

**The Skeptic Zone**  
**Show 355 - 9 August 2015**



**The Skeptic Zone LIVE**

1  
00:00:11,990 --> 00:00:10,129  
welcome to the sky zone live right time

2  
00:00:14,120 --> 00:00:12,000  
to go I don't believe in that as it's

3  
00:00:15,890 --> 00:00:14,130  
the podcast from Australia for science

4  
00:00:18,170 --> 00:00:15,900  
and reason and a few other things we can

5  
00:00:24,970 --> 00:00:18,180  
mention and here are your hosts to

6  
00:00:30,470 --> 00:00:28,520  
return I'm sorry and hello everybody

7  
00:00:34,520 --> 00:00:30,480  
here at Sydney's skeptics in the pub and

8  
00:00:36,260 --> 00:00:34,530  
welcome to the skeptics on live and it's

9  
00:00:38,150 --> 00:00:36,270  
so good to see all you people in three

10  
00:00:39,710 --> 00:00:38,160  
dimensions I'm only used to see you a

11  
00:00:41,960 --> 00:00:39,720  
little square portrait photos on

12  
00:00:43,880 --> 00:00:41,970  
Facebook and you're actually real either

13  
00:00:47,060 --> 00:00:43,890

you're all scamming me and spamming me

14

00:00:49,160 --> 00:00:47,070

but now you're real humans welcome the

15

00:00:51,410 --> 00:00:49,170

last time thank you humans the last time

16

00:00:54,110 --> 00:00:51,420

we did a skeptic zone live was almost

17

00:00:56,000 --> 00:00:54,120

five years ago believe in a night and

18

00:00:59,329 --> 00:00:56,010

that was it boo someone could have good

19

00:01:00,680 --> 00:00:59,339

oh no no no I would you do it more often

20

00:01:03,079 --> 00:01:00,690

we should do it more often that was at

21

00:01:05,329 --> 00:01:03,089

tam Australia and that was almost five

22

00:01:06,950 --> 00:01:05,339

years ago now we have a bigger audience

23

00:01:09,890 --> 00:01:06,960

here tonight at skeptics in the pub it's

24

00:01:11,540 --> 00:01:09,900

full to the brim and embedded embedded

25

00:01:13,700 --> 00:01:11,550

in the audience like those people who

26

00:01:16,250 --> 00:01:13,710

were embedded in the war zones it's may

27

00:01:17,810 --> 00:01:16,260

not hello Mina it's like a large queen

28

00:01:20,170 --> 00:01:17,820

bed and we're on to our third bottle of

29

00:01:24,469 --> 00:01:20,180

wine so shut up and get on with the show

30

00:01:27,710 --> 00:01:24,479

that's a spirit joining us tonight for

31

00:01:30,080 --> 00:01:27,720

the skeptic zone live of course my

32

00:01:34,490 --> 00:01:30,090

co-host since the beginning of the

33

00:01:37,100 --> 00:01:34,500

skeptic zone Stefan psycho who these

34

00:01:39,650 --> 00:01:37,110

days only has about one in every 132

35

00:01:41,690 --> 00:01:39,660

episodes but I'm still here yes Stefan

36

00:01:46,460 --> 00:01:41,700

is the man who came up with the name the

37

00:01:49,400 --> 00:01:46,470

skeptic zone that was so so quick so

38

00:01:52,880 --> 00:01:49,410

creative it was just brilliant yeah so

39

00:01:54,860 --> 00:01:52,890

original now I've just been to the

40

00:01:56,300 --> 00:01:54,870

states and I brought back some goodies

41

00:02:00,740 --> 00:01:56,310

for some people Stefan have some

42

00:02:03,470 --> 00:02:00,750

saltwater taffy do they have any

43

00:02:06,200 --> 00:02:03,480

medicinal value yes they cure everything

44

00:02:09,350 --> 00:02:06,210

oh my god thank you it's getting in them

45

00:02:12,140 --> 00:02:09,360

already also joining us for the skeptic

46

00:02:17,020 --> 00:02:12,150

zone live it's Joe alabaster Joe come up

47

00:02:21,500 --> 00:02:19,370

I'm not quite as tall as you have to

48

00:02:23,330 --> 00:02:21,510

adjust the microphone we can do that

49

00:02:28,070 --> 00:02:23,340

when you're bit comes and for Joe you've

50

00:02:32,650 --> 00:02:28,080

got a mug from San Francisco 0 NE well

51  
00:02:42,140 --> 00:02:35,960  
we thought we should do a remark without

52  
00:02:44,120 --> 00:02:42,150  
harmful thank you Stefan joining us from

53  
00:02:45,830 --> 00:02:44,130  
the north coast region of New South

54  
00:02:54,440 --> 00:02:45,840  
Wales it's the raw skeptic Heidi

55  
00:02:57,050 --> 00:02:54,450  
Robinson Heidi and for Heidi what do we

56  
00:03:00,740 --> 00:02:57,060  
have from San Francisco lovely

57  
00:03:02,750 --> 00:03:00,750  
chocolates oh there we go thank you

58  
00:03:04,880 --> 00:03:02,760  
ladies come a long way to be with us

59  
00:03:06,350 --> 00:03:04,890  
today so thank you very much Heidi also

60  
00:03:08,300 --> 00:03:06,360  
joining us for the skeptic zone live

61  
00:03:15,229 --> 00:03:08,310  
it's the president of Australian

62  
00:03:16,699 --> 00:03:15,239  
skeptics around together hello here's

63  
00:03:19,069 --> 00:03:16,709

the man who likes to take a chance so

64

00:03:23,750 --> 00:03:19,079

from Las Vegas a couple of casino dice

65

00:03:26,500 --> 00:03:23,760

there you go no expense spared for this

66

00:03:29,090 --> 00:03:26,510

show ladies do I can promise you that oh

67

00:03:32,390 --> 00:03:29,100

we've got one more thing on the table of

68

00:03:36,550 --> 00:03:32,400

course of course also joining us the

69

00:03:39,410 --> 00:03:36,560

regular skeptic zone reporter mean are

70

00:03:44,210 --> 00:03:39,420

you got that part from San Francisco I

71

00:03:46,590 --> 00:03:44,220

asked you for this is ring the party Las

72

00:03:49,060 --> 00:03:46,600

Vegas

73

00:03:54,160 --> 00:03:49,070

that's it we're going to be using this

74

00:03:56,830 --> 00:03:54,170

tonight so Saunders I believe you could

75

00:04:00,820 --> 00:03:56,840

be full of there we go it's absolutely

76  
00:04:03,010 --> 00:04:00,830  
true negative three waitresses that was

77  
00:04:04,360 --> 00:04:03,020  
earlier so tonight's going to be sort of

78  
00:04:05,980 --> 00:04:04,370  
like the show itself we're going to have

79  
00:04:07,480 --> 00:04:05,990  
different segments different reporters

80  
00:04:10,570 --> 00:04:07,490  
giving their report and we've got a

81  
00:04:13,840 --> 00:04:10,580  
special report from dr. rachy who's now

82  
00:04:16,390 --> 00:04:13,850  
studying researching i should say in the

83  
00:04:18,160 --> 00:04:16,400  
united states she sent her dr. ray chira

84  
00:04:19,210 --> 00:04:18,170  
port which will be hearing a bit later

85  
00:04:21,640 --> 00:04:19,220  
on but we're going to kick off with a

86  
00:04:23,530 --> 00:04:21,650  
report from me steppin but from you from

87  
00:04:25,390 --> 00:04:23,540  
me from here let's cross over to you

88  
00:04:27,790 --> 00:04:25,400

then shall we thank you lets himself

89

00:04:29,230 --> 00:04:27,800

okay I can't reach it over to you will

90

00:04:31,480 --> 00:04:29,240

cross over thank you are you crossing

91

00:04:33,310 --> 00:04:31,490

over I'm across stone behind he's

92

00:04:38,260 --> 00:04:33,320

crossing out okay over to your engine

93

00:04:40,000 --> 00:04:38,270

thank you Stefan so he can take a seat

94

00:04:42,190 --> 00:04:40,010

behind ladies and gentlemen I've just

95

00:04:43,930 --> 00:04:42,200

flown back last week I went to the

96

00:04:46,870 --> 00:04:43,940

United States for the amazing meeting

97

00:04:50,350 --> 00:04:46,880

tam in Las Vegas I've been going to Tam

98

00:04:51,820 --> 00:04:50,360

now every year since 2008 and I was part

99

00:04:54,190 --> 00:04:51,830

of the organizing committee for Tammy

100

00:04:58,780 --> 00:04:54,200

Australia which we said all those that

101  
00:05:02,380 --> 00:04:58,790  
may not return it's too many bells which

102  
00:05:04,210 --> 00:05:02,390  
was as we said five years ago and people

103  
00:05:06,160 --> 00:05:04,220  
have been asking me what it was like tam

104  
00:05:08,590 --> 00:05:06,170  
Las Vegas this year it was fantastic was

105  
00:05:12,400 --> 00:05:08,600  
in a new casino called the Tropicana

106  
00:05:14,110 --> 00:05:12,410  
which was on the strip as they say right

107  
00:05:15,970 --> 00:05:14,120  
in the heart of the action previously

108  
00:05:18,610 --> 00:05:15,980  
for many years it's been in the south

109  
00:05:21,250 --> 00:05:18,620  
point casino which is away from the main

110  
00:05:24,220 --> 00:05:21,260  
area so it was a nice change in people

111  
00:05:27,100 --> 00:05:24,230  
in fact I think Jessica singer whose

112  
00:05:29,500 --> 00:05:27,110  
where's Jessica one of the organizers

113  
00:05:31,480 --> 00:05:29,510

Thank You Jessica yes she was asking me

114

00:05:34,300 --> 00:05:31,490

earlier how Randy was how James Randi

115

00:05:37,570 --> 00:05:34,310

was he is and there's only one word for

116

00:05:39,580 --> 00:05:37,580

it amazing he was running around he was

117

00:05:41,320 --> 00:05:39,590

meeting everybody he was active he was

118

00:05:42,940 --> 00:05:41,330

doing lots of things in fact he was a

119

00:05:44,920 --> 00:05:42,950

lot better condition than he was when he

120

00:05:47,890 --> 00:05:44,930

was here last year doing his big tour

121

00:05:49,980 --> 00:05:47,900

because the two is very tiring so Randy

122

00:05:53,380 --> 00:05:49,990

is is doing really well we're not sure

123

00:05:55,030 --> 00:05:53,390

yet whether there will be a tan next

124

00:05:56,500 --> 00:05:55,040

year they're deciding that I suspect

125

00:05:58,890 --> 00:05:56,510

there will be because it was a good

126

00:06:01,530 --> 00:05:58,900

turnout and everybody

127

00:06:02,790 --> 00:06:01,540

join themselves now a lot of people have

128

00:06:04,800 --> 00:06:02,800

been asking me about the million-dollar

129

00:06:06,600 --> 00:06:04,810

challenge this year because every year

130

00:06:08,670 --> 00:06:06,610

at town we like to put together a

131

00:06:10,529 --> 00:06:08,680

challenge for the million dollars this

132

00:06:13,439 --> 00:06:10,539

year was a little bit of a different one

133

00:06:15,990 --> 00:06:13,449

we didn't have a challenger as such so

134

00:06:19,560 --> 00:06:16,000

we had a sort of a demonstration test

135

00:06:23,189 --> 00:06:19,570

challenge we didn't have anybody to have

136

00:06:26,159 --> 00:06:23,199

a agreed protocol with so we had a test

137

00:06:29,129 --> 00:06:26,169

of some audio cables vodka ethernet

138

00:06:31,920 --> 00:06:29,139

cables from audioquest which costs about

139

00:06:34,409 --> 00:06:31,930

10 times as much as a standard cable and

140

00:06:36,420 --> 00:06:34,419

the claim is or the hype is that if you

141

00:06:39,180 --> 00:06:36,430

buy these really expensive cables your

142

00:06:43,320 --> 00:06:39,190

digital musical sound better well we did

143

00:06:45,469 --> 00:06:43,330

a test on stage and the cables in our

144

00:06:47,730 --> 00:06:45,479

test at least didn't live up to the hype

145

00:06:49,260 --> 00:06:47,740

but a lot of people in the audience were

146

00:06:51,659 --> 00:06:49,270

picking holes in the way we did it and

147

00:06:54,300 --> 00:06:51,669

we can appreciate that I was only a

148

00:06:56,240 --> 00:06:54,310

demonstration test but still it made the

149

00:06:59,670 --> 00:06:56,250

point that under those conditions these

150

00:07:03,240 --> 00:06:59,680

vodka internet ether audioquest cables

151  
00:07:05,400 --> 00:07:03,250  
didn't live up to the hype but I can

152  
00:07:08,250 --> 00:07:05,410  
tell you that putting together a live

153  
00:07:10,140 --> 00:07:08,260  
demonstration / test for the million

154  
00:07:12,950 --> 00:07:10,150  
dollar challenge is very difficult and

155  
00:07:15,420 --> 00:07:12,960  
in years past it's been many many

156  
00:07:16,529 --> 00:07:15,430  
stressful hours at tan for me and the

157  
00:07:18,450 --> 00:07:16,539  
other members of the million dollar

158  
00:07:21,270 --> 00:07:18,460  
challenge committee to put this together

159  
00:07:23,909 --> 00:07:21,280  
talking with a person who's claiming the

160  
00:07:26,040 --> 00:07:23,919  
million dollars creating a stage show

161  
00:07:27,420 --> 00:07:26,050  
late nights rewriting scripts and

162  
00:07:30,060 --> 00:07:27,430  
everything like that but it's all part

163  
00:07:32,939 --> 00:07:30,070

of the fun it's all part of the fun

164

00:07:34,290 --> 00:07:32,949

which is Tam in Las Vegas and if you if

165

00:07:37,050 --> 00:07:34,300

it's on again next year and you get the

166

00:07:39,180 --> 00:07:37,060

chance I can recommend it may not you

167

00:07:40,530 --> 00:07:39,190

win a couple years ago yeah I'm still

168

00:07:44,730 --> 00:07:40,540

there

169

00:07:46,530 --> 00:07:44,740

he wore a gold suit he twice is the only

170

00:07:50,190 --> 00:07:46,540

man you can wear a gold suit Las Vegas

171

00:07:52,950 --> 00:07:50,200

and look out of place in danger that was

172

00:07:56,970 --> 00:07:52,960

rude to me it was fantastic hey rude you

173

00:07:59,910 --> 00:07:56,980

he was on his own time too that's a

174

00:08:02,850 --> 00:07:59,920

novelty alright well that's my that's my

175

00:08:05,700 --> 00:08:02,860

report our next segment coming up is

176

00:08:08,700 --> 00:08:05,710

from the very wonderful and lovely and

177

00:08:26,250 --> 00:08:08,710

somebody who I admire very much yes it's

178

00:08:29,439 --> 00:08:26,260

Joe alabaster come up Joe what we want

179

00:08:35,800 --> 00:08:29,449

is some more evidence please

180

00:08:39,260 --> 00:08:37,760

hello I'm probably going to be a little

181

00:08:42,700 --> 00:08:39,270

bit less dynamic than Richard cuz i'm

182

00:08:46,040 --> 00:08:42,710

reading from a script today okay oh

183

00:08:49,040 --> 00:08:46,050

we're at it this is good yep I can do

184

00:08:50,590 --> 00:08:49,050

that too thank you oh oh wow I can

185

00:08:54,519 --> 00:08:50,600

actually see out there now thank you

186

00:08:56,630 --> 00:08:54,529

okay hello this is Joe alabaster I

187

00:09:01,699 --> 00:08:56,640

always write that in and I have five

188

00:09:02,840 --> 00:09:01,709

second pause written here ok and now

189

00:09:04,610 --> 00:09:02,850

this week I get to play with a live

190

00:09:12,410 --> 00:09:04,620

audience was just great hello live

191

00:09:14,780 --> 00:09:12,420

audience closer to the mic anyway thank

192

00:09:16,579 --> 00:09:14,790

you for saying hello and hello to those

193

00:09:18,440 --> 00:09:16,589

of you listening at home or in your car

194

00:09:20,389 --> 00:09:18,450

or while doing the dishes or shampoo in

195

00:09:21,920 --> 00:09:20,399

your cats now I ought to give you a

196

00:09:23,690 --> 00:09:21,930

warning some of what I'm talking about

197

00:09:26,090 --> 00:09:23,700

this week gets a little bit adult in

198

00:09:28,160 --> 00:09:26,100

nature so if you're listening to this as

199

00:09:29,780 --> 00:09:28,170

a podcast and have small humans within

200

00:09:31,850 --> 00:09:29,790

earshot you might want to save this

201  
00:09:39,260 --> 00:09:31,860  
segment for later and if you hear it to

202  
00:09:40,519 --> 00:09:39,270  
pub with children nope he's fine I fell

203  
00:09:43,630 --> 00:09:40,529  
out the dugout Senor thought is

204  
00:09:46,370 --> 00:09:43,640  
something saying terrible things okay

205  
00:09:52,910 --> 00:09:46,380  
all right well to start with I've got a

206  
00:09:55,819 --> 00:09:52,920  
question for the audience oh very close

207  
00:09:58,610 --> 00:09:55,829  
Oh people at home you're welcome to yell

208  
00:10:01,579 --> 00:09:58,620  
out the answer to if you have it what do

209  
00:10:04,220 --> 00:10:01,589  
Sigmund Freud English space rock group

210  
00:10:09,350 --> 00:10:04,230  
Hawkwind and metal filaments encased in

211  
00:10:16,389 --> 00:10:09,360  
resin pyramids have in common anyone is

212  
00:10:19,009 --> 00:10:16,399  
that you man okay it's party time yes no

213  
00:10:20,569 --> 00:10:19,019

okay and we have some we have the

214

00:10:22,819 --> 00:10:20,579

correct answer that's right this is

215

00:10:26,720 --> 00:10:22,829

they're all connected to Wilhelm Reich

216

00:10:28,250 --> 00:10:26,730

and theory of orgone energy now I first

217

00:10:30,110 --> 00:10:28,260

became fascinated with orgone energy

218

00:10:31,879 --> 00:10:30,120

when I was sitting at my laptop looking

219

00:10:33,769 --> 00:10:31,889

for websites which made false claims

220

00:10:36,139 --> 00:10:33,779

about the dangers of electromagnetic

221

00:10:38,000 --> 00:10:36,149

radiation and came across someone who

222

00:10:40,370 --> 00:10:38,010

was selling interesting-looking colored

223

00:10:42,050 --> 00:10:40,380

translucent pyramids and stones which

224

00:10:44,720 --> 00:10:42,060

was speckled with metallic filaments

225

00:10:46,699 --> 00:10:44,730

called organites they look like

226  
00:10:48,379 --> 00:10:46,709  
gemstones or polished crystals of some

227  
00:10:50,319 --> 00:10:48,389  
sort and I thought that perhaps they'd

228  
00:10:51,920 --> 00:10:50,329  
make him using paperweights

229  
00:10:53,420 --> 00:10:51,930  
unfortunately when I looked into

230  
00:10:54,829 --> 00:10:53,430  
organites a little further I was

231  
00:10:56,720 --> 00:10:54,839  
disappointed to find that they're made

232  
00:10:58,699 --> 00:10:56,730  
of resin and not at all heavy enough to

233  
00:11:00,829 --> 00:10:58,709  
make effective paper weights but I

234  
00:11:03,530 --> 00:11:00,839  
continued to read and fell down a rabbit

235  
00:11:05,449 --> 00:11:03,540  
hole of strangeness of all going energy

236  
00:11:09,740 --> 00:11:05,459  
and the man who devised its existence

237  
00:11:11,120 --> 00:11:09,750  
Wilhelm Reich born in 1897 and

238  
00:11:14,420 --> 00:11:11,130

graduating in medicine from the

239

00:11:15,860 --> 00:11:14,430

university of vienna in 1922 wilhelm

240

00:11:18,019 --> 00:11:15,870

reich rose to prominence as an

241

00:11:20,900 --> 00:11:18,029

influential second wave psychoanalyst

242

00:11:22,819 --> 00:11:20,910

with some rather radical ideas as an

243

00:11:25,280 --> 00:11:22,829

undergraduate he met Sigmund Freud and

244

00:11:26,930 --> 00:11:25,290

the two became close with Freud being so

245

00:11:28,220 --> 00:11:26,940

impressed with Reich that he allowed him

246

00:11:30,470 --> 00:11:28,230

to see patients while still an

247

00:11:32,810 --> 00:11:30,480

undergraduate unfortunately this

248

00:11:34,430 --> 00:11:32,820

conference was misplaced right began

249

00:11:36,350 --> 00:11:34,440

having an affair with a 19 year old

250

00:11:39,079 --> 00:11:36,360

patient how he continued throughout his

251  
00:11:41,150 --> 00:11:39,089  
career Freud and Wright did not see eye

252  
00:11:43,130 --> 00:11:41,160  
to eye for long while Freud was

253  
00:11:45,199 --> 00:11:43,140  
concerned with what a patient said rock

254  
00:11:47,210 --> 00:11:45,209  
became much more focused on inflection

255  
00:11:49,340 --> 00:11:47,220  
body language and facial expression and

256  
00:11:51,019 --> 00:11:49,350  
reportedly subjected his patients to

257  
00:11:52,790 --> 00:11:51,029  
heroin sessions to break down what he

258  
00:11:56,090 --> 00:11:52,800  
perceived as being their resistance and

259  
00:11:58,069 --> 00:11:56,100  
inhibition one of the ideas that right

260  
00:11:59,809 --> 00:11:58,079  
developed was that of body armor in

261  
00:12:01,460 --> 00:11:59,819  
which he contended that there was a

262  
00:12:02,720 --> 00:12:01,470  
strong link between the character

263  
00:12:05,240 --> 00:12:02,730

emotional blocks

264

00:12:06,980 --> 00:12:05,250

tension in the body he suggested that

265

00:12:09,050 --> 00:12:06,990

repression of memories and emotion was

266

00:12:10,639 --> 00:12:09,060

the cause of physical illness this being

267

00:12:12,379 --> 00:12:10,649

a theory which pops up with alarming

268

00:12:16,340 --> 00:12:12,389

regularity in the world of alternative

269

00:12:18,680 --> 00:12:16,350

therapies today in 1930 right moves

270

00:12:21,530 --> 00:12:18,690

beyond psychoanalytic technique want to

271

00:12:23,000 --> 00:12:21,540

touch therapy sometimes painful aimed to

272

00:12:25,460 --> 00:12:23,010

retrieve a repressed memory from his

273

00:12:27,290 --> 00:12:25,470

patients childhood his goal became to

274

00:12:28,790 --> 00:12:27,300

trigger a whole body responds with this

275

00:12:31,189 --> 00:12:28,800

touching free from repression and

276

00:12:33,829 --> 00:12:31,199

inhibition which he referred to as the

277

00:12:36,740 --> 00:12:33,839

orgasm reflex a full-body convulsion

278

00:12:38,360 --> 00:12:36,750

distinct from regular climax that said

279

00:12:41,000 --> 00:12:38,370

Reich was a great components of regular

280

00:12:43,280 --> 00:12:41,010

climax to his promotion of underage sex

281

00:12:44,689 --> 00:12:43,290

emphasis on the importance of orgasm and

282

00:12:46,790 --> 00:12:44,699

his sexual involvement with his patients

283

00:12:49,579 --> 00:12:46,800

saw the International psychoanalytic

284

00:12:51,290 --> 00:12:49,589

Association request his resignation to

285

00:12:52,879 --> 00:12:51,300

which Reich responded by camping in a

286

00:12:56,810 --> 00:12:52,889

tent outside their conference while

287

00:12:58,670 --> 00:12:56,820

wearing a large knife on his belt from

288

00:13:01,129 --> 00:12:58,680

then on his ideas became even more

289

00:13:02,509 --> 00:13:01,139

unorthodox he became convinced that

290

00:13:04,129 --> 00:13:02,519

there must be an additional element

291

00:13:06,560 --> 00:13:04,139

beyond the physiological which

292

00:13:09,170 --> 00:13:06,570

contributes to human orgasm and this is

293

00:13:12,250 --> 00:13:09,180

where all going energy was born or going

294

00:13:15,170 --> 00:13:12,260

taking its name from the word orgasm

295

00:13:17,809 --> 00:13:15,180

orgone energy Reich felt was everywhere

296

00:13:19,970 --> 00:13:17,819

a biological and cosmic energy which was

297

00:13:24,650 --> 00:13:19,980

linked to libido and potency cancer

298

00:13:26,720 --> 00:13:24,660

frogs and the aurora borealis he began

299

00:13:29,150 --> 00:13:26,730

building contraptions to harness orgone

300

00:13:31,160 --> 00:13:29,160

energy Faraday cages made with plywood

301

00:13:33,290 --> 00:13:31,170

lined with rock wool and sheet iron

302

00:13:35,750 --> 00:13:33,300

which you referred to as all going

303

00:13:38,019 --> 00:13:35,760

accumulators he believed that different

304

00:13:40,250 --> 00:13:38,029

materials organic and inorganic

305

00:13:42,559 --> 00:13:40,260

concentrated and reflected orgone energy

306

00:13:44,509 --> 00:13:42,569

and that his organ accumulators

307

00:13:46,210 --> 00:13:44,519

concentrated or going energy to levels

308

00:13:48,470 --> 00:13:46,220

which could be used to treat cancer

309

00:13:51,620 --> 00:13:48,480

experimented with animals and then using

310

00:13:54,410 --> 00:13:51,630

it to treat humans living in the US by

311

00:13:56,780 --> 00:13:54,420

this time in 1940 right wrote to Albert

312

00:13:58,730 --> 00:13:56,790

Einstein explaining the hope he had for

313

00:14:00,860 --> 00:13:58,740

his organ accumulators in curing disease

314

00:14:02,809 --> 00:14:00,870

and outlining a claim that he could use

315

00:14:05,689 --> 00:14:02,819

his accumulators to raise temperature

316

00:14:07,699 --> 00:14:05,699

without a heat source amazingly Einstein

317

00:14:09,139 --> 00:14:07,709

spent 10 days examining an orgone

318

00:14:11,090 --> 00:14:09,149

accumulator for evidence of its

319

00:14:13,280 --> 00:14:11,100

temperature raising capacity before

320

00:14:13,950 --> 00:14:13,290

dismissing it as the result of ambient

321

00:14:16,680 --> 00:14:13,960

temperature

322

00:14:18,600 --> 00:14:16,690

gradients demonstrating increasing

323

00:14:20,850 --> 00:14:18,610

paranoia over the years a break believed

324

00:14:23,790 --> 00:14:20,860

that einstein's dismissal was part of a

325

00:14:26,100 --> 00:14:23,800

conspiracy against him right continued

326

00:14:28,260 --> 00:14:26,110

his pursue love organ therapy applying

327

00:14:30,570 --> 00:14:28,270

it further in his therapy creating more

328

00:14:33,090 --> 00:14:30,580

machines notably the cloudbuster a

329

00:14:35,550 --> 00:14:33,100

series of metal pipes grounded in water

330

00:14:37,410 --> 00:14:35,560

and pointed at the sky which he believed

331

00:14:40,320 --> 00:14:37,420

could unblock orgone energy in the

332

00:14:42,600 --> 00:14:40,330

atmosphere and cause rain his claims

333

00:14:44,970 --> 00:14:42,610

about curing cancer were investigated by

334

00:14:47,040 --> 00:14:44,980

the FDA who put an injunction on his

335

00:14:48,330 --> 00:14:47,050

literature and organ machines with

336

00:14:51,210 --> 00:14:48,340

reportedly triggered a further

337

00:14:53,850 --> 00:14:51,220

deterioration in his mental health by

338

00:14:55,650 --> 00:14:53,860

the mid-1950s he was convinced that UFOs

339

00:14:58,110 --> 00:14:55,660

were attacking Earth with deadly or

340

00:14:59,550 --> 00:14:58,120

going radiation and would spend nights

341

00:15:01,320 --> 00:14:59,560

scanning the skies with his binoculars

342

00:15:03,720 --> 00:15:01,330

convinced he was fighting an

343

00:15:08,730 --> 00:15:03,730

interplanetary battle shooting down UFOs

344

00:15:10,980 --> 00:15:08,740

with his cloud Busters in 1956 and FDA

345

00:15:13,050 --> 00:15:10,990

inspector posing as a customer requested

346

00:15:15,450 --> 00:15:13,060

an orgone accumulator Part B sent over

347

00:15:17,760 --> 00:15:15,460

state lines the part was sent and

348

00:15:20,280 --> 00:15:17,770

Raikkonen associate were charged with

349

00:15:21,840 --> 00:15:20,290

contempt of court right person tends to

350

00:15:23,790 --> 00:15:21,850

two years imprisonment his literature

351

00:15:26,760 --> 00:15:23,800

ordered to be burnt and his machines

352

00:15:28,680 --> 00:15:26,770

destroyed psychiatric assessments were

353

00:15:30,780 --> 00:15:28,690

unfavorable but he said eight months in

354

00:15:33,560 --> 00:15:30,790

prison where he experienced sudden heart

355

00:15:35,970 --> 00:15:33,570

failure and diet he was 60 years of age

356

00:15:38,100 --> 00:15:35,980

now all going theory is made its way

357

00:15:40,980 --> 00:15:38,110

into popular culture over the years or

358

00:15:42,450 --> 00:15:40,990

at least popular counterculture william

359

00:15:44,160 --> 00:15:42,460

s burroughs was convinced that a

360

00:15:45,930 --> 00:15:44,170

home-built or go and accumulated box

361

00:15:48,510 --> 00:15:45,940

greatly assisted him during times of

362

00:15:51,270 --> 00:15:48,520

withdrawal from heroin now if you've

363

00:15:53,220 --> 00:15:51,280

seen the video to Kate Bush's 1985 song

364

00:15:55,080 --> 00:15:53,230

cloud busting you might remember Donald

365

00:15:57,270 --> 00:15:55,090

Sutherland player character who created

366

00:15:59,220 --> 00:15:57,280

a large metal vaguely steampunky machine

367

00:16:01,730 --> 00:15:59,230

with four long tubes which he willed up

368

00:16:03,960 --> 00:16:01,740

onto a hill to the sky and created rain

369

00:16:06,360 --> 00:16:03,970

Donald Sutherland was portraying well

370

00:16:08,100 --> 00:16:06,370

he'll drag and Kate Bush's son the song

371

00:16:10,860 --> 00:16:08,110

based on view of Wilhelm Reich through

372

00:16:12,960 --> 00:16:10,870

the eyes of his son Peter and then

373

00:16:15,750 --> 00:16:12,970

there's American new wave band Debose

374

00:16:17,580 --> 00:16:15,760

energy domes the iconic terrorist rounds

375

00:16:20,280 --> 00:16:17,590

ziggurats style plastic hats worn by

376

00:16:21,660 --> 00:16:20,290

band members one of the stories has been

377

00:16:23,820 --> 00:16:21,670

told about the origin of the empty

378

00:16:25,950 --> 00:16:23,830

energy dome and there are several is

379

00:16:26,600 --> 00:16:25,960

that energy dome is recycled the waste

380

00:16:29,949 --> 00:16:26,610

adore

381

00:16:34,730 --> 00:16:29,959

an energy lost from the top of the head

382

00:16:41,000 --> 00:16:34,740

now you know are you going to continue

383

00:16:43,400 --> 00:16:41,010

to take me very seriously okay it gets

384

00:16:46,280 --> 00:16:43,410

better space rock group for Queens wrote

385

00:16:48,230 --> 00:16:46,290

a ten minute song titled orgone

386

00:16:52,569 --> 00:16:48,240

accumulator and I challenge you to

387

00:16:58,400 --> 00:16:52,579

listen Spence I did it it was

388

00:17:00,710 --> 00:16:58,410

life-changing talk to Joanne Joanne and

389

00:17:04,579 --> 00:17:00,720

barbarella was loosely based on Wilhelm

390

00:17:06,799 --> 00:17:04,589

right ergon energy was mentioned in the

391

00:17:09,199 --> 00:17:06,809

BBC comedy peep show when jazz and super

392

00:17:11,030 --> 00:17:09,209

hands joined a cult and the orgone

393

00:17:13,669 --> 00:17:11,040

accumulator box was parodied in the

394

00:17:15,260 --> 00:17:13,679

Woody Allen film sleeper but what's the

395

00:17:17,360 --> 00:17:15,270

relevance of all going theory today

396

00:17:19,130 --> 00:17:17,370

there are still the true believers out

397

00:17:20,600 --> 00:17:19,140

there who penned missives defending

398

00:17:22,159 --> 00:17:20,610

Wilhelm Reich claimed he was

399

00:17:24,549 --> 00:17:22,169

assassinated as part of a grand

400

00:17:27,199 --> 00:17:24,559

conspiracy to suppress the truth and

401  
00:17:30,530 --> 00:17:27,209  
there are also people selling products

402  
00:17:32,480 --> 00:17:30,540  
based on or going theory in 2000 a

403  
00:17:34,940 --> 00:17:32,490  
couple in America who'd been studying

404  
00:17:36,740 --> 00:17:34,950  
Reich's work decided that layering metal

405  
00:17:39,159 --> 00:17:36,750  
filaments and quartz crystal in

406  
00:17:41,870 --> 00:17:39,169  
catalyzed organic fiberglass resin

407  
00:17:44,299 --> 00:17:41,880  
created an item which harnessed the

408  
00:17:46,280 --> 00:17:44,309  
power of all groan energy much the way

409  
00:17:48,260 --> 00:17:46,290  
Reich's accumulators were meant to with

410  
00:17:51,860 --> 00:17:48,270  
their layers of plywood rock wool and

411  
00:17:53,840 --> 00:17:51,870  
sheet iron at the last moment robert

412  
00:17:55,880 --> 00:17:53,850  
festival we went to i came across two

413  
00:17:58,310 --> 00:17:55,890

separate groups selling or going related

414

00:18:00,680 --> 00:17:58,320

paraphernalia and one was selling a

415

00:18:02,510 --> 00:18:00,690

variety of organites they weren't

416

00:18:03,950 --> 00:18:02,520

directly referring to Reich's theories

417

00:18:05,840 --> 00:18:03,960

but they were going down the

418

00:18:08,330 --> 00:18:05,850

electromagnetic radiation fear-mongering

419

00:18:10,039 --> 00:18:08,340

path claiming that their organites could

420

00:18:13,460 --> 00:18:10,049

protect against damaging negative

421

00:18:15,440 --> 00:18:13,470

energies with a pang of regret as I

422

00:18:16,909 --> 00:18:15,450

handed money over to a mind-body wallet

423

00:18:20,270 --> 00:18:16,919

vendor who wasn't located in the

424

00:18:28,789 --> 00:18:20,280

cafeteria area I bought myself a

425

00:18:31,200 --> 00:18:28,799

souvenir haha get to wave it around

426

00:18:32,970 --> 00:18:31,210

you're welcome to come and have a look

427

00:18:35,609 --> 00:18:32,980

and gaze on the mystique of the

428

00:18:37,230 --> 00:18:35,619

wonderful organized it was four dollars

429

00:18:39,749 --> 00:18:37,240

it's tiny it's not one of those fancy

430

00:18:41,009 --> 00:18:39,759

big ones yeah but apparently is this

431

00:18:48,539 --> 00:18:41,019

fine for a mobile phone or something

432

00:18:49,950 --> 00:18:48,549

such um yes so all of the sticks and

433

00:18:52,080 --> 00:18:49,960

photos up on my Twitter account so

434

00:18:54,330 --> 00:18:52,090

anybody at home fascinated and who

435

00:18:56,960 --> 00:18:54,340

desperately wants to see the orgonite I

436

00:18:59,820 --> 00:18:56,970

have the orgonite i will post photos

437

00:19:01,440 --> 00:18:59,830

online there are also many organized

438

00:19:03,060 --> 00:19:01,450

selling businesses including those

439

00:19:04,499 --> 00:19:03,070

who've gone further and sell cloud

440

00:19:06,210 --> 00:19:04,509

busting machines which would make

441

00:19:08,070 --> 00:19:06,220

perfectly serviceable but expensive

442

00:19:10,350 --> 00:19:08,080

trellises for growing beans on if you're

443

00:19:12,869 --> 00:19:10,360

into that kind of thing there are also

444

00:19:14,489 --> 00:19:12,879

organites made specifically for using to

445

00:19:17,220 --> 00:19:14,499

protect against energy emitted by

446

00:19:19,680 --> 00:19:17,230

computers phones and mobile phone towers

447

00:19:23,549 --> 00:19:19,690

against nuclear energy and against bad

448

00:19:27,659 --> 00:19:23,559

vibes from neighbors it's a little

449

00:19:33,119 --> 00:19:27,669

strange though it's a lot strange what

450

00:19:34,649 --> 00:19:33,129

am I say edit yes oh no this stranger

451  
00:19:36,749 --> 00:19:34,659  
the people that I've encountered selling

452  
00:19:39,330 --> 00:19:36,759  
items based on orgone energy don't tend

453  
00:19:41,940 --> 00:19:39,340  
to mention Wilhelm Reich and the kind of

454  
00:19:44,039 --> 00:19:41,950  
sexy roots of his theory I haven't had

455  
00:19:46,409 --> 00:19:44,049  
the audacity yet to ask an organized

456  
00:19:48,379 --> 00:19:46,419  
salesperson where orgone energy Theory

457  
00:19:55,140 --> 00:19:48,389  
came from but perhaps I will one day

458  
00:20:00,040 --> 00:19:57,970  
thank you Joe alabaster I was with Joe

459  
00:20:02,320 --> 00:20:00,050  
at the mind-body wallet first of all

460  
00:20:04,210 --> 00:20:02,330  
when she did that now may not how's the

461  
00:20:05,710 --> 00:20:04,220  
reaction what's happening there embedded

462  
00:20:07,360 --> 00:20:05,720  
in the audience I've just been looking

463  
00:20:11,440 --> 00:20:07,370

around here and everybody wants a bit of

464

00:20:14,440 --> 00:20:11,450

orgonite and m23 to people back there

465

00:20:15,670 --> 00:20:14,450

just went and joined evo do give us a

466

00:20:18,250 --> 00:20:15,680

ring of your bell make sure you do it

467

00:20:20,650 --> 00:20:18,260

yes you're still there that's great now

468

00:20:23,230 --> 00:20:20,660

folks if you want to in the audience if

469

00:20:25,540 --> 00:20:23,240

you're on your mobile device please

470

00:20:27,720 --> 00:20:25,550

Twitter photograph and Twitter or just

471

00:20:30,640 --> 00:20:27,730

Twitter the event use the hashtag

472

00:20:32,800 --> 00:20:30,650

skeptic zone life if you feel so

473

00:20:34,000 --> 00:20:32,810

inclined to do that also i forgot to

474

00:20:38,410 --> 00:20:34,010

mention at the top of the show this is

475

00:20:44,260 --> 00:20:38,420

episode number 355 355 for the ninth oh

476

00:20:45,340 --> 00:20:44,270

yes yeah oh and also later we'll be

477

00:20:47,170 --> 00:20:45,350

throwing to the audience if you've got

478

00:20:49,600 --> 00:20:47,180

any questions for Joe anyone else about

479

00:20:51,190 --> 00:20:49,610

something you've heard tonight mm-hmm

480

00:20:52,600 --> 00:20:51,200

there will be questions they're all

481

00:20:58,930 --> 00:20:52,610

someone's put their hand up actually

482

00:21:01,690 --> 00:20:58,940

down just behind you we hang our

483

00:21:03,490 --> 00:21:01,700

question okay okay okay troublemaker

484

00:21:07,150 --> 00:21:03,500

what have you have to say not at all but

485

00:21:09,810 --> 00:21:07,160

I saw a very long time ago a fantastic

486

00:21:12,460 --> 00:21:09,820

movie called mysteries of the organism

487

00:21:16,000 --> 00:21:12,470

did you see that mysteries of the

488

00:21:17,680 --> 00:21:16,010

organism I have not seen that but I will

489

00:21:20,020 --> 00:21:17,690

give it a a hard damn what was on an

490

00:21:22,060 --> 00:21:20,030

homage to the work of psychologists

491

00:21:24,190 --> 00:21:22,070

Wilhelm Reich she messed with the story

492

00:21:27,580 --> 00:21:24,200

about Yugoslav girls affair with a

493

00:21:30,430 --> 00:21:27,590

Russian skater sexual repression social

494

00:21:32,980 --> 00:21:30,440

systems and the orgone theory explored

495

00:21:37,540 --> 00:21:32,990

it was a fantastic movie but it's a long

496

00:21:38,830 --> 00:21:37,550

time ago I've got a question what was

497

00:21:41,530 --> 00:21:38,840

the name of that doctor in the movie

498

00:21:45,100 --> 00:21:41,540

barbarella again her doctor duran duran

499

00:21:46,240 --> 00:21:45,110

i love that bit of the film which saved

500

00:21:49,000 --> 00:21:46,250

the questions at the end of that's all

501  
00:21:51,100 --> 00:21:49,010  
right because now we will do that we'll

502  
00:21:53,530 --> 00:21:51,110  
just move on with the show oh by the way

503  
00:21:54,880 --> 00:21:53,540  
folks to help the skeptic zone cover

504  
00:21:57,840 --> 00:21:54,890  
costs and things like that and we're

505  
00:22:00,340 --> 00:21:57,850  
going up to Brisbane there's a range of

506  
00:22:01,990 --> 00:22:00,350  
merchandise up here for sale so after

507  
00:22:05,080 --> 00:22:02,000  
the show please come and inspect that

508  
00:22:06,700 --> 00:22:05,090  
and by at all thank you just buy the lot

509  
00:22:09,370 --> 00:22:06,710  
that would help us a great deal I

510  
00:22:12,299 --> 00:22:09,380  
and thanks to our friends at the

511  
00:22:15,279 --> 00:22:12,309  
National Geographic Channel we have a

512  
00:22:19,510 --> 00:22:15,289  
DVD copy of the latest cosmos series to

513  
00:22:21,370 --> 00:22:19,520

give away tonight and Maynard is going

514

00:22:23,200 --> 00:22:21,380

to be the one who's going to tell us who

515

00:22:25,419 --> 00:22:23,210

the winner is but we don't know what the

516

00:22:27,639 --> 00:22:25,429

criteria is do we may not it's pretty

517

00:22:29,260 --> 00:22:27,649

hard to be dr. duran duran left to come

518

00:22:30,880 --> 00:22:29,270

up some building we'll have to see but

519

00:22:34,810 --> 00:22:30,890

that's that'll be going up later tonight

520

00:22:36,909 --> 00:22:34,820

now moving on with our next segment of

521

00:22:40,750 --> 00:22:36,919

the show and I'll play the theme for him

522

00:22:43,000 --> 00:22:40,760

it's a man I have enormous respect for

523

00:22:45,039 --> 00:22:43,010

one of the reporters who's been with a

524

00:22:48,580 --> 00:22:45,049

skeptic zone for many many many years in

525

00:22:59,639 --> 00:22:48,590

fact and of course the president of

526

00:23:09,759 --> 00:23:02,399

let's all take this with a grain of salt

527

00:23:16,969 --> 00:23:14,779

okay so the story I bring you today is

528

00:23:19,069 --> 00:23:16,979

from Israel which is the land that

529

00:23:22,069 --> 00:23:19,079

brought you three monotheistic religions

530

00:23:26,259 --> 00:23:22,079

and one produce major producer of scrap

531

00:23:29,029 --> 00:23:26,269

metal most of which is bend spoons

532

00:23:31,729 --> 00:23:29,039

earlier this year a new reality TV show

533

00:23:33,889 --> 00:23:31,739

the beauty in Israel its name is the

534

00:23:36,769 --> 00:23:33,899

drillers and it's about a group of

535

00:23:38,919 --> 00:23:36,779

people drilling for oil not much for a

536

00:23:42,499 --> 00:23:38,929

skeptic to hang on to I hear you think

537

00:23:45,499 --> 00:23:42,509

but there's a twist and the name of the

538

00:23:48,139 --> 00:23:45,509

twist is orange Seraph orange elf is a

539

00:23:49,789 --> 00:23:48,149

self-proclaimed psychic and healer who

540

00:23:52,069 --> 00:23:49,799

has a knack for publicity and has made

541

00:23:53,329 --> 00:23:52,079

quite a name for himself in Israel it's

542

00:23:54,889 --> 00:23:53,339

difficult to be sure how many people

543

00:23:56,839 --> 00:23:54,899

take him seriously but there are a few

544

00:23:59,089 --> 00:23:56,849

stories that will give you a bit of a

545

00:24:02,899 --> 00:23:59,099

feel for what you should be thinking of

546

00:24:05,690 --> 00:24:02,909

him he sued a talk show host for calling

547

00:24:09,440 --> 00:24:05,700

him a charlatan in rejecting the suit

548

00:24:11,269 --> 00:24:09,450

the judge said quote every viewer could

549

00:24:15,079 --> 00:24:11,279

form their own nearly obvious

550

00:24:16,849 --> 00:24:15,089

conclusions another story is he Zarif

551

00:24:18,919 --> 00:24:16,859

claimed here that a certain brand of

552

00:24:21,129 --> 00:24:18,929

toilet paper should be taken off the

553

00:24:27,129 --> 00:24:21,139

shelves to prevent and again I quote

554

00:24:33,440 --> 00:24:30,109

I'm sure it means something somewhere to

555

00:24:35,479 --> 00:24:33,450

someone that in response to constant

556

00:24:37,119 --> 00:24:35,489

mockery buy a TV comedy show in Israel

557

00:24:42,810 --> 00:24:37,129

he threatened to and again I quote

558

00:24:47,230 --> 00:24:45,220

and the particular highlight was when

559

00:24:50,590 --> 00:24:47,240

following a political political victory

560

00:24:52,960 --> 00:24:50,600

by a local politician serif claimed

561

00:24:54,730 --> 00:24:52,970

responsibility and demanded to be

562

00:24:56,620 --> 00:24:54,740

pre-selected to the second spot in the

563

00:25:01,180 --> 00:24:56,630

party's list of candidates to Parliament

564

00:25:03,730 --> 00:25:01,190

Parliament and in 2015 Zarif decided to

565

00:25:05,470 --> 00:25:03,740

look for petroleum using his powers now

566

00:25:07,299 --> 00:25:05,480

before I go on to describe the show and

567

00:25:08,980 --> 00:25:07,309

what it has exposed I want to give you a

568

00:25:11,140 --> 00:25:08,990

bit of a short lesson on his Israel's

569

00:25:14,980 --> 00:25:11,150

history with drilling for oil as you

570

00:25:18,310 --> 00:25:14,990

probably aware Israel's neighbors you

571

00:25:19,600 --> 00:25:18,320

know awash with with petroleum but one

572

00:25:22,450 --> 00:25:19,610

of the benefits of being the chosen

573

00:25:24,130 --> 00:25:22,460

people is that God saves you the bother

574

00:25:27,820 --> 00:25:24,140

of perhaps having to deal with the

575

00:25:30,730 --> 00:25:27,830

environmental effects of finding oil so

576

00:25:31,870 --> 00:25:30,740

while in the 67 years since Israel was

577

00:25:34,299 --> 00:25:31,880

established there has been numerous

578

00:25:35,950 --> 00:25:34,309

attempts to find oil no one found

579

00:25:37,450 --> 00:25:35,960

anything that would make much of a

580

00:25:40,060 --> 00:25:37,460

difference of Israel's economy and very

581

00:25:42,880 --> 00:25:40,070

few have very few drillings have been

582

00:25:45,280 --> 00:25:42,890

commercially successful so for sorry to

583

00:25:48,039 --> 00:25:45,290

suggest he could find all would you

584

00:25:49,450 --> 00:25:48,049

would need to be either deluded or not

585

00:25:51,100 --> 00:25:49,460

care at all about how you would look

586

00:25:53,890 --> 00:25:51,110

when he doesn't find any well and my

587

00:25:56,380 --> 00:25:53,900

suspicion is that he's probably both so

588

00:25:58,659 --> 00:25:56,390

onto the show itself so in the first

589

00:26:01,090 --> 00:25:58,669

episode so if drives around in a black

590

00:26:03,730 --> 00:26:01,100

van what else picking up his

591

00:26:06,310 --> 00:26:03,740

collaborators those comprise a singer

592

00:26:08,830 --> 00:26:06,320

and actor am I not a minor celebrity

593

00:26:10,090 --> 00:26:08,840

from another reality TV show and author

594

00:26:11,799 --> 00:26:10,100

and journalist who is known for his

595

00:26:14,310 --> 00:26:11,809

right right-wing views big thing in

596

00:26:16,539 --> 00:26:14,320

Israel right wing left wing thing and

597

00:26:18,880 --> 00:26:16,549

another journalist who's well known for

598

00:26:21,130 --> 00:26:18,890

his left-wing views clearly the were

599

00:26:22,659 --> 00:26:21,140

expecting some conflict there together

600

00:26:24,490 --> 00:26:22,669

they drive to a beautiful ranch out in

601  
00:26:26,980 --> 00:26:24,500  
the desert where zareff asks them as a

602  
00:26:29,049 --> 00:26:26,990  
mark of faith in his abilities to

603  
00:26:31,350 --> 00:26:29,059  
contribute one hundred thousand shekels

604  
00:26:33,880 --> 00:26:31,360  
which is about 35 thousand dollars

605  
00:26:38,530 --> 00:26:33,890  
towards the effort they were not

606  
00:26:40,570 --> 00:26:38,540  
expecting that they all do with one of

607  
00:26:44,680 --> 00:26:40,580  
them hesitating for one day while he

608  
00:26:46,180 --> 00:26:44,690  
consults his guru so you want to be you

609  
00:26:48,210 --> 00:26:46,190  
know do something you know the cautious

610  
00:26:50,980 --> 00:26:48,220  
thing and actually look into it first

611  
00:26:52,540 --> 00:26:50,990  
they then have a geology ologist

612  
00:26:55,090 --> 00:26:52,550  
explained to them how petroleum was

613  
00:26:55,779 --> 00:26:55,100

created leading to a huge debate about

614

00:26:58,060 --> 00:26:55,789

the age of

615

00:27:00,489 --> 00:26:58,070

earth and an angry dead sorry

616

00:27:02,769 --> 00:27:00,499

grandfather blowing the ease of the

617

00:27:05,259 --> 00:27:02,779

geologist was using for the presentation

618

00:27:07,479 --> 00:27:05,269

it's never happened to that geologist

619

00:27:11,499 --> 00:27:07,489

before he admitted that his his easel

620

00:27:13,180 --> 00:27:11,509

never never blew up the episode ends

621

00:27:14,950 --> 00:27:13,190

with the first drilling resulting in a

622

00:27:17,919 --> 00:27:14,960

powerful stream of black fluid erupting

623

00:27:24,430 --> 00:27:17,929

well into the air unfortunately the team

624

00:27:27,099 --> 00:27:24,440

the team has ruptured a serves bike in

625

00:27:29,619 --> 00:27:27,109

episode 2 so if meets a politician to

626

00:27:32,349 --> 00:27:29,629

try to get a state financial support for

627

00:27:35,019 --> 00:27:32,359

the venture much to the bed much to the

628

00:27:37,810 --> 00:27:35,029

ire of his Cohen investors he takes a

629

00:27:40,029 --> 00:27:37,820

helicopter and you know what I him know

630

00:27:43,149 --> 00:27:40,039

how I got that leads right not to

631

00:27:46,210 --> 00:27:43,159

geelong but to Jerusalem and his reason

632

00:27:48,339 --> 00:27:46,220

is why can't he take abnormal flight he

633

00:27:49,869 --> 00:27:48,349

can't fly too high because the spirits

634

00:27:55,749 --> 00:27:49,879

don't like it when he gets to their

635

00:27:59,799 --> 00:27:55,759

level in episode 3 japanese consultant

636

00:28:02,049 --> 00:27:59,809

in a kimono it's very weird is high to

637

00:28:03,820 --> 00:28:02,059

create the right ambience for the reefs

638

00:28:07,659 --> 00:28:03,830

powers she put all kinds of gongs and

639

00:28:09,460 --> 00:28:07,669

things it there's no explanation at any

640

00:28:12,519 --> 00:28:09,470

point how it makes a difference just

641

00:28:14,409 --> 00:28:12,529

just suppose general weakness in episode

642

00:28:16,239 --> 00:28:14,419

4 in an uncharacteristic act of

643

00:28:19,299 --> 00:28:16,249

rationality the team dies on

644

00:28:21,609 --> 00:28:19,309

organizational consultant unfortunately

645

00:28:23,649 --> 00:28:21,619

they follow it up by deciding to drill

646

00:28:26,409 --> 00:28:23,659

in Tel Aviv's equivalent of the corner

647

00:28:29,049 --> 00:28:26,419

of george and market streets hahaha so

648

00:28:32,379 --> 00:28:29,059

major commercial hub they decide that's

649

00:28:34,269 --> 00:28:32,389

where they're going to drill in episodes

650

00:28:35,799 --> 00:28:34,279

5 and 6 the team arranged the drilling

651  
00:28:38,710 --> 00:28:35,809  
in tel aviv culminating in a violent

652  
00:28:39,999 --> 00:28:38,720  
arrest by police once again this doesn't

653  
00:28:42,039 --> 00:28:40,009  
sound like very interesting for a

654  
00:28:44,200 --> 00:28:42,049  
skeptic but all the while or answer if

655  
00:28:46,389 --> 00:28:44,210  
keeps making proclamations about what

656  
00:28:48,009 --> 00:28:46,399  
his guides are telling him waves his

657  
00:28:50,169 --> 00:28:48,019  
fingers in this odd way that i can't

658  
00:28:53,049 --> 00:28:50,179  
really explain for a podcast oh it's

659  
00:28:54,729 --> 00:28:53,059  
just just he does this thing like that

660  
00:28:56,739 --> 00:28:54,739  
in the area just waves his fingers in

661  
00:28:58,749 --> 00:28:56,749  
the end he says it's like in a like an

662  
00:29:02,019 --> 00:28:58,759  
aerial that's how he that she connects

663  
00:29:04,839 --> 00:29:02,029

to the spirits and overall he's just

664

00:29:08,289 --> 00:29:04,849

being very weird so so there it's quite

665

00:29:08,970 --> 00:29:08,299

compelling viewing actually so we now

666

00:29:11,070 --> 00:29:08,980

have to

667

00:29:12,960 --> 00:29:11,080

seven and I'm not going to even talk

668

00:29:14,250 --> 00:29:12,970

about episode 7 because really nothing

669

00:29:17,700 --> 00:29:14,260

much happens on the episode 7 they

670

00:29:21,570 --> 00:29:17,710

actually go on on an oil rig in the in

671

00:29:23,669 --> 00:29:21,580

the in the Mediterranean but nothing

672

00:29:25,140 --> 00:29:23,679

interesting from our perspective so well

673

00:29:26,970 --> 00:29:25,150

the first few episodes look like they've

674

00:29:30,810 --> 00:29:26,980

been subject to the heavy editing that

675

00:29:32,789 --> 00:29:30,820

you'd expect of a reality show the x

676  
00:29:34,500 --> 00:29:32,799  
episodes three or four it becomes quite

677  
00:29:37,799 --> 00:29:34,510  
clear that the whole thing is more

678  
00:29:39,450 --> 00:29:37,809  
heavily scripted than edited that raises

679  
00:29:42,600 --> 00:29:39,460  
a few questions about the purpose of the

680  
00:29:44,610 --> 00:29:42,610  
show and of presenting it as reality but

681  
00:29:46,799 --> 00:29:44,620  
to me the most interesting question is

682  
00:29:48,930 --> 00:29:46,809  
the purpose of orange reef involvement

683  
00:29:51,240 --> 00:29:48,940  
and how it is viewed by the few people

684  
00:29:53,520 --> 00:29:51,250  
in israel who have yet to decide or form

685  
00:29:57,930 --> 00:29:53,530  
an opinion on whether he has real powers

686  
00:30:00,330 --> 00:29:57,940  
or is a complete crackpot the show

687  
00:30:02,970 --> 00:30:00,340  
clearly exploits his weird claims and

688  
00:30:04,530 --> 00:30:02,980

the gestures and took to the hilt like

689

00:30:07,289 --> 00:30:04,540

everything he does i there's lots of

690

00:30:09,890 --> 00:30:07,299

close-ups and lots of focus on his

691

00:30:12,030 --> 00:30:09,900

movements and his weird proclamations

692

00:30:14,100 --> 00:30:12,040

but whether that makes it more

693

00:30:15,840 --> 00:30:14,110

believable or less believable or just

694

00:30:19,560 --> 00:30:15,850

very amusing to the audience that

695

00:30:22,830 --> 00:30:19,570

remains an open question so a few years

696

00:30:26,100 --> 00:30:22,840

ago Corey Geller the aforementioned

697

00:30:28,530 --> 00:30:26,110

spoon bender had a TV show in Israel

698

00:30:32,520 --> 00:30:28,540

called the successor where he was trying

699

00:30:35,310 --> 00:30:32,530

to find the next one trick pony and

700

00:30:37,680 --> 00:30:35,320

james randi once said that the most

701  
00:30:42,240 --> 00:30:37,690  
dangerous place in the world is standing

702  
00:30:45,120 --> 00:30:42,250  
between irregular and a TV camera so at

703  
00:30:52,920 --> 00:30:45,130  
least in one respect Laura Geller has

704  
00:30:59,920 --> 00:30:56,260  
thank you very much a run together now

705  
00:31:01,210 --> 00:30:59,930  
we have in the show if people listen to

706  
00:31:03,130 --> 00:31:01,220  
the skipping zone know that we have

707  
00:31:05,890 --> 00:31:03,140  
regular little breaks through the show

708  
00:31:07,540 --> 00:31:05,900  
to promote other skeptical events and

709  
00:31:11,100 --> 00:31:07,550  
organization and people all around the

710  
00:31:13,630 --> 00:31:11,110  
world we have ads from Norway from

711  
00:31:15,130 --> 00:31:13,640  
Hungary yes thank you from Germany from

712  
00:31:18,280 --> 00:31:15,140  
somebody listens to the show how about

713  
00:31:20,320 --> 00:31:18,290

that some from all around so for the

714

00:31:23,050 --> 00:31:20,330

benefit of those people listening at

715

00:31:24,430 --> 00:31:23,060

home from Russia thank you yes we're

716

00:31:26,560 --> 00:31:24,440

going to have a little commercial break

717

00:31:28,690 --> 00:31:26,570

now and coming back out of the break

718

00:31:44,410 --> 00:31:28,700

we're going to continue with dr. ray she

719

00:31:46,420 --> 00:31:44,420

reports astronomy cast it takes a fact

720

00:31:48,490 --> 00:31:46,430

space journey through the cosmos as it

721

00:31:51,190 --> 00:31:48,500

offers listeners weekly discussions on

722

00:31:54,160 --> 00:31:51,200

astronomical topics ranging from planets

723

00:31:56,380 --> 00:31:54,170

to cosmology hosted by Fraser Cain of

724

00:31:57,370 --> 00:31:56,390

Universe Today and myself dr. Pamela

725

00:32:00,070 --> 00:31:57,380

gave southern illinois university

726

00:32:01,930 --> 00:32:00,080

edwardsville this show brings the

727

00:32:04,390 --> 00:32:01,940

questions of an avid astronomy lover

728

00:32:06,460 --> 00:32:04,400

directly to an astronomer together

729

00:32:08,020 --> 00:32:06,470

Fraser and I explore what is known and

730

00:32:10,750 --> 00:32:08,030

being discovered about the universe

731

00:32:12,850 --> 00:32:10,760

around us join us each week as we take a

732

00:32:23,400 --> 00:32:12,860

fast space journey through the cosmos at

733

00:32:28,240 --> 00:32:26,050

welcome to a week in science from our

734

00:32:31,270 --> 00:32:28,250

aisles bringing either side so you need

735

00:32:33,880 --> 00:32:31,280

to know when winter comes I crank up the

736

00:32:36,370 --> 00:32:33,890

heat and wrap myself in warm clothes but

737

00:32:41,520 --> 00:32:36,380

men don't seem to do the same so why is

738

00:32:46,570 --> 00:32:43,990

one theory is that women have a higher

739

00:32:48,340 --> 00:32:46,580

core body temperature than men this

740

00:32:50,650 --> 00:32:48,350

would create a bigger difference between

741

00:32:52,870 --> 00:32:50,660

our internal temperature and the outside

742

00:32:55,450 --> 00:32:52,880

ambient temperature which makes us more

743

00:32:57,580 --> 00:32:55,460

sensitive to the cold but scientific

744

00:32:59,260 --> 00:32:57,590

evidence for this is a bit shaky with

745

00:33:02,050 --> 00:32:59,270

some studies finding a difference and

746

00:33:03,610 --> 00:33:02,060

others not overall it seems that women

747

00:33:05,530 --> 00:33:03,620

could have a slightly higher core

748

00:33:07,900 --> 00:33:05,540

temperature but we're only talking about

749

00:33:09,940 --> 00:33:07,910

point two degrees difference when you

750

00:33:12,160 --> 00:33:09,950

take into account other factors that

751  
00:33:15,070 --> 00:33:12,170  
change how people feel the cold like age

752  
00:33:19,810 --> 00:33:15,080  
Fitness hunger and tiredness this

753  
00:33:21,850 --> 00:33:19,820  
difference is really insignificant so if

754  
00:33:24,040 --> 00:33:21,860  
core body temperature is an effector

755  
00:33:25,870 --> 00:33:24,050  
then what's happening well it turns out

756  
00:33:28,060 --> 00:33:25,880  
that women have a lower skin temperature

757  
00:33:30,520 --> 00:33:28,070  
than men meaning that we feel the cold

758  
00:33:32,860 --> 00:33:30,530  
more women tend to have a higher skin

759  
00:33:35,740 --> 00:33:32,870  
surface area to volume ratio because

760  
00:33:37,540 --> 00:33:35,750  
we're generally smaller overall to stop

761  
00:33:39,460 --> 00:33:37,550  
too much heat loss through this surface

762  
00:33:41,830 --> 00:33:39,470  
area we have a lower flow of blood to

763  
00:33:43,930 --> 00:33:41,840

the skin leading to a lower skin

764

00:33:45,910 --> 00:33:43,940

temperature this means that it takes a

765

00:33:47,770 --> 00:33:45,920

much smaller drop in temperature for our

766

00:33:50,770 --> 00:33:47,780

skin sensors to detect that we're

767

00:33:53,170 --> 00:33:50,780

feeling cold women's bodies also seem to

768

00:33:55,210 --> 00:33:53,180

be better at moving warm blood away from

769

00:33:58,060 --> 00:33:55,220

our extremities to protect internal

770

00:34:00,550 --> 00:33:58,070

organs that's why our hands and feet can

771

00:34:03,640 --> 00:34:00,560

be three degrees cooler than men's and

772

00:34:06,070 --> 00:34:03,650

it seems counterintuitive but our extra

773

00:34:07,990 --> 00:34:06,080

layers of fat actually insulate our skin

774

00:34:10,450 --> 00:34:08,000

from our warm core creating the

775

00:34:12,550 --> 00:34:10,460

sensation of coldness that's also why

776  
00:34:15,310 --> 00:34:12,560  
larger people tend to feel the cold more

777  
00:34:17,520 --> 00:34:15,320  
and now for fast facts about our body

778  
00:34:20,170 --> 00:34:17,530  
temperatures

779  
00:34:22,630 --> 00:34:20,180  
women need to get much hotter than men

780  
00:34:24,550 --> 00:34:22,640  
before they start to sweat and even then

781  
00:34:27,520 --> 00:34:24,560  
they sweat much less which is probably

782  
00:34:29,560 --> 00:34:27,530  
linked to testosterone levels your body

783  
00:34:31,750 --> 00:34:29,570  
temperature cycles up and down by a

784  
00:34:33,700 --> 00:34:31,760  
degree or so throughout the day being

785  
00:34:36,310 --> 00:34:33,710  
lowest a couple of hours before you wake

786  
00:34:39,040 --> 00:34:36,320  
up and highest in the late afternoon our

787  
00:34:42,220 --> 00:34:39,050  
definition of a normal temperature came

788  
00:34:44,580 --> 00:34:42,230

in 1851 from German physician Calvin

789

00:34:47,800 --> 00:34:44,590

delec who took armpit readings from

790

00:34:50,080 --> 00:34:47,810

25,000 patients and pregnancy and

791

00:34:51,910 --> 00:34:50,090

hormonal contraceptives can increase a

792

00:34:56,740 --> 00:34:51,920

woman's core temperature by one degree

793

00:34:58,570 --> 00:34:56,750

Celsius that's it for this week in

794

00:35:00,670 --> 00:34:58,580

science if you want to find out more

795

00:35:04,480 --> 00:35:00,680

about why women are cool and men are hot

796

00:35:07,000 --> 00:35:04,490

go to the RAS website alright aus org

797

00:35:09,250 --> 00:35:07,010

dot a you plus don't forget to follow us

798

00:35:11,800 --> 00:35:09,260

on twitter at arielle's and like us on

799

00:35:24,800 --> 00:35:11,810

facebook i'm karen groom and we'll catch

800

00:35:30,030 --> 00:35:28,650

okay thank you very much so when the

801  
00:35:32,190 --> 00:35:30,040  
podcast comes out that'll be the

802  
00:35:33,840 --> 00:35:32,200  
opportunity for me to run a week in

803  
00:35:35,820 --> 00:35:33,850  
science from the Royal Institution of

804  
00:35:37,830 --> 00:35:35,830  
Australia which I do every week and a

805  
00:35:39,510 --> 00:35:37,840  
little ad break but now we'll continue

806  
00:35:43,130 --> 00:35:39,520  
with the skeptic zone live with a

807  
00:35:45,630 --> 00:35:43,140  
pre-recording sent in by our colleague

808  
00:35:47,040 --> 00:35:45,640  
dr. rachy and this is dr. Rachel report

809  
00:35:56,130 --> 00:35:47,050  
so you should be able to hear it over

810  
00:36:01,470 --> 00:35:56,140  
the system now it's time for dr. Rachel

811  
00:36:03,660 --> 00:36:01,480  
reports with dr. Rachel Dunlop well

812  
00:36:05,880 --> 00:36:03,670  
hello listeners this is dr. Rachel

813  
00:36:09,060 --> 00:36:05,890

reports coming to you from Jackson Hole

814

00:36:11,610 --> 00:36:09,070

in Wyoming in the US of A and a long

815

00:36:14,550 --> 00:36:11,620

time no speaky hello to everyone at

816

00:36:16,200 --> 00:36:14,560

skeptics in the pub in Sydney and I have

817

00:36:17,880 --> 00:36:16,210

been on a very long break from the

818

00:36:19,710 --> 00:36:17,890

skeptic zone and there are reasons for

819

00:36:23,250 --> 00:36:19,720

that one of them includes the fact that

820

00:36:25,860 --> 00:36:23,260

i'm now in Jackson Wyoming and working

821

00:36:27,270 --> 00:36:25,870

on a project over here which is an

822

00:36:29,400 --> 00:36:27,280

extension of what I was doing in

823

00:36:32,640 --> 00:36:29,410

Australia and but I've been pretty busy

824

00:36:34,470 --> 00:36:32,650

with science lately and also I've been

825

00:36:37,440 --> 00:36:34,480

getting involved in a lot of science

826

00:36:38,940 --> 00:36:37,450

communication and today I want to talk

827

00:36:40,740 --> 00:36:38,950

to you a little bit about science

828

00:36:42,930 --> 00:36:40,750

communication because i think it's an

829

00:36:45,420 --> 00:36:42,940

extremely important part of science and

830

00:36:47,520 --> 00:36:45,430

i'm going to tell you why that is and

831

00:36:49,740 --> 00:36:47,530

there's been plenty of talk lately about

832

00:36:52,200 --> 00:36:49,750

science communication and in particular

833

00:36:54,570 --> 00:36:52,210

who should do it and should there be

834

00:36:56,360 --> 00:36:54,580

rewarded for their efforts now this

835

00:36:59,730 --> 00:36:56,370

discussion started when two opposing

836

00:37:02,040 --> 00:36:59,740

viewpoints were posed regarding metrics

837

00:37:05,190 --> 00:37:02,050

or measuring science communication if

838

00:37:06,930 --> 00:37:05,200

you like and one commentator suggested

839

00:37:09,360 --> 00:37:06,940

that science communication should be

840

00:37:11,700 --> 00:37:09,370

considered in official measurements for

841

00:37:13,650 --> 00:37:11,710

academics so not just papers that they

842

00:37:15,870 --> 00:37:13,660

publish but also things that they may

843

00:37:18,720 --> 00:37:15,880

publish of a science communication major

844

00:37:20,730 --> 00:37:18,730

and another commentator who strongly

845

00:37:22,770 --> 00:37:20,740

disagreed with this who who thought the

846

00:37:25,020 --> 00:37:22,780

status quo should remain the performance

847

00:37:28,470 --> 00:37:25,030

should only be measured by peer review

848

00:37:30,780 --> 00:37:28,480

and the amount of papers they publish so

849

00:37:32,490 --> 00:37:30,790

this is a perpetual argument for

850

00:37:35,790 --> 00:37:32,500

scientists who do science communication

851  
00:37:38,670 --> 00:37:35,800  
and it generally gets distilled down to

852  
00:37:41,040 --> 00:37:38,680  
the idea that if you for scientists to

853  
00:37:42,690 --> 00:37:41,050  
do science communication it distracts

854  
00:37:45,510 --> 00:37:42,700  
them from their research and this also

855  
00:37:48,150 --> 00:37:45,520  
risks attracting substandard researchers

856  
00:37:49,560 --> 00:37:48,160  
to the field now I disagree with this

857  
00:37:51,710 --> 00:37:49,570  
assessment as you can probably imagine

858  
00:37:54,330 --> 00:37:51,720  
and I'll go into this a little bit later

859  
00:37:56,310 --> 00:37:54,340  
but nevertheless this is an important

860  
00:37:58,170 --> 00:37:56,320  
discussion because in the world of

861  
00:38:02,160 --> 00:37:58,180  
academic science careers are won and

862  
00:38:04,740 --> 00:38:02,170  
lost on publish or perish so grants and

863  
00:38:06,990 --> 00:38:04,750

promotions are awarded based on how well

864

00:38:09,000 --> 00:38:07,000

you perform in this area and this

865

00:38:10,950 --> 00:38:09,010

essentially constitutes how many papers

866

00:38:13,770 --> 00:38:10,960

you've published how important the

867

00:38:16,020 --> 00:38:13,780

journals you publish in our and wherein

868

00:38:17,460 --> 00:38:16,030

the author lists your name false so if

869

00:38:20,540 --> 00:38:17,470

you're the first author or the last

870

00:38:23,280 --> 00:38:20,550

author you get more marks for that and

871

00:38:25,350 --> 00:38:23,290

this was once the only way to gain

872

00:38:28,530 --> 00:38:25,360

traction of the academic ladder in other

873

00:38:31,170 --> 00:38:28,540

words to get promotions etc but times

874

00:38:33,240 --> 00:38:31,180

they are a-changin as they say and this

875

00:38:35,670 --> 00:38:33,250

includes coming out from behind the

876

00:38:38,670 --> 00:38:35,680

paywall of scientific publishing to talk

877

00:38:40,410 --> 00:38:38,680

about your work to the public so one of

878

00:38:41,820 --> 00:38:40,420

the reasons why I think we should be

879

00:38:44,430 --> 00:38:41,830

doing science communication as

880

00:38:47,180 --> 00:38:44,440

scientists is because not unlike other

881

00:38:49,770 --> 00:38:47,190

vocations such as medicine or law or

882

00:38:52,140 --> 00:38:49,780

others science operates in another

883

00:38:54,870 --> 00:38:52,150

language and one that is foreign to a

884

00:38:57,000 --> 00:38:54,880

reasonable person so the publication's

885

00:38:59,280 --> 00:38:57,010

in science are complex convoluted and

886

00:39:01,770 --> 00:38:59,290

verging on impenetrable in some cases

887

00:39:03,990 --> 00:39:01,780

not only because they are frequently

888

00:39:07,500 --> 00:39:04,000

behind a paywall but they're written in

889

00:39:10,290 --> 00:39:07,510

jargon and use obscure acronyms so

890

00:39:12,570 --> 00:39:10,300

evidence suggests now that even other

891

00:39:14,940 --> 00:39:12,580

researchers don't read their peers work

892

00:39:16,470 --> 00:39:14,950

and even when they cite their papers

893

00:39:18,990 --> 00:39:16,480

that is they reference them within a

894

00:39:21,210 --> 00:39:19,000

publication it has been shown they've

895

00:39:23,640 --> 00:39:21,220

not necessarily read the entire paper

896

00:39:25,560 --> 00:39:23,650

they may have read the abstract which is

897

00:39:27,000 --> 00:39:25,570

the summary but not the rest of the

898

00:39:29,670 --> 00:39:27,010

paper and this is really critical

899

00:39:33,300 --> 00:39:29,680

because abstracts often misrepresent the

900

00:39:36,510 --> 00:39:33,310

findings in the body of the paper so

901  
00:39:38,750 --> 00:39:36,520  
here we have a situation where a no one

902  
00:39:40,530 --> 00:39:38,760  
sometimes not even other scientists

903  
00:39:43,590 --> 00:39:40,540  
understand what their peers are

904  
00:39:45,780 --> 00:39:43,600  
jabbering on about and be even if you

905  
00:39:47,940 --> 00:39:45,790  
want to try to decipher a scientific

906  
00:39:49,040 --> 00:39:47,950  
publication as a member of the public

907  
00:39:51,950 --> 00:39:49,050  
you have to pay our

908  
00:39:54,290 --> 00:39:51,960  
publishing company to read it and see

909  
00:39:56,840 --> 00:39:54,300  
even other scientists can't be bothered

910  
00:40:00,050 --> 00:39:56,850  
reading their colleagues work so all up

911  
00:40:03,650 --> 00:40:00,060  
not a great situation so in my opinion

912  
00:40:06,260 --> 00:40:03,660  
there are several problems with this if

913  
00:40:08,360 --> 00:40:06,270

scientists are receiving public funds to

914

00:40:10,100 --> 00:40:08,370

do research then we should be required

915

00:40:12,890 --> 00:40:10,110

to tell people what we have done with

916

00:40:15,140 --> 00:40:12,900

their cash beavering away in a basement

917

00:40:17,930 --> 00:40:15,150

lab and pleading mad scientist is not

918

00:40:21,380 --> 00:40:17,940

acceptable anymore and only serves to

919

00:40:24,020 --> 00:40:21,390

perpetuate myths about scientists too

920

00:40:26,930 --> 00:40:24,030

and this is particularly important i

921

00:40:30,650 --> 00:40:26,940

think we cannot expect support from the

922

00:40:32,920 --> 00:40:30,660

public if we don't engage with them so

923

00:40:35,240 --> 00:40:32,930

consider this with respect to funding as

924

00:40:37,790 --> 00:40:35,250

far as the government is concerned

925

00:40:40,070 --> 00:40:37,800

particularly in australia scientists as

926  
00:40:42,890 --> 00:40:40,080  
a group are low-hanging fruit we are not

927  
00:40:44,810 --> 00:40:42,900  
strongly root union represented we are

928  
00:40:47,450 --> 00:40:44,820  
not vocal and the public does not

929  
00:40:49,040 --> 00:40:47,460  
universally loved us you don't see

930  
00:40:50,540 --> 00:40:49,050  
people marching on the streets in our

931  
00:40:52,900 --> 00:40:50,550  
defense when the government cuts

932  
00:40:55,880 --> 00:40:52,910  
millions from the CSIRO budget and

933  
00:40:58,130 --> 00:40:55,890  
consider that the current government did

934  
00:41:00,800 --> 00:40:58,140  
not even appoint a science minister when

935  
00:41:02,480 --> 00:41:00,810  
they came into power eventually after

936  
00:41:05,330 --> 00:41:02,490  
pressure from the scientific community

937  
00:41:08,600 --> 00:41:05,340  
and a cabinet reshuffle over 12 months

938  
00:41:10,670 --> 00:41:08,610

later they appointed somebody indeed

939

00:41:12,710 --> 00:41:10,680

when we do complain as scientists about

940

00:41:14,420 --> 00:41:12,720

job losses and budget cuts we're

941

00:41:17,480 --> 00:41:14,430

referred to by government ministers as

942

00:41:19,670 --> 00:41:17,490

precious petals but there have been

943

00:41:21,800 --> 00:41:19,680

times when public support for science

944

00:41:24,620 --> 00:41:21,810

has been very high and the results have

945

00:41:26,510 --> 00:41:24,630

been very positive so a number of years

946

00:41:28,910 --> 00:41:26,520

ago there was a campaign started by

947

00:41:30,890 --> 00:41:28,920

scientists from the weihai institute in

948

00:41:32,990 --> 00:41:30,900

melbourne called discoveries needs

949

00:41:35,540 --> 00:41:33,000

dollars and this was a grassroots

950

00:41:37,610 --> 00:41:35,550

campaign designed to protest slated cuts

951  
00:41:42,110 --> 00:41:37,620  
to the science budget leading up to the

952  
00:41:44,240 --> 00:41:42,120  
2011 budget now thousands of scientists

953  
00:41:45,800 --> 00:41:44,250  
in this case from across the country did

954  
00:41:48,830 --> 00:41:45,810  
take to the streets in their lab coats

955  
00:41:50,810 --> 00:41:48,840  
with placards and signs and protested in

956  
00:41:52,850 --> 00:41:50,820  
an effort to convince the government and

957  
00:41:54,910 --> 00:41:52,860  
the public that research funding is

958  
00:41:57,320 --> 00:41:54,920  
really important and it shouldn't be cut

959  
00:42:00,110 --> 00:41:57,330  
now what made this campaign so

960  
00:42:02,660 --> 00:42:00,120  
compelling and successful was the stream

961  
00:42:04,370 --> 00:42:02,670  
of people from the general public who

962  
00:42:07,490 --> 00:42:04,380  
ducked up to talk about how they'd been

963  
00:42:09,800 --> 00:42:07,500

helped by science-based medicine it was

964

00:42:12,260 --> 00:42:09,810

personal it was compelling and people

965

00:42:14,840 --> 00:42:12,270

could relate to it it resonated with the

966

00:42:16,970 --> 00:42:14,850

public who saw no sense in cutting

967

00:42:20,150 --> 00:42:16,980

medical research funding when the return

968

00:42:23,780 --> 00:42:20,160

on investment is so high the budget cuts

969

00:42:26,450 --> 00:42:23,790

were eventually reversed so this is a

970

00:42:28,160 --> 00:42:26,460

great case study for the power of

971

00:42:31,670 --> 00:42:28,170

science communication but this was in

972

00:42:34,940 --> 00:42:31,680

2011 and what has happened since well

973

00:42:37,190 --> 00:42:34,950

not much as is their right and their

974

00:42:38,690 --> 00:42:37,200

responsibility most scientists return to

975

00:42:42,920 --> 00:42:38,700

their benches and forgot all about it

976  
00:42:45,950 --> 00:42:42,930  
but they shouldn't and here's why if we

977  
00:42:48,320 --> 00:42:45,960  
as scientists don't talk about science

978  
00:42:50,330 --> 00:42:48,330  
don't participate in discussions in the

979  
00:42:53,870 --> 00:42:50,340  
media don't write blogs and articles

980  
00:42:56,620 --> 00:42:53,880  
don't translate these complex concepts

981  
00:42:59,450 --> 00:42:56,630  
into the simple then guess what other

982  
00:43:01,810 --> 00:42:59,460  
people will this includes people who

983  
00:43:04,730 --> 00:43:01,820  
don't necessarily understand science or

984  
00:43:07,970 --> 00:43:04,740  
those whose intention is to deliberately

985  
00:43:10,790 --> 00:43:07,980  
distort it for their own gain consider

986  
00:43:13,250 --> 00:43:10,800  
people like Pete Evans Bell Gibson

987  
00:43:16,700 --> 00:43:13,260  
Jessica ainscough Mike Adams dr. mercola

988  
00:43:18,200 --> 00:43:16,710

dr. odds the list goes on and compared

989

00:43:20,330 --> 00:43:18,210

to the number of people doing a poor job

990

00:43:23,330 --> 00:43:20,340

of representing science there are only a

991

00:43:26,330 --> 00:43:23,340

handful sticking up for it so this is

992

00:43:28,160 --> 00:43:26,340

our fault and our responsibility and as

993

00:43:30,050 --> 00:43:28,170

academic scientists we should be

994

00:43:32,780 --> 00:43:30,060

rewarded for the science communication

995

00:43:34,910 --> 00:43:32,790

that we do now I don't have the answer

996

00:43:37,340 --> 00:43:34,920

for how to best design a system to

997

00:43:39,920 --> 00:43:37,350

measure science communication output but

998

00:43:42,410 --> 00:43:39,930

I absolutely think that it should be and

999

00:43:45,140 --> 00:43:42,420

I'm glad this discussion is now taking

1000

00:43:47,560 --> 00:43:45,150

place among scientists because if we

1001  
00:43:49,880 --> 00:43:47,570  
don't stick up for science then who will

1002  
00:43:52,010 --> 00:43:49,890  
you can find the blog version of this

1003  
00:43:54,680 --> 00:43:52,020  
report on the official website of the

1004  
00:43:57,260 --> 00:43:54,690  
skeptics own podcast skeptics book calm

1005  
00:43:59,720 --> 00:43:57,270  
and this has been dr. Richie and I

1006  
00:44:02,480 --> 00:43:59,730  
promise I'll try not to have such a big

1007  
00:44:04,670 --> 00:44:02,490  
gap between reports in future but as I

1008  
00:44:07,640 --> 00:44:04,680  
said I have been pretty busy in Jackson

1009  
00:44:08,359 --> 00:44:07,650  
Wyoming and until next time this has

1010  
00:44:18,859 --> 00:44:08,369  
been

1011  
00:44:21,019 --> 00:44:18,869  
heu reports that was great thank you for

1012  
00:44:23,420 --> 00:44:21,029  
to dr. Rachel all the way over there in

1013  
00:44:29,690 --> 00:44:23,430

Wyoming doing her research took it out

1014

00:44:34,640 --> 00:44:29,700

sometime too hmm was it make America is

1015

00:44:36,739 --> 00:44:34,650

Miami the geography fill me in on my for

1016

00:44:40,130 --> 00:44:36,749

American geography Rocky Mountain work

1017

00:44:44,420 --> 00:44:40,140

for ugly mountains northwest is an e

1018

00:44:47,769 --> 00:44:44,430

colorado tanah rata staff of montana all

1019

00:44:55,160 --> 00:44:47,779

right white hold my car well not now

1020

00:44:59,569 --> 00:44:55,170

it's some of their who's heard of google

1021

00:45:00,980 --> 00:44:59,579

maps all right now folks if on your

1022

00:45:03,620 --> 00:45:00,990

table you'll find some information

1023

00:45:05,690 --> 00:45:03,630

that's for you to eat oh is that man out

1024

00:45:08,599 --> 00:45:05,700

again no he's still embedded in the

1025

00:45:10,999 --> 00:45:08,609

audience couldn't get much more embedded

1026

00:45:13,819 --> 00:45:11,009

ah that was my house someone dinged me

1027

00:45:15,950 --> 00:45:13,829

Oh again you'll have some information on

1028

00:45:18,109 --> 00:45:15,960

your desk there on your table we have

1029

00:45:19,190 --> 00:45:18,119

some copies of the skeptic magazine at

1030

00:45:20,539 --> 00:45:19,200

the front here if you're not a

1031

00:45:23,059 --> 00:45:20,549

subscriber and you'd like to have a

1032

00:45:25,370 --> 00:45:23,069

coffee to peruse by all means come up we

1033

00:45:26,779 --> 00:45:25,380

have some spare copies for you it's

1034

00:45:28,880 --> 00:45:26,789

their one of the oldest skeptical

1035

00:45:35,569 --> 00:45:28,890

journals in Australia from Australian

1036

00:45:37,339 --> 00:45:35,579

skeptics now our next reporter an extra

1037

00:45:39,309 --> 00:45:37,349

Porter was originally going to appear

1038

00:45:42,109 --> 00:45:39,319

with this via Skype on the video screen

1039

00:45:43,759 --> 00:45:42,119

but out of the blue she decided to fly

1040

00:45:45,710 --> 00:45:43,769

down to be with us here in person

1041

00:45:47,620 --> 00:45:45,720

tonight you have on your tables a little

1042

00:45:49,910 --> 00:45:47,630

flyer here from the Northern Rivers

1043

00:45:52,640 --> 00:45:49,920

vaccination supporters a group that I

1044

00:45:54,650 --> 00:45:52,650

support and I admire very much all the

1045

00:46:10,630 --> 00:45:54,660

way from the north coast it's Heidi

1046

00:46:30,609 --> 00:46:14,630

it's the raw skeptic report with Heidi

1047

00:46:41,500 --> 00:46:39,589

thank you hello ah I struggled with what

1048

00:46:43,700 --> 00:46:41,510

I was going to talk about tonight but

1049

00:46:46,069 --> 00:46:43,710

since I've come down from the Northern

1050

00:46:48,980 --> 00:46:46,079

Rivers I thought well and I'm not sure

1051

00:46:52,700 --> 00:46:48,990

how many people here have visited in and

1052

00:46:55,640 --> 00:46:52,710

around byron bay and and surrounds yeah

1053

00:46:58,099 --> 00:46:55,650

so that's kind of where i live in the

1054

00:47:00,440 --> 00:46:58,109

barn bay hinterland up there so i

1055

00:47:03,890 --> 00:47:00,450

thought i'd talk a little bit about what

1056

00:47:10,220 --> 00:47:03,900

it's like to live up there when you are

1057

00:47:12,440 --> 00:47:10,230

skeptically inclined I've spoken a

1058

00:47:14,720 --> 00:47:12,450

little bit about this before on the

1059

00:47:16,760 --> 00:47:14,730

skeptic zone you may or may not know

1060

00:47:18,800 --> 00:47:16,770

that I'm one of the administrators of

1061

00:47:21,710 --> 00:47:18,810

the facebook page and group the Northern

1062

00:47:23,870 --> 00:47:21,720

Rivers vaccination supporters and an

1063

00:47:25,700 --> 00:47:23,880

Richard's been kind enough to to let me

1064

00:47:30,920 --> 00:47:25,710

talk about our group quite a lot on the

1065

00:47:33,470 --> 00:47:30,930

podcast so when I when I first realized

1066

00:47:37,430 --> 00:47:33,480

that I'd moved to one of Australia's

1067

00:47:39,170 --> 00:47:37,440

lowest areas of vaccination and if you

1068

00:47:41,660 --> 00:47:39,180

don't already know Mullen bimbi has

1069

00:47:43,490 --> 00:47:41,670

Australia's lowest rate at under just

1070

00:47:46,970 --> 00:47:43,500

under fifty percent of five year olds

1071

00:47:52,730 --> 00:47:46,980

that are fully vaccinated which is the

1072

00:47:53,960 --> 00:47:52,740

equivalent of South Sudan anyway when I

1073

00:47:55,339 --> 00:47:53,970

first realized that because I didn't

1074

00:47:57,859 --> 00:47:55,349

know when I when I moved there it was

1075

00:48:03,200 --> 00:47:57,869

only when I got pregnant and started to

1076  
00:48:06,050 --> 00:48:03,210  
to to to realize that where I had moved

1077  
00:48:10,250 --> 00:48:06,060  
and I was I was worried I was worried

1078  
00:48:13,130 --> 00:48:10,260  
for me and my babies I was angry but

1079  
00:48:16,520 --> 00:48:13,140  
most of all i think i was confused as to

1080  
00:48:20,270 --> 00:48:16,530  
why people didn't accept the science

1081  
00:48:23,720 --> 00:48:20,280  
behind vaccination but I was scared of

1082  
00:48:25,460 --> 00:48:23,730  
speaking out about it because I didn't

1083  
00:48:28,290 --> 00:48:25,470  
want to be ostracized in this community

1084  
00:48:33,810 --> 00:48:28,300  
that we had just moved to and that would

1085  
00:48:37,380 --> 00:48:33,820  
to raise our children in so that that

1086  
00:48:39,120 --> 00:48:37,390  
realization of where I'd moved to led me

1087  
00:48:41,010 --> 00:48:39,130  
to start looking at everything else you

1088  
00:48:45,210 --> 00:48:41,020

know in a more evidence-based way I

1089

00:48:49,260 --> 00:48:45,220

suppose I started noticing just how much

1090

00:48:52,080 --> 00:48:49,270

whew was actually surrounding me and how

1091

00:48:55,410 --> 00:48:52,090

the denial of science in general was so

1092

00:48:57,840 --> 00:48:55,420

prolific in the area except for one

1093

00:49:01,170 --> 00:48:57,850

glaring exception the science of climate

1094

00:49:05,550 --> 00:49:01,180

change Northern Rivers residents appear

1095

00:49:07,200 --> 00:49:05,560

to accept that and the science and

1096

00:49:09,950 --> 00:49:07,210

technology that allows them their cars

1097

00:49:12,240 --> 00:49:09,960

their computers and their smartphones I

1098

00:49:14,340 --> 00:49:12,250

guess one might say there's a certain

1099

00:49:19,140 --> 00:49:14,350

amount of cherry-picking of the science

1100

00:49:22,200 --> 00:49:19,150

I have a paramedic friend up in the

1101  
00:49:23,820 --> 00:49:22,210  
region that has gone to families and had

1102  
00:49:26,340 --> 00:49:23,830  
to take their babies to hospital with

1103  
00:49:28,710 --> 00:49:26,350  
whooping cough it's a standard question

1104  
00:49:30,060 --> 00:49:28,720  
when paramedics treat children to ask if

1105  
00:49:33,030 --> 00:49:30,070  
the child is up to date with their

1106  
00:49:35,790 --> 00:49:33,040  
vaccinations a couple of times these

1107  
00:49:38,550 --> 00:49:35,800  
families that she attended have whilst

1108  
00:49:40,400 --> 00:49:38,560  
smoking a joint proudly proclaims that

1109  
00:49:45,050 --> 00:49:40,410  
they are conscientious objectors

1110  
00:49:49,710 --> 00:49:47,070  
vaccinations always been a no-brainer

1111  
00:49:51,840 --> 00:49:49,720  
for me I've traveled extensively and

1112  
00:49:55,350 --> 00:49:51,850  
being loaded up with just about every

1113  
00:49:57,720 --> 00:49:55,360

conceivable vaccine available and I'm

1114

00:49:59,850 --> 00:49:57,730

grateful to Big Pharma for the

1115

00:50:02,070 --> 00:49:59,860

protection they've given me in countries

1116

00:50:06,270 --> 00:50:02,080

like South East Asia South America

1117

00:50:09,960 --> 00:50:06,280

Central America but also in my hometown

1118

00:50:11,880 --> 00:50:09,970

of mullumbimby and yep we need

1119

00:50:13,530 --> 00:50:11,890

protection perhaps more than some of

1120

00:50:16,950 --> 00:50:13,540

those developing countries that I

1121

00:50:20,670 --> 00:50:16,960

mentioned earlier being so close to

1122

00:50:23,550 --> 00:50:20,680

byron bay we're about 1.7 million

1123

00:50:26,130 --> 00:50:23,560

tourists many of them backpackers visit

1124

00:50:28,440 --> 00:50:26,140

every year it's only going to take one

1125

00:50:31,650 --> 00:50:28,450

person who's picked up measles say from

1126  
00:50:35,820 --> 00:50:31,660  
barley and then come holiday environme

1127  
00:50:38,010 --> 00:50:35,830  
to start an epidemic next time you're in

1128  
00:50:39,600 --> 00:50:38,020  
the Northern Rivers region and you've

1129  
00:50:42,400 --> 00:50:39,610  
had your booster shots

1130  
00:50:45,670 --> 00:50:42,410  
take a walk down the main streets of

1131  
00:50:49,300 --> 00:50:45,680  
mullum mb or nimbin for a skeptic it's a

1132  
00:50:51,640 --> 00:50:49,310  
veritable smorgasbord of whoo it's like

1133  
00:50:56,110 --> 00:50:51,650  
permanently living in a mind-body wallet

1134  
00:50:57,390 --> 00:50:56,120  
festival you'll see notice boards with

1135  
00:51:00,820 --> 00:50:57,400  
advertisements for things like

1136  
00:51:03,880 --> 00:51:00,830  
craniosacral healing chakra balancing

1137  
00:51:07,210 --> 00:51:03,890  
many many clairvoyants and psychic

1138  
00:51:11,590 --> 00:51:07,220

mediums Reiki practitioners spiritual

1139

00:51:14,740 --> 00:51:11,600

duelers and so on stalls at local market

1140

00:51:16,390 --> 00:51:14,750

selling healing crystals and DVDs

1141

00:51:18,910 --> 00:51:16,400

showing you how to protect yourself from

1142

00:51:22,060 --> 00:51:18,920

the harmful substances contained in chem

1143

00:51:26,430 --> 00:51:22,070

trails which you and I may also know as

1144

00:51:30,100 --> 00:51:26,440

contrails posters which read look up

1145

00:51:33,060 --> 00:51:30,110

treason in the sky are placed high up on

1146

00:51:35,470 --> 00:51:33,070

power poles and trees on major roads I'm

1147

00:51:36,610 --> 00:51:35,480

sure the people that place in there have

1148

00:51:39,010 --> 00:51:36,620

overlooked the fact that they are

1149

00:51:40,510 --> 00:51:39,020

potentially killing the trees whilst

1150

00:51:42,100 --> 00:51:40,520

promoting their concern for the

1151

00:51:46,060 --> 00:51:42,110

environment they mail them into the

1152

00:51:48,430 --> 00:51:46,070

trees but it's not uncommon to also see

1153

00:51:50,440 --> 00:51:48,440

people driving clapped-out dachshunds

1154

00:51:52,900 --> 00:51:50,450

and and the like with black smoke

1155

00:51:54,670 --> 00:51:52,910

billowing from the exhaust and bumper

1156

00:51:59,260 --> 00:51:54,680

stickers lamenting the destruction of

1157

00:52:08,350 --> 00:51:59,270

rainforests if you don't believe me

1158

00:52:11,890 --> 00:52:08,360

about the chem trail signs I've always

1159

00:52:12,940 --> 00:52:11,900

had it sure how this is going to go on

1160

00:52:28,210 --> 00:52:12,950

the podcast

1161

00:52:36,430 --> 00:52:28,220

I couldn't read your camera reason to

1162

00:52:43,420 --> 00:52:36,440

the school I somehow procured this this

1163

00:52:45,579 --> 00:52:43,430

one yesterday for Joe years otay ok I've

1164

00:52:52,240 --> 00:52:45,589

been promising you i procured this one

1165

00:52:54,790 --> 00:52:52,250

the day before for richard and i thought

1166

00:52:57,940 --> 00:52:54,800

the president of australian skeptics

1167

00:53:02,260 --> 00:52:57,950

must also have one please so this is for

1168

00:53:05,560 --> 00:53:02,270

a run ah he's gone there is is this for

1169

00:53:10,780 --> 00:53:05,570

you around that's really hot rod ah yes

1170

00:53:13,560 --> 00:53:10,790

of course thank you so for podcast

1171

00:53:17,050 --> 00:53:13,570

listeners these posters say look up

1172

00:53:19,870 --> 00:53:17,060

treason in the sky geoengineering

1173

00:53:23,550 --> 00:53:19,880

climate change chemtrails dumping poison

1174

00:53:25,809 --> 00:53:23,560

from planes contact your local member

1175

00:53:29,200 --> 00:53:25,819

local members on the back there for you

1176

00:53:38,370 --> 00:53:29,210

to call flirt room exactly poor old

1177

00:53:41,530 --> 00:53:38,380

Janelle Saffin oh yes okay where was I

1178

00:53:43,329 --> 00:53:41,540

so what's what else about living in the

1179

00:53:45,940 --> 00:53:43,339

northern rivers you can be at a school

1180

00:53:48,460 --> 00:53:45,950

event or a kid's birthday party and be

1181

00:53:51,220 --> 00:53:48,470

having a lovely perfectly normal

1182

00:53:54,880 --> 00:53:51,230

conversation with people when one will

1183

00:53:58,059 --> 00:53:54,890

say well I have to go to my Reiki /

1184

00:54:01,329 --> 00:53:58,069

magnetic healing / by our resonance

1185

00:54:02,589 --> 00:54:01,339

healing session now or I have an

1186

00:54:06,400 --> 00:54:02,599

appointment to get my horse at

1187

00:54:10,540 --> 00:54:06,410

chiropractic adjustment oh no really hey

1188

00:54:13,059 --> 00:54:10,550

or I've just had my property balanced

1189

00:54:16,750 --> 00:54:13,069

we've been told where the best energy is

1190

00:54:17,780 --> 00:54:16,760

to build our new house just last week I

1191

00:54:19,390 --> 00:54:17,790

was in a tan

1192

00:54:22,520 --> 00:54:19,400

his house he was a keen amateur

1193

00:54:24,140 --> 00:54:22,530

astronomer and retired scientist he has

1194

00:54:26,720 --> 00:54:24,150

an observatory set up in his backyard

1195

00:54:29,120 --> 00:54:26,730

with computer operated telescopes

1196

00:54:32,150 --> 00:54:29,130

amazing stuff you can imagine how

1197

00:54:34,760 --> 00:54:32,160

excited I was I got to see the rings of

1198

00:54:37,880 --> 00:54:34,770

Saturn and Titan from a backyard in the

1199

00:54:39,770 --> 00:54:37,890

northern rivers but there he was dealing

1200

00:54:44,420 --> 00:54:39,780

with one of the guests who was a moon

1201  
00:54:46,880 --> 00:54:44,430  
landing denial it's normal in the

1202  
00:54:49,400 --> 00:54:46,890  
northern rivers to use homeopathy for

1203  
00:54:52,070 --> 00:54:49,410  
everything including as a replacement

1204  
00:54:55,130 --> 00:54:52,080  
for vaccinations it's what's known as

1205  
00:54:57,710 --> 00:54:55,140  
homeo prophylaxis and by many it's seen

1206  
00:55:03,470 --> 00:54:57,720  
as a legitimate form of protection for

1207  
00:55:06,200 --> 00:55:03,480  
from infectious diseases some skeptics

1208  
00:55:07,790 --> 00:55:06,210  
have asked me how I can live in such an

1209  
00:55:09,740 --> 00:55:07,800  
area and you'd be forgiven for thinking

1210  
00:55:12,470 --> 00:55:09,750  
that every day would be a special kind

1211  
00:55:15,440 --> 00:55:12,480  
of hell for someone who values evidence

1212  
00:55:17,990 --> 00:55:15,450  
above opinion and belief although

1213  
00:55:20,360 --> 00:55:18,000

alternative therapies are part of what

1214

00:55:22,340 --> 00:55:20,370

the area is renowned for and it's

1215

00:55:25,370 --> 00:55:22,350

synonymous in many ways with hippies and

1216

00:55:27,980 --> 00:55:25,380

smoking pot there are also the benefits

1217

00:55:30,410 --> 00:55:27,990

of the natural beauty the beaches the

1218

00:55:33,050 --> 00:55:30,420

fresh local produce and yes diversity of

1219

00:55:34,610 --> 00:55:33,060

different lifestyles I mean as far as

1220

00:55:36,740 --> 00:55:34,620

I'm concerned people should live however

1221

00:55:39,200 --> 00:55:36,750

the heck they want to live as long as

1222

00:55:41,630 --> 00:55:39,210

it's not hurting others around them in

1223

00:55:44,600 --> 00:55:41,640

fact myself and another member of our

1224

00:55:47,570 --> 00:55:44,610

group the vaccination supporters group

1225

00:55:50,270 --> 00:55:47,580

are appearing right about now my phone's

1226

00:55:53,630 --> 00:55:50,280

been pigging like mad in the past 15

1227

00:55:56,180 --> 00:55:53,640

minutes on channel 9 on a show called

1228

00:55:58,190 --> 00:55:56,190

inside story about just just this you'll

1229

00:56:01,100 --> 00:55:58,200

see if you take a look online later

1230

00:56:03,890 --> 00:56:01,110

you'll see what I mean and for people

1231

00:56:08,120 --> 00:56:03,900

listening to the podcast it's airing on

1232

00:56:11,150 --> 00:56:08,130

the 6th of august and yes we are bracing

1233

00:56:13,040 --> 00:56:11,160

for the online and in-person onslaught

1234

00:56:15,590 --> 00:56:13,050

by some members of our community as

1235

00:56:20,150 --> 00:56:15,600

always happens when we speak out in the

1236

00:56:23,690 --> 00:56:20,160

media about vaccination I've had to pick

1237

00:56:26,030 --> 00:56:23,700

my battles in my case our groups focus

1238

00:56:28,790 --> 00:56:26,040

and priority is on raising vaccination

1239

00:56:30,050 --> 00:56:28,800

rates in our area we use the metaphor

1240

00:56:32,840 --> 00:56:30,060

sometimes about

1241

00:56:35,420 --> 00:56:32,850

being a bucket under a dripping tap the

1242

00:56:38,780 --> 00:56:35,430

leaky tap being the constant drip drip

1243

00:56:41,810 --> 00:56:38,790

drip of misinformation we can only catch

1244

00:56:44,480 --> 00:56:41,820

the drips so to speak but we need

1245

00:56:47,990 --> 00:56:44,490

government legislators and the various

1246

00:56:50,690 --> 00:56:48,000

other acronyms to step in and fix the

1247

00:56:52,400 --> 00:56:50,700

tap to come down hard on the spread of

1248

00:56:55,070 --> 00:56:52,410

vaccine misinformation by the

1249

00:56:58,250 --> 00:56:55,080

professional anti-vaxxers and the

1250

00:57:06,010 --> 00:56:58,260

proponents of supercalifragilistic homeo

1251  
00:57:16,180 --> 00:57:14,320  
oh oh the more the far north coast let's

1252  
00:57:23,110 --> 00:57:16,190  
let's get the clicking going don't don't

1253  
00:57:29,470 --> 00:57:23,120  
stop the clicking each the miracle magic

1254  
00:57:34,880 --> 00:57:29,480  
you're missing man ah it'll treat you if

1255  
00:57:44,890 --> 00:57:37,970  
he's only got half a glass of barely

1256  
00:58:14,359 --> 00:58:11,599  
logis man hi I'm dr. stefan sojka from

1257  
00:58:17,450 --> 00:58:14,369  
the crown hotel holistic healing chakra

1258  
00:58:20,469 --> 00:58:17,460  
balancing homeopathic detox liquor and

1259  
00:58:23,089 --> 00:58:20,479  
gaming institute how can I help you

1260  
00:58:24,920 --> 00:58:23,099  
hello I'm Richard Saunders from the

1261  
00:58:28,339 --> 00:58:24,930  
skeptic zone podcast I was wondering

1262  
00:58:30,200 --> 00:58:28,349  
could you take a look at my neck I seem

1263  
00:58:33,079 --> 00:58:30,210

to have a freckle that seems to be well

1264

00:58:36,680 --> 00:58:33,089

changing shape recently I think it could

1265

00:58:38,839 --> 00:58:36,690

be melanoma melanoma SH melanoma now

1266

00:58:40,400 --> 00:58:38,849

reaching you are talking to a highly

1267

00:58:42,410 --> 00:58:40,410

decorated alternative medical

1268

00:58:43,940 --> 00:58:42,420

practitioner here I have a hundred and

1269

00:58:46,130 --> 00:58:43,950

fifty two very nicely designed

1270

00:58:47,599 --> 00:58:46,140

certificates to my name acquired from

1271

00:58:51,499 --> 00:58:47,609

some of the best virtual healing

1272

00:58:53,299 --> 00:58:51,509

Institute home pages on google+ I can't

1273

00:58:55,219 --> 00:58:53,309

have my patients going all technical on

1274

00:58:57,259 --> 00:58:55,229

me and thinking they can understand the

1275

00:59:00,140 --> 00:58:57,269

way the human embodiment of our eternal

1276  
00:59:02,209 --> 00:59:00,150  
astral dimension songs function let me

1277  
00:59:03,700 --> 00:59:02,219  
run a few bark flower fragrance charts

1278  
00:59:06,079 --> 00:59:03,710  
to divine your condition and

1279  
00:59:10,700 --> 00:59:06,089  
predetermine the best wellness program

1280  
00:59:12,799 --> 00:59:10,710  
for you shall I take my shirt off don't

1281  
00:59:14,989 --> 00:59:12,809  
be ridiculous there's nothing I can't

1282  
00:59:17,569 --> 00:59:14,999  
diagnose by simply tuning in to your

1283  
00:59:19,640 --> 00:59:17,579  
quantum vibrations and registering any

1284  
00:59:24,620 --> 00:59:19,650  
subatomic disturbances through my

1285  
00:59:29,930 --> 00:59:24,630  
magnetic Reiki gloves now show me your

1286  
00:59:33,840 --> 00:59:29,940  
third eye no not that one

1287  
00:59:35,430 --> 00:59:33,850  
that's better hmm that's one of the

1288  
00:59:37,410 --> 00:59:35,440

worst cases of ectoplasmic

1289

00:59:39,420 --> 00:59:37,420

conjunctivitis I've seen this week I

1290

00:59:43,710 --> 00:59:39,430

mean we're taking any homeopathic

1291

00:59:47,550 --> 00:59:43,720

remedies for this oh no good you don't

1292

00:59:49,230 --> 00:59:47,560

want to hammer it too hard too soon I'd

1293

00:59:52,560 --> 00:59:49,240

be coming for something infinitesimally

1294

00:59:54,540 --> 00:59:52,570

less potent than homeopathy here drink

1295

00:59:56,940 --> 00:59:54,550

this organic craft beer with a designer

1296

01:00:00,210 --> 00:59:56,950

label from behind a bar and come back to

1297

01:00:04,920 --> 01:00:00,220

see me in three months time three months

1298

01:00:06,930 --> 01:00:04,930

later oh hello Richard great to see you

1299

01:00:11,100 --> 01:00:06,940

how's that ectoplasmic conjunctivitis

1300

01:00:12,600 --> 01:00:11,110

going I have no idea but I'm really

1301

01:00:15,150 --> 01:00:12,610

starting to get concerned about this

1302

01:00:18,240 --> 01:00:15,160

freckle I scratch it the other day and

1303

01:00:20,250 --> 01:00:18,250

it started to bleed oh that's terrible

1304

01:00:22,320 --> 01:00:20,260

you really shouldn't scratch yourself

1305

01:00:24,120 --> 01:00:22,330

don't you know that itching is your

1306

01:00:26,340 --> 01:00:24,130

body's way of telling you that you

1307

01:00:30,390 --> 01:00:26,350

haven't done enough Kundalini uncoiling

1308

01:00:32,190 --> 01:00:30,400

yoga exercises now how's your liver my

1309

01:00:36,240 --> 01:00:32,200

liver what's that got to do with

1310

01:00:38,190 --> 01:00:36,250

anything Richard 99.999% of the entire

1311

01:00:41,130 --> 01:00:38,200

world's population suffers from liver

1312

01:00:43,530 --> 01:00:41,140

toxicity I know hard to believe right

1313

01:00:45,980 --> 01:00:43,540

but let me tell you my BMW dealer is

1314

01:00:49,650 --> 01:00:45,990

very happy with those kind of statistics

1315

01:00:51,750 --> 01:00:49,660

you clearly have a sluggish liver look

1316

01:00:54,150 --> 01:00:51,760

at you sitting there all toxic and

1317

01:00:56,490 --> 01:00:54,160

lethargic your irises are all over the

1318

01:00:58,350 --> 01:00:56,500

shop I don't know how you even managed

1319

01:01:01,110 --> 01:00:58,360

to get here without a spirit died and

1320

01:01:02,610 --> 01:01:01,120

the GPS encoded healing crystal I'm

1321

01:01:04,680 --> 01:01:02,620

going to put you on an immediate

1322

01:01:11,040 --> 01:01:04,690

emergency course of one to three duck

1323

01:01:13,020 --> 01:01:11,050

flush one drink this to swallow that now

1324

01:01:15,860 --> 01:01:13,030

three wait for three days and you'll be

1325

01:01:18,780 --> 01:01:15,870

thoroughly cleansed from the inside out

1326

01:01:21,290 --> 01:01:18,790

okay dr. Stefan are you sure about this

1327

01:01:25,040 --> 01:01:21,300

I am really worried about my freckle

1328

01:01:29,850 --> 01:01:25,050

freckle schmekel see you in three months

1329

01:01:31,800 --> 01:01:29,860

three months later Oh Richard great to

1330

01:01:34,950 --> 01:01:31,810

see you again hey thanks for paying all

1331

01:01:37,680 --> 01:01:34,960

my invoices how can I help you another

1332

01:01:38,099 --> 01:01:37,690

liver detox can I interest you in an ear

1333

01:01:40,140 --> 01:01:38,109

can

1334

01:01:43,640 --> 01:01:40,150

impasse perhaps a drain I'll give your

1335

01:01:47,130 --> 01:01:43,650

pineal gland how about a foot massage

1336

01:01:49,349 --> 01:01:47,140

yes but doctor it's my freckle it's

1337

01:01:51,599 --> 01:01:49,359

really out of control it's bleeding

1338

01:01:54,180 --> 01:01:51,609

continuously it's granted the size of a

1339

01:01:57,359 --> 01:01:54,190

prune and I'm starting to feel great

1340

01:02:00,569 --> 01:01:57,369

lumps in my armpits Richard have you

1341

01:02:05,579 --> 01:02:00,579

been vaccinated yes of course I thought

1342

01:02:08,130 --> 01:02:05,589

so typical you're clearly autistic now

1343

01:02:10,259 --> 01:02:08,140

sit still i'm going to try to stem the

1344

01:02:14,249 --> 01:02:10,269

bleeding it looks like you've punctured

1345

01:02:17,160 --> 01:02:14,259

your aura now with a combination of raki

1346

01:02:22,680 --> 01:02:17,170

and punjabi shaman chanting I'll see

1347

01:02:25,499 --> 01:02:22,690

what I can do oh the stun nava shut up

1348

01:02:31,880 --> 01:02:25,509

Latonya including pull the brush cachaca

1349

01:02:35,729 --> 01:02:31,890

ah how's that did you feel anything no

1350

01:02:37,229 --> 01:02:35,739

good now take these to prayer rugs and

1351

01:02:42,779 --> 01:02:37,239

come back to see me in three months time

1352

01:02:44,279 --> 01:02:42,789

Oh three months later Richard oh great

1353

01:02:48,059 --> 01:02:44,289

to see you how are you getting along

1354

01:02:50,789 --> 01:02:48,069

there I feel terrible I think might be

1355

01:02:53,849 --> 01:02:50,799

melanoma I think it's metastasizing my

1356

01:02:55,680 --> 01:02:53,859

bones lungs spleen pancreas and liver I

1357

01:02:58,579 --> 01:02:55,690

don't think I've got long to live

1358

01:03:02,430 --> 01:02:58,589

unfortunately but thanks for asking

1359

01:03:04,529 --> 01:03:02,440

excellent look when the spirits call you

1360

01:03:06,569 --> 01:03:04,539

back they call you back that's all I can

1361

01:03:08,970 --> 01:03:06,579

say I can't say I didn't throw

1362

01:03:11,460 --> 01:03:08,980

everything I had at you you've not been

1363

01:03:13,890 --> 01:03:11,470

the easiest of patients either if I may

1364

01:03:16,349 --> 01:03:13,900

be so rude I believe I detected a hint

1365

01:03:18,470 --> 01:03:16,359

of skepticism in you ever since you

1366

01:03:21,720 --> 01:03:18,480

started coming to my wellness institute

1367

01:03:26,190 --> 01:03:21,730

okay i'm going to try one last treatment

1368

01:03:30,150 --> 01:03:26,200

here hold this what is it it's a life

1369

01:03:32,460 --> 01:03:30,160

wire healing one but not just any life

1370

01:03:34,859 --> 01:03:32,470

wire this one has been infused with

1371

01:03:35,880 --> 01:03:34,869

three times as many Higgs boson

1372

01:03:38,099 --> 01:03:35,890

particles

1373

01:03:41,250 --> 01:03:38,109

then any other life why in my collection

1374

01:03:46,200 --> 01:03:41,260

I have them added at the small hadron

1375

01:03:49,920 --> 01:03:46,210

collider downstairs in yourself now i

1376

01:03:51,950 --> 01:03:49,930

will also attend some micro reiki using

1377

01:03:54,839 --> 01:03:51,960

my carbon nanotubes and graphene

1378

01:03:57,390 --> 01:03:54,849

magnetic reiki gloves i'm going to

1379

01:03:59,460 --> 01:03:57,400

attempt to re-encode your DNA molecules

1380

01:04:01,829 --> 01:03:59,470

are then unfold and refold your

1381

01:04:07,799 --> 01:04:01,839

offending proteins much like a fitted

1382

01:04:09,779 --> 01:04:07,809

bedsheet only a lot smaller and done I

1383

01:04:15,599 --> 01:04:09,789

don't think you need to see me ever

1384

01:04:17,250 --> 01:04:15,609

again three months later hmmm what had

1385

01:04:20,279 --> 01:04:17,260

that patient of mine wait what's his

1386

01:04:22,470 --> 01:04:20,289

name didn't even call the think me after

1387

01:04:25,410 --> 01:04:22,480

all I did for you I guess he must have

1388

01:04:28,190 --> 01:04:25,420

crossed over hmm I think I'll try and

1389

01:04:34,190 --> 01:04:28,200

contact him what's his name again and

1390

01:04:40,200 --> 01:04:34,200

getting an hour getting it i rub Robert

1391

01:04:45,720 --> 01:04:40,210

Redmond r it Richard Richard Richard are

1392

01:04:47,670 --> 01:04:45,730

you here yes I'm here do you have any

1393

01:04:51,029 --> 01:04:47,680

messages for your friends and family

1394

01:04:52,710 --> 01:04:51,039

back here on earth hello friends and

1395

01:04:56,430 --> 01:04:52,720

family I'm right here dr. Stefan I'm

1396

01:04:59,730 --> 01:04:56,440

alive oh great Archangel Gabriel it's a

1397

01:05:02,130 --> 01:04:59,740

miracle he's alive actually no I gave up

1398

01:05:04,079 --> 01:05:02,140

and went to see a skin specialist he put

1399

01:05:06,480 --> 01:05:04,089

me on a course of chemotherapy and be

1400

01:05:10,440 --> 01:05:06,490

rough inhibitors and I'm totally in

1401  
01:05:12,720 --> 01:05:10,450  
remission Helen oh yeah ah yes another

1402  
01:05:15,809 --> 01:05:12,730  
success story for me thank you Richard

1403  
01:05:17,970 --> 01:05:15,819  
ah I'm sure you won't mind if i use you

1404  
01:05:20,249 --> 01:05:17,980  
as a testimonial as i'm presenting your

1405  
01:05:23,069 --> 01:05:20,259  
case in alton at an alternative healing

1406  
01:05:28,859 --> 01:05:23,079  
conference in Las Vegas next week it's

1407  
01:05:32,160 --> 01:05:28,869  
called sham 15 yes I do mind great thank

1408  
01:05:34,650 --> 01:05:32,170  
you much appreciated oh it feels so good

1409  
01:05:42,390 --> 01:05:34,660  
to be so good I think it's time for

1410  
01:05:46,140 --> 01:05:42,400  
another song some see my title doctor is

1411  
01:05:57,490 --> 01:05:50,160  
I got anecdotal evidence that I killed

1412  
01:06:01,240 --> 01:05:57,500  
melanoma mom psychological the Sigmund

1413  
01:06:04,210 --> 01:06:01,250

Freud more sway Cadel like then Pink

1414

01:06:17,140 --> 01:06:04,220

Floyd shut up but let me take your money

1415

01:06:19,900 --> 01:06:17,150

I'm I'll thank you dr. Stefan so I come

1416

01:06:22,480 --> 01:06:19,910

back dr. Stefan Saiga well folks that

1417

01:06:24,520 --> 01:06:22,490

just about wraps up the live skeptic

1418

01:06:27,820 --> 01:06:24,530

zone but we do have some time Maynard

1419

01:06:29,440 --> 01:06:27,830

embedded in the audience well was there

1420

01:06:30,910 --> 01:06:29,450

the go the free jump at the back is now

1421

01:06:32,740 --> 01:06:30,920

obviously looking up some porn on the

1422

01:06:38,350 --> 01:06:32,750

computer there did you have a question

1423

01:06:41,140 --> 01:06:38,360

that you want Hank hanging him in he's

1424

01:06:42,910 --> 01:06:41,150

been investigated this young Oh Ashley

1425

01:06:44,200 --> 01:06:42,920

Madison yes yea sorry I'm putting a

1426

01:06:45,700 --> 01:06:44,210

border leave request for my daughter for

1427

01:06:49,960 --> 01:06:45,710

the weekend sorry cuz she just told me I

1428

01:06:51,760 --> 01:06:49,970

was late what but but but the question

1429

01:06:59,920 --> 01:06:51,770

to Joe and I tweeted it to her she

1430

01:07:05,760 --> 01:06:59,930

didn't say orgasmatron III need

1431

01:07:14,790 --> 01:07:12,940

orgasmatron thank you and that's the

1432

01:07:19,660 --> 01:07:14,800

caliber of the questions we get to know

1433

01:07:22,480 --> 01:07:19,670

I think we're gonna leave all the girls

1434

01:07:23,620 --> 01:07:22,490

behind you there God someone even

1435

01:07:27,820 --> 01:07:23,630

further up the back I don't think it was

1436

01:07:31,900 --> 01:07:27,830

possible yeah so it's kenny everett no

1437

01:07:34,900 --> 01:07:31,910

i'm not so haven't having seen the skit

1438

01:07:37,780 --> 01:07:34,910

I have a question are all the money

1439

01:07:39,820 --> 01:07:37,790

bought sorry mind-body water festival

1440

01:07:41,680 --> 01:07:39,830

interviews like that too are all

1441

01:07:44,290 --> 01:07:41,690

avoiding long as that sounds like this

1442

01:07:46,420 --> 01:07:44,300

are they all sketches as well or is are

1443

01:07:48,820 --> 01:07:46,430

they all my body what they've seemed

1444

01:07:50,650 --> 01:07:48,830

like all sketches they sound the stuff

1445

01:07:52,300 --> 01:07:50,660

that Stefan Soyka was doing is mild

1446

01:07:53,009 --> 01:07:52,310

compared to some of the things we see it

1447

01:07:54,479 --> 01:07:53,019

mind body

1448

01:07:55,739 --> 01:07:54,489

I can promise you that and actually

1449

01:07:58,380 --> 01:07:55,749

Stephanie would like to know how much

1450

01:08:00,389 --> 01:07:58,390

that was you making up those those words

1451

01:08:03,539 --> 01:08:00,399

salads and how much was it stuff you got

1452

01:08:07,999 --> 01:08:03,549

off it natural therapy now I'm a fully

1453

01:08:12,839 --> 01:08:10,589

I'm skeptical i don't think you

1454

01:08:17,930 --> 01:08:12,849

mentioned orgone energy once in your

1455

01:08:24,990 --> 01:08:21,180

that's because the FDA I sought you out

1456

01:08:27,149 --> 01:08:25,000

clearly your Big Show a big shot for big

1457

01:08:29,160 --> 01:08:27,159

problem yeah no no I can't talk about

1458

01:08:31,529 --> 01:08:29,170

that as a court case in D so I'm sorry

1459

01:08:33,450 --> 01:08:31,539

about it now main island we've come to

1460

01:08:36,539 --> 01:08:33,460

the end of the show do we have a winner

1461

01:08:39,149 --> 01:08:36,549

maybe for the cosmos DVD or clearly this

1462

01:08:41,129 --> 01:08:39,159

guy here alright who was not looking at

1463

01:08:43,079 --> 01:08:41,139

porn but in fact making time for his

1464

01:08:45,450 --> 01:08:43,089

daughter live here while we were

1465

01:08:47,069 --> 01:08:45,460

recording the skeptic zone so what great

1466

01:08:48,930 --> 01:08:47,079

family doing for him he's daughter

1467

01:08:52,799 --> 01:08:48,940

anywhere else in the family who has a

1468

01:08:54,870 --> 01:08:52,809

day off ci sir enjoy it now say thank

1469

01:08:59,700 --> 01:08:54,880

you thank you may not and thank you

1470

01:09:08,129 --> 01:08:59,710

skeptics I'm so Iran and may not come up

1471

01:09:09,509 --> 01:09:08,139

the front Heidi and Jove hey thank you

1472

01:09:11,129 --> 01:09:09,519

everybody for coming along to the

1473

01:09:12,930 --> 01:09:11,139

skeptic zone live it's the first live

1474

01:09:20,129 --> 01:09:12,940

one we've done in about five years hope

1475

01:09:21,299 --> 01:09:20,139

we can do some more soon and for those

1476

01:09:25,680 --> 01:09:21,309

of you at home where mugging for

1477

01:09:27,269 --> 01:09:25,690

photographs at the moment and well I

1478

01:09:29,879 --> 01:09:27,279

didn't run downstairs to get anything

1479

01:09:31,829 --> 01:09:29,889

this week oh I'll have to now the show's

1480

01:09:33,569 --> 01:09:31,839

over i can run outside and get a pub me

1481

01:09:36,329 --> 01:09:33,579

but in run downstairs and spin is

1482

01:09:38,939 --> 01:09:36,339

entirely being the VIP poker room i am

1483

01:09:40,439 --> 01:09:38,949

eating cheese and crackers but for this

1484

01:09:50,390 --> 01:09:40,449

week this is Richard Saunders in the

1485

01:09:56,580 --> 01:09:52,829

you've been listening to the skeptics

1486

01:09:59,520 --> 01:09:56,590

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1487

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1496

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1497

01:10:28,650 --> 01:10:26,560

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