
00:53:38,519 --> 00:53:36,069
has no idea if they even received it or

1105
00:53:40,799 --> 00:53:38,529
read it or acted upon it in any way in

1106
00:53:43,440 --> 00:53:40,809
any case she sent them a wrong number

1107
00:53:47,010 --> 00:53:43,450
and we have no reason to suspect she

1108
00:53:49,680 --> 00:53:47,020
gave them the right street name yet she

1109
00:53:51,809 --> 00:53:49,690
has visions and goes around boasting she

1110
00:53:53,700 --> 00:53:51,819
helps the police aided in this delusion

1111
00:53:57,120 --> 00:53:53,710
by the media who know this sort of thing

1112
00:53:59,819 --> 00:53:57,130
sells stories I'm sure in her own mind

1113
00:54:02,190 --> 00:53:59,829

she really thinks Mike Recep did all

1114

00:54:02,750 --> 00:54:02,200

those years ago she does help the police

1115

00:54:05,810 --> 00:54:02,760

who

1116

00:54:08,630 --> 00:54:05,820

hope would file her letters in the round

1117

00:54:10,610 --> 00:54:08,640

filing cabinet it is worth mentioning

1118

00:54:14,120 --> 00:54:10,620

that at the time of writing February

1119

00:54:16,760 --> 00:54:14,130

2018 both the Beaumont parents are still

1120

00:54:19,100 --> 00:54:16,770

alive losing their children turned out

1121

00:54:24,570 --> 00:54:19,110

to be a life sentence for them with no

1122

00:54:31,690 --> 00:54:29,050

and that story was the blind seer by

1123

00:54:33,700 --> 00:54:31,700

Richard Saunders from the skeptic the

1124

00:54:49,480 --> 00:54:33,710

Journal of Australian skeptics vol 38

1125

00:54:51,400 --> 00:54:49,490

number one March 2018 hi this is Ben

1126
00:54:53,260 --> 00:54:51,410
Radford and this is Pascual romero from

1127
00:54:55,450 --> 00:54:53,270
the squaring the strange podcast every

1128
00:54:58,030 --> 00:54:55,460
week my co-host and I cast a skeptical

1129
00:55:00,220 --> 00:54:58,040
eye at a different topic monsters ghosts

1130
00:55:02,440 --> 00:55:00,230
demons mysteries and even current events

1131
00:55:04,480 --> 00:55:02,450
are dissected and discussed with a fun

1132
00:55:06,340 --> 00:55:04,490
unscripted and skeptical take that

1133
00:55:08,710 --> 00:55:06,350
you're sure to enjoy find us as squaring

1134
00:55:21,609 --> 00:55:08,720
strange comm iTunes or on your favorite

1135
00:55:26,900 --> 00:55:24,020
thank you for listening to the skeptic

1136
00:55:30,190 --> 00:55:26,910
zone and that was the last of the 400

1137
00:55:33,890 --> 00:55:30,200
series next week is show number 500 and

1138
00:55:38,900 --> 00:55:33,900

if you had told me almost 10 years ago

1139

00:55:40,580 --> 00:55:38,910

that that there would be a show 500 well

1140

00:55:43,460 --> 00:55:40,590

you know how it is you can never predict

1141

00:55:45,470 --> 00:55:43,470

the future actually that reminds me of

1142

00:55:49,130 --> 00:55:45,480

an interesting thing I put out recently

1143

00:55:51,280 --> 00:55:49,140

a question which was inspired by my

1144

00:55:55,070 --> 00:55:51,290

working on this great prediction project

1145

00:55:58,730 --> 00:55:55,080

if people can predict the future or can

1146

00:56:00,530 --> 00:55:58,740

they but all my thinking was I don't

1147

00:56:03,980 --> 00:56:00,540

think it's possible as far as I know in

1148

00:56:07,640 --> 00:56:03,990

physics through to send information into

1149

00:56:10,160 --> 00:56:07,650

the past ah from the future or from the

1150

00:56:13,220 --> 00:56:10,170

present to send that back in time so to

1151
00:56:16,310 --> 00:56:13,230
speak so if people claim they can look

1152
00:56:18,800 --> 00:56:16,320
into the future psychics and so on then

1153
00:56:21,500 --> 00:56:18,810
they must be getting information from

1154
00:56:23,330 --> 00:56:21,510
the future and from the futures point of

1155
00:56:27,440 --> 00:56:23,340
view that information is being sent into

1156
00:56:31,280 --> 00:56:27,450
the past this has stirred a lot of

1157
00:56:33,020 --> 00:56:31,290
comment and interesting thinking on on

1158
00:56:36,230 --> 00:56:33,030
the internet lately you might want to

1159
00:56:38,420 --> 00:56:36,240
have a think about that yourself anyway

1160
00:56:40,460 --> 00:56:38,430
so um 10 years ago

1161
00:56:42,349 --> 00:56:40,470
I certainly didn't receive any

1162
00:56:45,740 --> 00:56:42,359
information from myself now saying that

1163
00:56:48,830 --> 00:56:45,750

there would be a show 500 so I hope to

1164

00:56:51,020 --> 00:56:48,840

bring you on show 500 a think tank this

1165

00:56:52,520 --> 00:56:51,030

is the meeting we used to do regularly

1166

00:56:54,680 --> 00:56:52,530

in the early days of the skeptic zone

1167

00:56:58,370 --> 00:56:54,690

and we'll have a few old favorites come

1168

00:57:00,830 --> 00:56:58,380

along to join me in the think tank also

1169

00:57:03,380 --> 00:57:00,840

dr. Cassandra Perryman has sent me

1170

00:57:06,170 --> 00:57:03,390

report for the case files the welcome

1171

00:57:08,840 --> 00:57:06,180

return of dr. Cassandra looking into why

1172

00:57:11,750 --> 00:57:08,850

people keep believing frankly the

1173

00:57:16,400 --> 00:57:11,760

unbelievable also I think we'll be

1174

00:57:18,530 --> 00:57:16,410

playing some messages of birth of our of

1175

00:57:20,720 --> 00:57:18,540

our congratulations from around the

1176

00:57:22,580 --> 00:57:20,730

world which is very nice and I think

1177

00:57:24,830 --> 00:57:22,590

we'll have a report for you from the

1178

00:57:27,410 --> 00:57:24,840

vaccination clinic that we mentioned

1179

00:57:29,150 --> 00:57:27,420

just before at the top of the show lots

1180

00:57:32,180 --> 00:57:29,160

of things to look forward to next week

1181

00:57:34,460 --> 00:57:32,190

but from show number four nine nine

1182

00:57:35,089 --> 00:57:34,470

this is Richard Saunders signing off

1183

00:57:41,269 --> 00:57:35,099

from

1184

00:57:44,059 --> 00:57:41,279

in Australia you've been listening to

1185

00:57:50,719 --> 00:57:44,069

the skeptic zone podcast please visit

1186

00:57:53,539 --> 00:57:50,729

our website at wwlp.com tax and to

1187

00:57:57,170 --> 00:57:53,549

access the bat catalog of episodes going

1188

00:57:59,979 --> 00:57:57,180

back to 2008 you can follow the skeptic

1189

00:58:02,719 --> 00:57:59,989

zone podcast on twitter at skeptic zone

1190

00:58:04,269 --> 00:58:02,729

visit our facebook page or leave a

1191

00:58:06,950 --> 00:58:04,279

review on itunes

1192

00:58:10,339 --> 00:58:06,960

you can also support the skeptic zone

1193

00:58:13,059 --> 00:58:10,349

via patreon or PayPal the skeptic zone

1194

00:58:15,440 --> 00:58:13,069

podcast is an independent production

1195

00:58:17,569 --> 00:58:15,450

reviews and opinions expressed on the

1196

00:58:19,910 --> 00:58:17,579

skeptic zone are not necessarily those

1197

00:58:21,750 --> 00:58:19,920

of Australian skeptics for any other

1198

00:58:31,080 --> 00:58:21,760

skeptical organization

1199

00:58:36,580 --> 00:58:34,030

happy birthday to the raw sceptic Heidi

1200

00:58:37,990 --> 00:58:36,590

Robinson who does a wonderful job for

1201

00:58:39,430 --> 00:58:38,000

the Northern Rivers vaccination

1202

00:58:41,830 --> 00:58:39,440

supporters

1203

00:58:44,530 --> 00:58:41,840

I really admire the work you do Heidi

1204

00:58:46,840 --> 00:58:44,540

sincerely and here's a funny clip for

1205

00:58:49,210 --> 00:58:46,850

your birthday any medical professional

1206

00:58:54,430 --> 00:58:49,220

will tell you is extremely dangerous

1207

00:58:58,660 --> 00:58:54,440

advice for diabetics that's my dog

1208

00:59:02,860 --> 00:58:58,670

eating a bone on the floor okay I think

1209

00:59:11,020 --> 00:59:02,870

you stopped now your candle my dog can

1210

00:59:14,410 --> 00:59:11,030

you stop stop with the pine no no all

1211

00:59:18,120 --> 00:59:14,420

right I'll check the bone out here go