

The Skeptic Zone
Show 346 - 7 June 2015



Saunders & Alabaster

1
00:00:22,740 --> 00:00:09,080
welcome to the skeptic zone the podcast

2
00:00:31,260 --> 00:00:25,600
hello and welcome to the skeptics are an

3
00:00:34,420 --> 00:00:31,270
episode number 346 for the 7th of jun

4
00:00:37,540 --> 00:00:34,430
2015 Richard Saunders here with you from

5
00:00:40,869 --> 00:00:37,550
Sydney Australia and what lovely weather

6
00:00:44,950 --> 00:00:40,879
it is in Sydney Australia lovely wintery

7
00:00:47,799 --> 00:00:44,960
crisp days and cool evenings not a bad

8
00:00:49,750 --> 00:00:47,809
place to be at all coming up on this

9
00:00:51,220 --> 00:00:49,760
week's episode of the skeptic zone we're

10
00:00:54,220 --> 00:00:51,230
going to kick off with evidence please

11
00:00:57,040 --> 00:00:54,230
with Joe alabasta some news this week

12
00:00:59,229 --> 00:00:57,050
concerning the old chestnut of

13
00:01:02,729 --> 00:00:59,239

homeopathy I wonder if you can get

14

00:01:04,930 --> 00:01:02,739

homeopathic chestnuts you probably can

15

00:01:07,060 --> 00:01:04,940

Joe is going to be discussing some

16

00:01:09,490 --> 00:01:07,070

latest developments there including

17

00:01:12,070 --> 00:01:09,500

praise where praise is due to our good

18

00:01:15,160 --> 00:01:12,080

friends at the good thinking Society in

19

00:01:17,109 --> 00:01:15,170

the UK congratulations to you people who

20

00:01:20,670 --> 00:01:17,119

have been doing some undercover over the

21

00:01:26,020 --> 00:01:20,680

cover over the counter investigations

22

00:01:29,499 --> 00:01:26,030

homeopathic owls well just just when you

23

00:01:32,830 --> 00:01:29,509

think homeopathy can't get any more

24

00:01:35,469 --> 00:01:32,840

Looney stay tuned for evidence please

25

00:01:36,730 --> 00:01:35,479

with Joe alabaster following that it's a

26

00:01:40,960 --> 00:01:36,740

week in science from the Royal

27

00:01:43,870 --> 00:01:40,970

Institution of Australia www r-ia us dot

28

00:01:47,499 --> 00:01:43,880

org on a you the URL I tell you about

29

00:01:49,120 --> 00:01:47,509

frequently worth a visit and indeed the

30

00:01:51,160 --> 00:01:49,130

actual institution itself in the

31

00:01:52,839 --> 00:01:51,170

beautiful city of Adelaide is always

32

00:01:54,639 --> 00:01:52,849

worth a visit hello to my good friend

33

00:01:57,609 --> 00:01:54,649

dr. Paul Willis who is the director

34

00:02:00,520 --> 00:01:57,619

there and then after that it's a report

35

00:02:03,040 --> 00:02:00,530

from mind body spirit mind body wallet

36

00:02:06,400 --> 00:02:03,050

as we call it Joe alabaster Alethea

37

00:02:09,070 --> 00:02:06,410

deener answer given myself were at mind

38

00:02:11,080 --> 00:02:09,080

body spirit just the other week and I'm

39

00:02:14,170 --> 00:02:11,090

going to be telling you about some of

40

00:02:15,640 --> 00:02:14,180

them fact I got them right here you know

41

00:02:17,440 --> 00:02:15,650

what's this some of the brochures and

42

00:02:20,920 --> 00:02:17,450

things and conversations we had at

43

00:02:23,110 --> 00:02:20,930

mind-body wallet idea discover amazing

44

00:02:27,180 --> 00:02:23,120

health benefits of the computerized

45

00:02:30,760 --> 00:02:27,190

nonlinear analysis system and LS

46

00:02:33,130 --> 00:02:30,770

Metatron for health check fast effective

47

00:02:38,290 --> 00:02:33,140

painless non-invasive

48

00:02:40,660 --> 00:02:38,300

yeah whately hear about this one folks

49

00:02:44,680 --> 00:02:40,670

and the other goodies from mind-body

50

00:02:47,500 --> 00:02:44,690

wallet then quick report from the four

51
00:02:50,320 --> 00:02:47,510
of us just after the event and then I'm

52
00:02:54,160 --> 00:02:50,330
going to replay report by our dear

53
00:02:56,850 --> 00:02:54,170
friend Joe and Ben amoo from 2009 from

54
00:02:59,860 --> 00:02:56,860
the skeptic zone with her thoughts on

55
00:03:02,710 --> 00:02:59,870
mind-body wallet mind body spirit and

56
00:03:07,510 --> 00:03:02,720
after all these years it's sad that not

57
00:03:10,750 --> 00:03:07,520
much has changed a great report from way

58
00:03:15,100 --> 00:03:10,760
back in 2009 then to round off the show

59
00:03:17,320 --> 00:03:15,110
it's skip decamp from last week where

60
00:03:19,390 --> 00:03:17,330
you'll hear my little presentation

61
00:03:22,229 --> 00:03:19,400
called we've heard it all before where

62
00:03:26,320 --> 00:03:22,239
I'm going to be discussing some of the

63
00:03:28,479 --> 00:03:26,330

mmm sayings phrases sound bites

64

00:03:31,060 --> 00:03:28,489

comebacks that I've heard over the years

65

00:03:34,210 --> 00:03:31,070

again and again and again and again from

66

00:03:37,449 --> 00:03:34,220

the new ages the nuages the New Age

67

00:03:39,490 --> 00:03:37,459

people and alternative medicine people

68

00:03:41,590 --> 00:03:39,500

and things like that what have I heard

69

00:03:44,710 --> 00:03:41,600

so many times before I think you'll find

70

00:03:46,270 --> 00:03:44,720

some of this very interesting and it

71

00:03:47,530 --> 00:03:46,280

might help you because if you're out

72

00:03:51,340 --> 00:03:47,540

there doing skeptical stuff you'll

73

00:03:52,569 --> 00:03:51,350

probably hear some of this yourself now

74

00:03:54,850 --> 00:03:52,579

I don't know how you listen to the

75

00:03:56,979 --> 00:03:54,860

skeptic zone you probably like a lot of

76

00:03:59,080 --> 00:03:56,989

people tend to do downloaded by our

77

00:04:02,490 --> 00:03:59,090

iTunes you can listen to it directly on

78

00:04:05,440 --> 00:04:02,500

the web page at skeptic zone TV and now

79

00:04:07,810 --> 00:04:05,450

officially you can hear it on stitcher

80

00:04:10,240 --> 00:04:07,820

so if you're using stitcher give the

81

00:04:13,120 --> 00:04:10,250

skeptics owner search and it should pop

82

00:04:14,380 --> 00:04:13,130

up and away you go and don't forget you

83

00:04:17,920 --> 00:04:14,390

can always leave a review for the

84

00:04:20,590 --> 00:04:17,930

skeptic zone at iTunes and we appreciate

85

00:04:23,350 --> 00:04:20,600

that and of course I do thank the people

86

00:04:26,290 --> 00:04:23,360

who are chip in to help the skeptic zone

87

00:04:28,870 --> 00:04:26,300

keep going and you can chip in by paypal

88

00:04:31,210 --> 00:04:28,880

for as little as a dollar a week and you

89

00:04:35,560 --> 00:04:31,220

can see the details there at skeptic

90

00:04:37,260 --> 00:04:35,570

zone TV to do that and yes it does go a

91

00:04:39,580 --> 00:04:37,270

long way it helps us keep the show going

92

00:04:42,250 --> 00:04:39,590

helps us produce stories and get

93

00:04:44,230 --> 00:04:42,260

equipment pay for the website you know

94

00:04:46,790 --> 00:04:44,240

the sort of thing but now it's time for

95

00:04:49,249 --> 00:04:46,800

me to run downstairs with Fred the gut

96

00:04:52,730 --> 00:04:49,259

give him some lovely or what can he have

97

00:04:54,710 --> 00:04:52,740

this week some beef and gravy what do

98

00:04:57,430 --> 00:04:54,720

you mean this week do you eat every day

99

00:05:00,140 --> 00:04:57,440

Fred I hope so beef and gravy today Fred

100

00:05:02,899 --> 00:05:00,150

he looks suitably impressed and I might

101
00:05:04,730 --> 00:05:02,909
have some French onion soup oh I had

102
00:05:07,850 --> 00:05:04,740
some French onion soup at my favorite

103
00:05:10,610 --> 00:05:07,860
cafe in newtown cafe 204 to check it out

104
00:05:28,250 --> 00:05:10,620
folks while I'm doing that I hope you

105
00:05:38,290 --> 00:05:30,860
what we want is some more evidence

106
00:05:38,300 --> 00:05:43,559
hello this is Joe alabaster

107
00:05:49,589 --> 00:05:46,169
this week news about that continual

108
00:05:51,029 --> 00:05:49,599
thorn in our side homeopathy first up

109
00:05:53,129 --> 00:05:51,039
I'd like to read you a media release

110
00:05:55,019 --> 00:05:53,139
from the Royal Australian College of

111
00:05:56,939 --> 00:05:55,029
General Practitioners which was picked

112
00:06:03,059 --> 00:05:56,949
up as a new story by several media

113
00:06:05,459 --> 00:06:03,069

outlets from RAC GPA you homeopathy

114

00:06:10,709 --> 00:06:05,469

treatment not effective and should not

115

00:06:12,299 --> 00:06:10,719

be prescribed third of jun 2015 GPS

116

00:06:13,980 --> 00:06:12,309

should not prescribe homeopathic

117

00:06:16,260 --> 00:06:13,990

remedies for their patients and

118

00:06:17,879 --> 00:06:16,270

pharmacists should not sell or recommend

119

00:06:19,739 --> 00:06:17,889

the use of homeopathic products

120

00:06:24,109 --> 00:06:19,749

according to the Royal Australian

121

00:06:26,309 --> 00:06:24,119

College of General Practitioners RAC GP

122

00:06:30,119 --> 00:06:26,319

releasing its position statement on

123

00:06:32,609 --> 00:06:30,129

homeopathy RAC GP president dr. frank r

124

00:06:34,920 --> 00:06:32,619

jones said gps practiced in

125

00:06:37,499 --> 00:06:34,930

evidence-based medicine and there was

126

00:06:39,420 --> 00:06:37,509

robust evidence homeopathy had no effect

127

00:06:42,869 --> 00:06:39,430

beyond a placebo as a treatment for

128

00:06:44,669 --> 00:06:42,879

various clinical conditions quote given

129

00:06:46,799 --> 00:06:44,679

this lack of evidence it does not make

130

00:06:49,920 --> 00:06:46,809

sense for homeopathy products to be

131

00:06:52,799 --> 00:06:49,930

prescribed by GPs or sold recommended or

132

00:06:56,489 --> 00:06:52,809

supported by pharmacists and GPs.

133

00:06:58,649 --> 00:06:56,499

Joan said the RAS cgp position statement

134

00:07:00,119 --> 00:06:58,659

maintains that homeopathic alternatives

135

00:07:04,409 --> 00:07:00,129

should not be used in place of

136

00:07:06,719 --> 00:07:04,419

conventional immunisation quote it is

137

00:07:09,359 --> 00:07:06,729

irresponsible to claim that homeopathic

138

00:07:12,420 --> 00:07:09,369

vaccines are a proven alternative to

139

00:07:14,549 --> 00:07:12,430

conventional vaccinations the reality is

140

00:07:17,069 --> 00:07:14,559

that these alternatives do not prevent

141

00:07:19,129 --> 00:07:17,079

diseases or increase protective

142

00:07:21,329 --> 00:07:19,139

antibodies and there is no plausible

143

00:07:24,649 --> 00:07:21,339

biological mechanism by which these

144

00:07:26,579 --> 00:07:24,659

alternatives could prevent infection

145

00:07:28,439 --> 00:07:26,589

individuals and the community are

146

00:07:30,629 --> 00:07:28,449

exposed to preventable diseases when

147

00:07:33,149 --> 00:07:30,639

homeopathic vaccines are used as an

148

00:07:37,049 --> 00:07:33,159

alternative to conventional immunization

149

00:07:39,059 --> 00:07:37,059

and quote dr. Jones said another risk of

150

00:07:42,239 --> 00:07:39,069

homeopathy is that people delay or avoid

151
00:07:44,189 --> 00:07:42,249
seeing a GP exacerbating their condition

152
00:07:47,209 --> 00:07:44,199
through delayed care and reject

153
00:07:49,889 --> 00:07:47,219
conventional medical approaches quote

154
00:07:51,929 --> 00:07:49,899
spurious claims made by homeopathic

155
00:07:53,519 --> 00:07:51,939
practitioners and retailers can mislead

156
00:07:55,799 --> 00:07:53,529
people about the effectiveness of

157
00:07:57,360 --> 00:07:55,809
conventional medicine and this can

158
00:08:01,110 --> 00:07:57,370
result in serious health

159
00:08:03,090 --> 00:08:01,120
quences and quote dr. Jones said the

160
00:08:05,820 --> 00:08:03,100
position statement also outlines that

161
00:08:08,430 --> 00:08:05,830
many private health insurers subsidize

162
00:08:10,200 --> 00:08:08,440
homeopathy through extras cover when

163
00:08:13,860 --> 00:08:10,210

alternative evidence-based treatment

164

00:08:15,570 --> 00:08:13,870

methods are available quote whilst we

165

00:08:17,610 --> 00:08:15,580

appreciate and recognize the right of

166

00:08:20,460 --> 00:08:17,620

patients who may choose or seek

167

00:08:23,219 --> 00:08:20,470

homeopathy unfortunately all taxpayers

168

00:08:24,600 --> 00:08:23,229

are funding homeopathy via the federal

169

00:08:28,350 --> 00:08:24,610

government's private health insurance

170

00:08:31,409 --> 00:08:28,360

rebate and quote dr. Jones said quote

171

00:08:33,920 --> 00:08:31,419

the RAC GP is concerned that health

172

00:08:36,000 --> 00:08:33,930

insurance premiums continue to rise a

173

00:08:38,159 --> 00:08:36,010

significant subsidies are paid up

174

00:08:43,040 --> 00:08:38,169

homeopathy and other natural therapies

175

00:08:46,200 --> 00:08:43,050

in 2013 2014 health insurers paid out

176

00:08:48,480 --> 00:08:46,210

164 million dollars in benefits for

177

00:08:53,930 --> 00:08:48,490

natural therapies an increase of almost

178

00:08:56,310 --> 00:08:53,940

sixty percent from 2010-2011 end quote

179

00:08:59,060 --> 00:08:56,320

earlier this year the National Health

180

00:09:01,500 --> 00:08:59,070

and Medical Research Council NHMRC

181

00:09:03,510 --> 00:09:01,510

analyzed the scientific evidence for the

182

00:09:05,540 --> 00:09:03,520

effectiveness of homeopathy in treating

183

00:09:08,730 --> 00:09:05,550

a range of clinical conditions it

184

00:09:11,010 --> 00:09:08,740

concluded that homeopathy produces no

185

00:09:13,620 --> 00:09:11,020

health benefits over and above that of a

186

00:09:18,390 --> 00:09:13,630

placebo or equivalent to that of another

187

00:09:20,400 --> 00:09:18,400

treatment now while all of this is

188

00:09:21,960 --> 00:09:20,410

really good an excellent public

189

00:09:23,970 --> 00:09:21,970

statement to be making to help the

190

00:09:26,190 --> 00:09:23,980

population become more aware of issues

191

00:09:27,720 --> 00:09:26,200

surrounding homeopathy the fact that it

192

00:09:29,460 --> 00:09:27,730

doesn't work that's something that

193

00:09:31,740 --> 00:09:29,470

doesn't work is being sold in pharmacies

194

00:09:34,019 --> 00:09:31,750

and that's something that doesn't work

195

00:09:35,940 --> 00:09:34,029

is being included in taxpayer subsidized

196

00:09:39,210 --> 00:09:35,950

private health cover and is driving up

197

00:09:41,250 --> 00:09:39,220

premiums I can't help but feel a little

198

00:09:43,320 --> 00:09:41,260

bit stunned the doctors and pharmacists

199

00:09:46,320 --> 00:09:43,330

would ever need to be told not to

200

00:09:48,810 --> 00:09:46,330

recommend homeopathy how anyone who

201
00:09:50,790 --> 00:09:48,820
studied medicine pharmacology in

202
00:09:52,920 --> 00:09:50,800
particular could give a moment's thought

203
00:09:54,540 --> 00:09:52,930
to even allowing patients to select

204
00:09:56,190 --> 00:09:54,550
homeopathic treatment without an

205
00:09:59,340 --> 00:09:56,200
explanation as to its lack of efficacy

206
00:10:03,180 --> 00:09:59,350
and let alone recommend it it's quite

207
00:10:05,970 --> 00:10:03,190
beyond me still the RAC GPS position

208
00:10:09,020 --> 00:10:05,980
statement is like the NHMRC s findings

209
00:10:10,980 --> 00:10:09,030
more weight coming down on homeopathy

210
00:10:13,829 --> 00:10:10,990
homeopathy in pharmacy

211
00:10:15,660 --> 00:10:13,839
is one of my greatest bugbears it's easy

212
00:10:17,880 --> 00:10:15,670
for people to consider its existence

213
00:10:19,550 --> 00:10:17,890

alongside evidence-based treatments to

214

00:10:21,570 --> 00:10:19,560

be an endorsement of its efficacy

215

00:10:24,960 --> 00:10:21,580

particularly given the credibility of

216

00:10:27,600 --> 00:10:24,970

pharmacists one argument as to why

217

00:10:29,220 --> 00:10:27,610

pharmacies stock homeopathy is that

218

00:10:31,470 --> 00:10:29,230

they're being run as a business and that

219

00:10:34,260 --> 00:10:31,480

there's a public demand for homeopathic

220

00:10:36,329 --> 00:10:34,270

products which is frustrating as their

221

00:10:37,920 --> 00:10:36,339

businesses which we rely on for vital

222

00:10:40,350 --> 00:10:37,930

health information and products and

223

00:10:43,340 --> 00:10:40,360

discount glitter nail polish which is an

224

00:10:46,320 --> 00:10:43,350

integral item for my personal well-being

225

00:10:48,660 --> 00:10:46,330

pharmacies are businesses but there are

226

00:10:50,970 --> 00:10:48,670

also an essential service one that most

227

00:10:52,680 --> 00:10:50,980

of us need to use from time to time one

228

00:10:55,190 --> 00:10:52,690

through which we rely on the services of

229

00:10:57,150 --> 00:10:55,200

a university trade professional

230

00:10:59,460 --> 00:10:57,160

accepting the business model though

231

00:11:01,350 --> 00:10:59,470

makes me wonder whether part of the push

232

00:11:03,900 --> 00:11:01,360

for change could come from consumer

233

00:11:05,730 --> 00:11:03,910

demand perhaps one day we could get a

234

00:11:08,280 --> 00:11:05,740

large enough percentage of the public to

235

00:11:09,530 --> 00:11:08,290

say no to homeopathy and if a pharmacy

236

00:11:13,019 --> 00:11:09,540

chain removes it from it's shelves

237

00:11:15,480 --> 00:11:13,029

reward them with our custom this is

238

00:11:17,280 --> 00:11:15,490

highly idealistic I realized in the

239

00:11:19,440 --> 00:11:17,290

meantime we do have groups such as

240

00:11:21,300 --> 00:11:19,450

friends of science in medicine lobbying

241

00:11:23,699 --> 00:11:21,310

for the removal of non evidence based

242

00:11:25,410 --> 00:11:23,709

products from pharmacy shelves and you

243

00:11:27,600 --> 00:11:25,420

can see what they're up to and if you're

244

00:11:30,900 --> 00:11:27,610

so inclined lend them your support by

245

00:11:37,889 --> 00:11:30,910

going to science in medicine dot org dot

246

00:11:39,600 --> 00:11:37,899

au across and up to the UK now we're the

247

00:11:41,819 --> 00:11:39,610

good thinking Society have been

248

00:11:44,490 --> 00:11:41,829

campaigning to have homeopathy struck

249

00:11:46,410 --> 00:11:44,500

off of the NHS that's the National

250

00:11:49,639 --> 00:11:46,420

Health Service akin to Medicare down

251
00:11:52,470 --> 00:11:49,649
here which funds homeopathic hospitals

252
00:11:55,079 --> 00:11:52,480
the campaign has been a great success so

253
00:11:57,389 --> 00:11:55,089
far with extensive media coverage and

254
00:11:59,340 --> 00:11:57,399
clinical commissioning groups their

255
00:12:01,980 --> 00:11:59,350
local area groups which organize the

256
00:12:04,019 --> 00:12:01,990
delivery of NHS services reassessing

257
00:12:05,519 --> 00:12:04,029
their support for homeopathy some

258
00:12:08,400 --> 00:12:05,529
announcing that they'll no longer be

259
00:12:10,560 --> 00:12:08,410
funding such as part of the good

260
00:12:12,990 --> 00:12:10,570
thinking societies efforts to examine

261
00:12:15,840 --> 00:12:13,000
and publicize what's going on with a NHS

262
00:12:18,420 --> 00:12:15,850
funded homeopathy in the UK our eminent

263
00:12:20,250 --> 00:12:18,430

friend Michael Marshall investigated

264

00:12:22,740 --> 00:12:20,260

precisely what's being sold by

265

00:12:23,610 --> 00:12:22,750

homeopathic pharmacies which supply the

266

00:12:26,310 --> 00:12:23,620

NHS

267

00:12:30,660 --> 00:12:26,320

and came across something rather bizarre

268

00:12:33,420 --> 00:12:30,670

an owl remedy freeman's homeopathic

269

00:12:35,220 --> 00:12:33,430

pharmacy in Glasgow lists all sorts of

270

00:12:37,410 --> 00:12:35,230

weird and wonderful remedies on their

271

00:12:41,280 --> 00:12:37,420

website including three different

272

00:12:43,290 --> 00:12:41,290

remedies labeled owl Marsh decided to

273

00:12:46,350 --> 00:12:43,300

find out more about the owl remedy and

274

00:12:48,840 --> 00:12:46,360

called Freeman's what followed was a

275

00:12:51,000 --> 00:12:48,850

slightly surreal conversation in which

276

00:12:53,310 --> 00:12:51,010

the pharmacy assistant informed Marsh

277

00:12:55,500 --> 00:12:53,320

that the remedy was mailed from owl

278

00:12:58,140 --> 00:12:55,510

feathers and was prescribed by

279

00:13:01,050 --> 00:12:58,150

homeopathic doctors and practitioners

280

00:13:03,240 --> 00:13:01,060

not for our allergies but for people who

281

00:13:07,970 --> 00:13:03,250

were taking on the characteristics of

282

00:13:10,380 --> 00:13:07,980

owls such as not sleeping the entire

283

00:13:12,390 --> 00:13:10,390

conversation is available as a YouTube

284

00:13:15,500 --> 00:13:12,400

video I'll put a link in the show notes

285

00:13:18,240 --> 00:13:15,510

as it's well worth a listen and a watch

286

00:13:20,579 --> 00:13:18,250

during the conversation the homeopathic

287

00:13:22,500 --> 00:13:20,589

pharmacy assistant stated that the

288

00:13:25,200 --> 00:13:22,510

homeopathic owl was for doctors and

289

00:13:27,150 --> 00:13:25,210

practitioners to prescribe and not sold

290

00:13:29,100 --> 00:13:27,160

over the counter yet the good thinking

291

00:13:31,410 --> 00:13:29,110

society was able to purchase it online

292

00:13:35,100 --> 00:13:31,420

without a prescription nor a warning

293

00:13:37,470 --> 00:13:35,110

that one is required hmm discoveries

294

00:13:41,220 --> 00:13:37,480

such as this while disturbing innocence

295

00:13:43,650 --> 00:13:41,230

are also incredibly useful the strange

296

00:13:46,890 --> 00:13:43,660

combination of absurdity and bull dust

297

00:13:48,720 --> 00:13:46,900

in the homeopathic owl expose court not

298

00:13:51,240 --> 00:13:48,730

only the attention of skeptics and the

299

00:13:53,460 --> 00:13:51,250

like on social media but also that of

300

00:13:55,530 --> 00:13:53,470

the daily mirror which ran a story on

301
00:13:57,900 --> 00:13:55,540
the good thinking society's work around

302
00:14:00,810 --> 00:13:57,910
homeopathy and the case of the owl

303
00:14:03,930 --> 00:14:00,820
remedy it's a huge well done to the good

304
00:14:06,690 --> 00:14:03,940
thinking society and you know if you

305
00:14:08,400 --> 00:14:06,700
find something similarly bizarre pursue

306
00:14:11,400 --> 00:14:08,410
more information and consider going

307
00:14:13,530 --> 00:14:11,410
public weirdness can be an excellent way

308
00:14:17,190 --> 00:14:13,540
to draw public and media attention to

309
00:14:19,320 --> 00:14:17,200
pseudoscience finally here's a fantastic

310
00:14:22,050 --> 00:14:19,330
tweet which caught my eye from Andy

311
00:14:26,880 --> 00:14:22,060
Lewis whose Twitter handle is lekha

312
00:14:29,340 --> 00:14:26,890
Nardwuar quote the good thinking society

313
00:14:32,160 --> 00:14:29,350

I'll remedy expose is a classic example

314

00:14:35,220 --> 00:14:32,170

of the idea that the biggest threat to

315

00:14:37,500 --> 00:14:35,230

homeopathy is people knowing what it is

316

00:14:40,530 --> 00:14:37,510

end quote

317

00:14:42,540 --> 00:14:40,540

too right you can read more about the

318

00:14:46,770 --> 00:14:42,550

good thinking society's amazing work at

319

00:14:49,440 --> 00:14:46,780

good thinking society org until next

320

00:14:51,030 --> 00:14:49,450

week have a hood of a time a transcript

321

00:14:53,190 --> 00:14:51,040

of this report with links has been

322

00:15:11,380 --> 00:14:53,200

posted at my blog which can be found on

323

00:15:16,340 --> 00:15:14,270

it crash go garberville a skeptic

324

00:15:18,020 --> 00:15:16,350

worcestershire Jocelyn is a skeptic we

325

00:15:20,630 --> 00:15:18,030

service attack elbow by tana channel

326

00:15:22,400 --> 00:15:20,640

Annika meet the skeptics on podcast

327

00:15:24,260 --> 00:15:22,410

target we're missing heritage from tasha

328

00:15:26,210 --> 00:15:24,270

hunter to decide to do manual control to

329

00:15:27,920 --> 00:15:26,220

shuttle ago she touched a critical

330

00:15:30,830 --> 00:15:27,930

gondola rosh hashanah lips Urushi tea

331

00:15:32,540 --> 00:15:30,840

set aside at least 20 and then they can

332

00:15:34,580 --> 00:15:32,550

shake member travelin coca-cola taught

333

00:15:36,830 --> 00:15:34,590

or dvd one skeptic who starts a shark 1

334

00:15:39,620 --> 00:15:36,840

2 which is info @ skeptic wish bone

335

00:15:42,200 --> 00:15:39,630

[h__h] man / Allen film at the Facebook

336

00:15:44,630 --> 00:15:42,210

laudanum cottage amita facebook.com /

337

00:15:49,280 --> 00:15:44,640

skeptical star Shakti mandalas voila

338

00:15:51,620 --> 00:15:49,290

mint wiring Sarita dharamdas van aken hi

339

00:15:53,810 --> 00:15:51,630

this is garba raas co-president of the

340

00:15:55,520 --> 00:15:53,820

hungarian skeptics society and chairman

341

00:15:57,980 --> 00:15:55,530

of the European Council of skeptical

342

00:16:00,140 --> 00:15:57,990

organizations as a listener of the

343

00:16:02,150 --> 00:16:00,150

skeptic zone you probably agree that

344

00:16:04,040 --> 00:16:02,160

educating others about to the science

345

00:16:06,830 --> 00:16:04,050

and critical thinking is an important

346

00:16:08,570 --> 00:16:06,840

task if you are eager to take part in

347

00:16:11,090 --> 00:16:08,580

either of these activities we would be

348

00:16:16,340 --> 00:16:11,100

happy to hear from you don't hesitate to

349

00:16:19,310 --> 00:16:16,350

contact us at www.adr.org info at

350

00:16:21,140 --> 00:16:19,320

skeptical hu they also recommend you

351

00:16:23,870 --> 00:16:21,150

visiting our Facebook page skeptic

352

00:16:32,390 --> 00:16:23,880

gustaria Shack or simply come and join

353

00:16:37,440 --> 00:16:34,830

welcome to a week in science from our

354

00:16:39,510 --> 00:16:37,450

iOS bringing you the science you need to

355

00:16:41,610 --> 00:16:39,520

know well there's no danger of falling

356

00:16:43,080 --> 00:16:41,620

off the edge of the earth but as that

357

00:16:46,260 --> 00:16:43,090

thanks to the roundness of our home

358

00:16:48,630 --> 00:16:46,270

planet well not quite the ground beneath

359

00:16:59,790 --> 00:16:48,640

your feet is actually part of an oblate

360

00:17:01,830 --> 00:16:59,800

spheroid so what's an oblate spheroid

361

00:17:03,960 --> 00:17:01,840

well it's basically a sphere with a

362

00:17:06,660 --> 00:17:03,970

bulge around the middle because the

363

00:17:08,790 --> 00:17:06,670

planet spins rotational forces push mass

364

00:17:11,070 --> 00:17:08,800

outwards at the equator creating this

365

00:17:13,230 --> 00:17:11,080

odd shape in fact if you measure the

366

00:17:15,000 --> 00:17:13,240

earth across the poles you'll find that

367

00:17:17,550 --> 00:17:15,010

it's twelve thousand seven hundred and

368

00:17:18,930 --> 00:17:17,560

thirteen point six kilometres then if

369

00:17:20,910 --> 00:17:18,940

you measure the earth across the equator

370

00:17:23,699 --> 00:17:20,920

you'll get twelve thousand seven hundred

371

00:17:25,290 --> 00:17:23,709

fifty six point two kilometers that's a

372

00:17:28,800 --> 00:17:25,300

difference of forty two point six

373

00:17:31,440 --> 00:17:28,810

kilometers of the Earth's shape by using

374

00:17:33,110 --> 00:17:31,450

GPS sensors satellite laser ranging and

375

00:17:35,340 --> 00:17:33,120

very long baseline interferometry

376

00:17:36,870 --> 00:17:35,350

basically a bunch of different ways of

377

00:17:40,920 --> 00:17:36,880

monitoring the position of ground

378

00:17:42,600 --> 00:17:40,930

stations and of course how can the earth

379

00:17:45,120 --> 00:17:42,610

be round when it's covered in mountains

380

00:17:48,600 --> 00:17:45,130

and valleys the highest point above sea

381

00:17:51,480 --> 00:17:48,610

level Mount Everest reaches 8,848 meters

382

00:17:53,460 --> 00:17:51,490

but Mount Everest is not actually the

383

00:17:56,250 --> 00:17:53,470

point on earth furthest from the center

384

00:18:00,180 --> 00:17:56,260

that honor goes to Mount Chimborazo in

385

00:18:02,190 --> 00:18:00,190

Ecuador while its elevation is only 6268

386

00:18:03,840 --> 00:18:02,200

metres it's more than 2,000 meters

387

00:18:06,120 --> 00:18:03,850

further from the Earth's center than

388

00:18:07,800 --> 00:18:06,130

Everest and there's one last competitor

389

00:18:10,110 --> 00:18:07,810

for biggest mountain the Hawaiian

390

00:18:12,390 --> 00:18:10,120

volcano Mauna Kea which is more than

391

00:18:14,310 --> 00:18:12,400

10,000 meters from base to summit and

392

00:18:16,440 --> 00:18:14,320

here's a fact that might blow your mind

393

00:18:18,300 --> 00:18:16,450

if you Shrank the earth down to the same

394

00:18:20,280 --> 00:18:18,310

size it would be smoother than a

395

00:18:22,160 --> 00:18:20,290

billiard ball that's right billiard

396

00:18:25,140 --> 00:18:22,170

balls can have imperfections of up to

397

00:18:27,720 --> 00:18:25,150

0.22 percent but the earth only reaches

398

00:18:30,060 --> 00:18:27,730

zero point one seven percent and now for

399

00:18:32,289 --> 00:18:30,070

fast facts about this oblate spheroid we

400

00:18:35,690 --> 00:18:32,299

call home

401
00:18:37,610 --> 00:18:35,700
sea level isn't actually level due to

402
00:18:39,350 --> 00:18:37,620
the Earth's uneven gravity field there

403
00:18:41,509 --> 00:18:39,360
are permanent hills and valleys in the

404
00:18:43,879 --> 00:18:41,519
ocean the circumference of the earth is

405
00:18:45,830 --> 00:18:43,889
40,000 and 75 kilometers around the

406
00:18:48,289 --> 00:18:45,840
equator and forty thousand and eight

407
00:18:50,539 --> 00:18:48,299
kilometers around the poles every day

408
00:18:52,159 --> 00:18:50,549
that earth gains between 20 and 40 tons

409
00:18:54,259 --> 00:18:52,169
of mass due to collision with space

410
00:18:56,539 --> 00:18:54,269
debris at this rate it will take about

411
00:18:58,730 --> 00:18:56,549
four hundred fifty trillion years for

412
00:19:00,499 --> 00:18:58,740
the earth to double in size that's it

413
00:19:02,659 --> 00:19:00,509

for this week in science for more

414

00:19:06,889 --> 00:19:02,669

information about Earth go to the rirs

415

00:19:09,169 --> 00:19:06,899

website RI aus org dot a you follow us

416

00:19:11,509 --> 00:19:09,179

on twitter at our iOS and like us on

417

00:19:29,629 --> 00:19:11,519

Facebook I'm Casey Harrigan and we'll

418

00:19:31,970 --> 00:19:29,639

catch you next week hi this is Tim

419

00:19:34,909 --> 00:19:31,980

Farley you probably know me from what's

420

00:19:37,070 --> 00:19:34,919

the harm net a catalog of the real world

421

00:19:40,820 --> 00:19:37,080

harm caused by lack of critical thinking

422

00:19:43,999 --> 00:19:40,830

but that's not my only project i present

423

00:19:46,340 --> 00:19:44,009

at skeptic events I post a daily skeptic

424

00:19:49,100 --> 00:19:46,350

history fact on Twitter and Facebook and

425

00:19:52,220 --> 00:19:49,110

I blog about using new techniques on the

426
00:19:55,580 --> 00:19:52,230
internet to advance skepticism come over

427
00:19:58,820 --> 00:19:55,590
to skip tools com and check out my

428
00:20:08,220 --> 00:19:58,830
latest ideas but first enjoy the rest of

429
00:20:16,140 --> 00:20:12,900
ah what lovely music now as mentioned at

430
00:20:18,600 --> 00:20:16,150
the top of the show once again ilithyia

431
00:20:21,840 --> 00:20:18,610
Dean reported Joella bastyr and I went

432
00:20:25,530 --> 00:20:21,850
to the festival of mind body spirit here

433
00:20:26,789 --> 00:20:25,540
in Sydney or as we always loved the call

434
00:20:30,960 --> 00:20:26,799
it for years and years and years i think

435
00:20:32,490 --> 00:20:30,970
it was famous skeptic Barry Williams

436
00:20:35,400 --> 00:20:32,500
here in Australia who coined that

437
00:20:38,430 --> 00:20:35,410
expression mind-body wallet mind-body

438
00:20:40,760 --> 00:20:38,440

wallet rows and rows and rows and rows

439

00:20:46,289 --> 00:20:40,770

of stalls selling all sorts of things

440

00:20:48,840 --> 00:20:46,299

lots of spiritual advice people waving

441

00:20:53,940 --> 00:20:48,850

their hands people doing some sort of

442

00:20:57,270 --> 00:20:53,950

energetic healing by going shh shh over

443

00:20:59,130 --> 00:20:57,280

people which I can't quite fathom it's

444

00:21:00,600 --> 00:20:59,140

the first time I ever saw ear candling

445

00:21:02,880 --> 00:21:00,610

was at a mind-body wallet about ten

446

00:21:09,090 --> 00:21:02,890

years ago and when I saw it I had to

447

00:21:11,820 --> 00:21:09,100

look twice I thought no no they can't

448

00:21:16,919 --> 00:21:11,830

know they're sticking a candle in

449

00:21:19,860 --> 00:21:16,929

someone's ear what and I've seen many

450

00:21:20,880 --> 00:21:19,870

strange things over the years here are

451
00:21:22,919 --> 00:21:20,890
some of the things that caught my

452
00:21:24,390 --> 00:21:22,929
attention this time round I think some

453
00:21:26,820 --> 00:21:24,400
of these things have been around for a

454
00:21:28,590 --> 00:21:26,830
while this first one certainly has been

455
00:21:31,770 --> 00:21:28,600
around for at least six months because

456
00:21:36,510 --> 00:21:31,780
I'm sure we saw the same thing since six

457
00:21:38,960 --> 00:21:36,520
months ago this is the device which is

458
00:21:43,070 --> 00:21:38,970
basically it's a laptop it's a laptop

459
00:21:46,230 --> 00:21:43,080
it's a it's a program on a laptop and

460
00:21:49,289 --> 00:21:46,240
plugged into the laptop something

461
00:21:51,510 --> 00:21:49,299
resembling headphones and the idea is

462
00:21:58,909 --> 00:21:51,520
you sit down they put the headphones on

463
00:22:01,850 --> 00:21:58,919

your head and in theory this device will

464

00:22:06,360 --> 00:22:01,860

read the vibrations coming through your

465

00:22:09,990 --> 00:22:06,370

skull and translate those vibrations

466

00:22:12,690 --> 00:22:10,000

into electrical signals back into the

467

00:22:16,830 --> 00:22:12,700

computer and the computer will then

468

00:22:18,870 --> 00:22:16,840

display your organs representations of

469

00:22:20,989 --> 00:22:18,880

your organs nice graphics for your heart

470

00:22:24,949 --> 00:22:20,999

kidney liver so on

471

00:22:28,069 --> 00:22:24,959

and show you what's going on give you a

472

00:22:29,659 --> 00:22:28,079

health readout discover the amazing

473

00:22:33,349 --> 00:22:29,669

health benefits of the computerized

474

00:22:35,149 --> 00:22:33,359

nonlinear analysis system nls metatron

475

00:22:38,659 --> 00:22:35,159

for health checks fast effective

476
00:22:40,339 --> 00:22:38,669
painless non-invasive nls health check

477
00:22:45,069 --> 00:22:40,349
for only a hundred fifteen dollars

478
00:22:48,919 --> 00:22:45,079
including one homeopathic remedy come

479
00:22:52,039 --> 00:22:48,929
nls allergy test for 115 including

480
00:22:54,649 --> 00:22:52,049
printed allergies reports so they can

481
00:22:57,469 --> 00:22:54,659
tell you your allergies to 20 minutes

482
00:22:59,589 --> 00:22:57,479
each health check and consultation

483
00:23:02,899 --> 00:22:59,599
supplements are not included and the

484
00:23:05,449 --> 00:23:02,909
back of the brochure says do you want

485
00:23:09,589 --> 00:23:05,459
exceptional health results ? look no

486
00:23:12,189 --> 00:23:09,599
more ! there is a unique opportunity to

487
00:23:14,949 --> 00:23:12,199
have nls metatron health check at the

488
00:23:17,929 --> 00:23:14,959

mind-body-spirit festival and see 3d

489

00:23:20,479 --> 00:23:17,939

computerized images of your body organs

490

00:23:25,429 --> 00:23:20,489

muscles skeletal systems tissue cells

491

00:23:28,639 --> 00:23:25,439

and even chromosomes and DNA in details

492

00:23:31,039 --> 00:23:28,649

as you have never seen before our

493

00:23:36,879 --> 00:23:31,049

experienced practitioner will take you

494

00:23:40,759 --> 00:23:36,889

on an amazing journey into your body um

495

00:23:42,979 --> 00:23:40,769

what are the benefits of n LS point

496

00:23:45,049 --> 00:23:42,989

shows allergies and food sensitivities

497

00:23:48,289 --> 00:23:45,059

point prevention of disease and

498

00:23:50,959 --> 00:23:48,299

monitoring of treatments point status of

499

00:23:57,019 --> 00:23:50,969

each body system organ tissue cells or

500

00:23:59,899 --> 00:23:57,029

chromosomes point reasons for fatigue

501
00:24:02,569 --> 00:23:59,909
and low energy level point need for

502
00:24:06,379 --> 00:24:02,579
antioxidants and supplements point liver

503
00:24:09,979 --> 00:24:06,389
health and digestive system point

504
00:24:12,829 --> 00:24:09,989
musculoskeletal conditions point weight

505
00:24:17,419 --> 00:24:12,839
loss and malnutrition point identifies

506
00:24:19,129 --> 00:24:17,429
all pathogens and zaps them what's what

507
00:24:21,529 --> 00:24:19,139
hang on now this is something I didn't

508
00:24:25,099 --> 00:24:21,539
pick up on before identifies all

509
00:24:28,099 --> 00:24:25,109
pathogens and zaps them zapper and I'm

510
00:24:30,439 --> 00:24:28,109
pretty sure they're illegal that the

511
00:24:33,889 --> 00:24:30,449
flogging needs a pers that's interesting

512
00:24:34,880 --> 00:24:33,899
in conjunction with nls health check we

513
00:24:36,710 --> 00:24:34,890

provide high qual

514

00:24:38,990 --> 00:24:36,720

the service supported with natural

515

00:24:42,370 --> 00:24:39,000

supplements which are exclusive to our

516

00:24:45,230 --> 00:24:42,380

clinic and we guarantee clinical results

517

00:24:47,600 --> 00:24:45,240

this approach enables us to achieve the

518

00:24:51,500 --> 00:24:47,610

highest health results for our patients

519

00:24:53,450 --> 00:24:51,510

see us today at our stand Wow now I'm

520

00:24:55,790 --> 00:24:53,460

going to include a link to the on the

521

00:24:59,420 --> 00:24:55,800

show notes to this outfit who owed

522

00:25:02,570 --> 00:24:59,430

flogging this system which is the

523

00:25:07,730 --> 00:25:02,580

natural medicine that clinic but the

524

00:25:12,200 --> 00:25:07,740

website is wwd H hyphen natural medicine

525

00:25:14,980 --> 00:25:12,210

calm today you now when we were talking

526
00:25:17,540 --> 00:25:14,990
with the people at this stand about this

527
00:25:20,210 --> 00:25:17,550
device and how it works that's the best

528
00:25:24,950 --> 00:25:20,220
question you can ask at these things you

529
00:25:26,840 --> 00:25:24,960
ask oh how does it work and then we

530
00:25:28,070 --> 00:25:26,850
should play bingo actually the number of

531
00:25:30,800 --> 00:25:28,080
times they'll hear the word energy

532
00:25:34,130 --> 00:25:30,810
vibration the words energy vibration and

533
00:25:35,330 --> 00:25:34,140
frequency anyway in conversations with

534
00:25:39,340 --> 00:25:35,340
the people there it soon became apparent

535
00:25:43,310 --> 00:25:39,350
that they were well to be blunt clueless

536
00:25:46,010 --> 00:25:43,320
they had no understanding of of health

537
00:25:47,660 --> 00:25:46,020
really no medical understanding and what

538
00:25:52,400 --> 00:25:47,670

I suspect has happened is that they've

539

00:25:55,490 --> 00:25:52,410

simply bought this system and for a lot

540

00:25:58,970 --> 00:25:55,500

of money and now just flogging the

541

00:26:03,020 --> 00:25:58,980

health what they consider to be the the

542

00:26:06,260 --> 00:26:03,030

diagnostic health machine or program I

543

00:26:09,230 --> 00:26:06,270

think that they're probably quite well

544

00:26:11,780 --> 00:26:09,240

meaning but hopelessly deluded but

545

00:26:13,340 --> 00:26:11,790

here's the thing they have completely

546

00:26:17,600 --> 00:26:13,350

and utterly neglected their due

547

00:26:19,100 --> 00:26:17,610

diligence and duty of care all right so

548

00:26:22,730 --> 00:26:19,110

you go along and you're convinced by

549

00:26:25,160 --> 00:26:22,740

some presentation by someone flogging

550

00:26:27,140 --> 00:26:25,170

this device then it's surely your

551
00:26:28,850 --> 00:26:27,150
responsibility to make doubly sure that

552
00:26:31,030 --> 00:26:28,860
you're not being hoodwinked yourself

553
00:26:34,700 --> 00:26:31,040
before flogging this to other people and

554
00:26:37,270 --> 00:26:34,710
the biggest problem here and the biggest

555
00:26:40,490 --> 00:26:37,280
dangerous people could have this

556
00:26:42,560 --> 00:26:40,500
ridiculous scan done and receive a

557
00:26:46,400 --> 00:26:42,570
so-called health report and think

558
00:26:47,990 --> 00:26:46,410
something's okay when it's not when they

559
00:26:50,740 --> 00:26:48,000
should be seeking

560
00:26:54,790 --> 00:26:50,750
proper medical advice and treatment

561
00:26:59,480 --> 00:26:54,800
another one we found was a hair analysis

562
00:27:02,210 --> 00:26:59,490
system and the brochure says test don't

563
00:27:05,150 --> 00:27:02,220

guess how is the environment affecting

564

00:27:07,400 --> 00:27:05,160

your well-being our 90-day optimized

565

00:27:10,040 --> 00:27:07,410

natural coaching program is included

566

00:27:12,290 --> 00:27:10,050

with a 30-page hair follicle analysis

567

00:27:16,070 --> 00:27:12,300

report in just 15 minutes your report

568

00:27:22,400 --> 00:27:16,080

includes amino acid chart antioxidants

569

00:27:25,010 --> 00:27:22,410

chart efas chart EMF e.l.f chart food

570

00:27:28,490 --> 00:27:25,020

chart food additives chart microbiology

571

00:27:32,090 --> 00:27:28,500

chart murrells chart toxins chart 90-day

572

00:27:35,000 --> 00:27:32,100

coaching program blah blah blah expose

573

00:27:39,350 --> 00:27:35,010

special seventy dollars normally \$89 now

574

00:27:42,770 --> 00:27:39,360

this one and the website is info with

575

00:27:45,380 --> 00:27:42,780

heart calm is a little device about the

576

00:27:46,850 --> 00:27:45,390

size of a an iphone the idea is they

577

00:27:48,950 --> 00:27:46,860

pluck some hairs from the back of your

578

00:27:52,310 --> 00:27:48,960

neck put it on this little scanner so

579

00:27:53,810 --> 00:27:52,320

called scanner and that scans your hair

580

00:27:56,600 --> 00:27:53,820

follicles that information is sent

581

00:28:01,490 --> 00:27:56,610

encrypted to Germany to a supercomputer

582

00:28:04,280 --> 00:28:01,500

Maya and then sent back as a report the

583

00:28:06,050 --> 00:28:04,290

video at info with heart calm explains

584

00:28:08,090 --> 00:28:06,060

it better than I can but again in

585

00:28:10,010 --> 00:28:08,100

conversations with these people they

586

00:28:13,130 --> 00:28:10,020

didn't they they have no understanding

587

00:28:15,320 --> 00:28:13,140

of what they're really flogging and

588

00:28:17,840 --> 00:28:15,330

certainly no idea that the science

589

00:28:23,510 --> 00:28:17,850

behind it is just non-existent things

590

00:28:26,810 --> 00:28:23,520

don't work that way again I sympathize

591

00:28:28,190 --> 00:28:26,820

that they've been solved this a probably

592

00:28:30,320 --> 00:28:28,200

great expense and they've gone to a

593

00:28:32,210 --> 00:28:30,330

course and they've had very convincing

594

00:28:33,320 --> 00:28:32,220

people tell them how it works but in the

595

00:28:36,290 --> 00:28:33,330

end they didn't do their due diligence

596

00:28:38,330 --> 00:28:36,300

and a lot of these people were telling

597

00:28:40,220 --> 00:28:38,340

us when a swirl why isn't this thing

598

00:28:42,980 --> 00:28:40,230

available in hospitals if it's so

599

00:28:45,920 --> 00:28:42,990

amazing you know scan your your body and

600

00:28:48,020 --> 00:28:45,930

you can see your organs the response

601
00:28:50,030 --> 00:28:48,030
then came back to conspiracy theories

602
00:28:52,730 --> 00:28:50,040
well the medical profession here can't

603
00:28:55,100 --> 00:28:52,740
make money out of it or it's big and

604
00:28:56,870 --> 00:28:55,110
Russia it's used in every hospital in

605
00:28:58,550 --> 00:28:56,880
Mexico and things like this it's big in

606
00:28:59,990 --> 00:28:58,560
Europe and Australia is behind the times

607
00:29:02,399 --> 00:29:00,000
and when you get to catch up with far

608
00:29:07,180 --> 00:29:02,409
away from everything all this sort of

609
00:29:10,029 --> 00:29:07,190
just ridiculous assertions and there

610
00:29:12,099 --> 00:29:10,039
were many many more examples of woolly

611
00:29:14,409 --> 00:29:12,109
thinking and deluded people there always

612
00:29:18,999 --> 00:29:14,419
are and this is always the case of these

613
00:29:20,499 --> 00:29:19,009

mind-body wallet expose so we have the

614

00:29:21,849 --> 00:29:20,509

information we're going to see what we

615

00:29:25,769 --> 00:29:21,859

can do about it because some of these

616

00:29:28,359 --> 00:29:25,779

things are dangerous to give people this

617

00:29:30,159 --> 00:29:28,369

ridiculous so-called health reports when

618

00:29:36,549 --> 00:29:30,169

they should be seeking proper advices

619

00:29:39,639 --> 00:29:36,559

simply irresponsible but now let's hear

620

00:29:43,810 --> 00:29:39,649

from a leaf the urge oh and around and

621

00:29:45,430 --> 00:29:43,820

myself just after these encounters and

622

00:29:48,249 --> 00:29:45,440

immediately following that will have the

623

00:29:50,499 --> 00:29:48,259

report from 2009 Bauer good friend Joe

624

00:29:52,419 --> 00:29:50,509

and Ben amoo who also visited a

625

00:29:58,190 --> 00:29:52,429

mind-body wallet way back then and

626
00:30:02,580 --> 00:30:00,960
it's mind body spirit mind body wallet

627
00:30:05,040 --> 00:30:02,590
once again and if I hear the word

628
00:30:07,080 --> 00:30:05,050
vibration again today I'm going to I

629
00:30:08,910 --> 00:30:07,090
don't know what I'm doing great I'll

630
00:30:11,880 --> 00:30:08,920
vibrate Joella best and what did you

631
00:30:13,770 --> 00:30:11,890
think of mind-body wallet today it was

632
00:30:15,480 --> 00:30:13,780
an interesting one this term it always

633
00:30:17,810 --> 00:30:15,490
is interesting it was interesting in a

634
00:30:20,790 --> 00:30:17,820
different way this time around um

635
00:30:22,680 --> 00:30:20,800
richard has negative energy I have

636
00:30:24,660 --> 00:30:22,690
negative energy and a run can attest to

637
00:30:27,270 --> 00:30:24,670
that you definitely have negative energy

638
00:30:29,040 --> 00:30:27,280

and the there's this GP that we talked

639

00:30:30,690 --> 00:30:29,050

to arm which we're definitely going to

640

00:30:32,250 --> 00:30:30,700

look into further because he's he's

641

00:30:36,200 --> 00:30:32,260

practicing all kinds of quackery in his

642

00:30:40,890 --> 00:30:36,210

GP practice yeah who felt that energy so

643

00:30:42,990 --> 00:30:40,900

so badly in his midriff yes you noticed

644

00:30:45,300 --> 00:30:43,000

yes um that he had to ask you to step

645

00:30:46,740 --> 00:30:45,310

away I had to step away from when we

646

00:30:48,420 --> 00:30:46,750

were talking to him wasn't that beside

647

00:30:52,440 --> 00:30:48,430

you were there Alethea I think even know

648

00:30:54,420 --> 00:30:52,450

I wasn't recognized you from TV I don't

649

00:30:56,280 --> 00:30:54,430

that's probably why you got singled out

650

00:30:59,760 --> 00:30:56,290

no no really I'll tell you what he was

651
00:31:01,170 --> 00:30:59,770
Richard had very negative energy which I

652
00:31:03,510 --> 00:31:01,180
think was correctly identified by

653
00:31:07,290 --> 00:31:03,520
Richard himself as the question asking

654
00:31:08,610 --> 00:31:07,300
energy that's right why I you know I've

655
00:31:11,550 --> 00:31:08,620
been coming this for many years as you

656
00:31:14,250 --> 00:31:11,560
know if we do a few more bit of it this

657
00:31:16,140 --> 00:31:14,260
one's quite big I thought this is at

658
00:31:17,400 --> 00:31:16,150
least a third bigger than than the one

659
00:31:20,190 --> 00:31:17,410
we were at last time it's quite

660
00:31:21,810 --> 00:31:20,200
significant yeah yeah yeah and but a lot

661
00:31:25,710 --> 00:31:21,820
of the same old people with it and you

662
00:31:28,050 --> 00:31:25,720
had your clothes rent oh yes I had my

663
00:31:31,230 --> 00:31:28,060

clothing read by the chap who I'm

664

00:31:33,120 --> 00:31:31,240

Greed's wax crayons that he melts with

665

00:31:35,490 --> 00:31:33,130

an iron and he complimented me on my

666

00:31:37,140 --> 00:31:35,500

hair so I jokingly asked him whether he

667

00:31:39,270 --> 00:31:37,150

could read people's hair colors and yes

668

00:31:41,070 --> 00:31:39,280

he could and he did all of my clothes

669

00:31:44,490 --> 00:31:41,080

and I think there was a slightly veiled

670

00:31:46,620 --> 00:31:44,500

insult in their 20 g are you looking

671

00:31:48,270 --> 00:31:46,630

very colorful today with your green hair

672

00:31:50,590 --> 00:31:48,280

and your purple top and your black dress

673

00:31:53,140 --> 00:31:50,600

and all the rest

674

00:31:55,510 --> 00:31:53,150

I think that was quite interesting so

675

00:31:58,390 --> 00:31:55,520

Alethea shall we do it again in six

676

00:32:00,580 --> 00:31:58,400

months I'm not sure I have the energy

677

00:32:03,820 --> 00:32:00,590

positive or negative effort to do that

678

00:32:05,680 --> 00:32:03,830

again well do you think I think you're

679

00:32:07,720 --> 00:32:05,690

asking at the wrong time you should like

680

00:32:10,360 --> 00:32:07,730

give it three months and then ask again

681

00:32:12,039 --> 00:32:10,370

I think I should but don't forget in

682

00:32:13,510 --> 00:32:12,049

there there's all those people selling

683

00:32:16,270 --> 00:32:13,520

you things to improve your energy and

684

00:32:18,250 --> 00:32:16,280

your frequencies in your vibrations well

685

00:32:21,250 --> 00:32:18,260

yeah there was that I think I stand out

686

00:32:23,350 --> 00:32:21,260

one was the 98 alive people who I think

687

00:32:25,570 --> 00:32:23,360

it's a horrible supplement I think

688

00:32:27,549 --> 00:32:25,580

ultimately that's what it was but it's a

689

00:32:30,789 --> 00:32:27,559

Terry extract of some sort it's right

690

00:32:33,190 --> 00:32:30,799

where they'd taken out all the toxic

691

00:32:35,860 --> 00:32:33,200

compounds they left all the magical good

692

00:32:39,970 --> 00:32:35,870

compounds and some new compounds 58 new

693

00:32:42,669 --> 00:32:39,980

comp yes yeah and it fixes everything so

694

00:32:46,720 --> 00:32:42,679

it boosts and normalizes your immune

695

00:32:49,470 --> 00:32:46,730

system it gets rid of bad bacteria while

696

00:32:52,960 --> 00:32:49,480

supporting good bacteria it's an

697

00:32:56,230 --> 00:32:52,970

antiviral and it fixes your cancer too

698

00:32:58,990 --> 00:32:56,240

apparently so oh and you can take it

699

00:33:02,799 --> 00:32:59,000

instead of your um your retrovirus if

700

00:33:04,480 --> 00:33:02,809

you're afflicted with HIV we were

701
00:33:06,490 --> 00:33:04,490
informed of this although it wasn't on

702
00:33:08,320 --> 00:33:06,500
the literature that was printed yeah we

703
00:33:11,740 --> 00:33:08,330
were told E and I asked whether they

704
00:33:13,770 --> 00:33:11,750
would cure my herpes for the record

705
00:33:15,850 --> 00:33:13,780
because this is public I don't have her

706
00:33:18,730 --> 00:33:15,860
but I asked where they would kill my

707
00:33:22,860 --> 00:33:18,740
herpes and and he said well we're not

708
00:33:27,850 --> 00:33:25,600
idea well folks as always it's worth

709
00:33:29,529 --> 00:33:27,860
coming to a spiritual ferrer what we

710
00:33:31,390 --> 00:33:29,539
call mind-body wallet you learn a lot

711
00:33:34,060 --> 00:33:31,400
you learn a lot with all of us we've got

712
00:33:35,710 --> 00:33:34,070
bags and Ferb brochures and literature

713
00:33:38,409 --> 00:33:35,720

to look through and i bought some nice

714

00:33:40,510 --> 00:33:38,419

chips organic chips I like you got an

715

00:33:43,210 --> 00:33:40,520

organic you go organic chips but I got

716

00:33:45,580 --> 00:33:43,220

an organized an organ aight and how

717

00:33:47,860 --> 00:33:45,590

orgonite it seems to be sort of some

718

00:33:50,140 --> 00:33:47,870

metal filaments and apparently some

719

00:33:53,620 --> 00:33:50,150

courts encased in resin and that will

720

00:33:56,409 --> 00:33:53,630

take away negative energy and replace it

721

00:33:57,759 --> 00:33:56,419

with negative ions I'd say from water

722

00:33:59,139 --> 00:33:57,769

they have this thing in the water in

723

00:34:01,899 --> 00:33:59,149

some one of the stands they had these

724

00:34:03,430 --> 00:34:01,909

similar similar looking things inside a

725

00:34:08,159 --> 00:34:03,440

water tank maybe they'll clean and that

726

00:34:11,740 --> 00:34:08,169

actually it cleanse no it's um it's uh

727

00:34:14,740 --> 00:34:11,750

the water is alkaline and it did it does

728

00:34:17,409 --> 00:34:14,750

something to that and it breaks away the

729

00:34:20,220 --> 00:34:17,419

breaks apart the molecules oh that's

730

00:34:24,549 --> 00:34:20,230

frightening yeah what are molecules

731

00:34:26,740 --> 00:34:24,559

amazing okay yes whatever next but you

732

00:34:28,569 --> 00:34:26,750

bought shoes so we've yet we all do it

733

00:34:32,530 --> 00:34:28,579

on and you put good how about shoes in

734

00:34:35,349 --> 00:34:32,540

tea and tea and you bought e 40 and a

735

00:34:36,879 --> 00:34:35,359

ginger drink a ginger drink yes there's

736

00:34:38,980 --> 00:34:36,889

actually quite a lot of stuff in here

737

00:34:40,690 --> 00:34:38,990

which is simply people who know there's

738

00:34:42,760 --> 00:34:40,700

gonna be a lot of people here today and

739

00:34:45,579 --> 00:34:42,770

they just want to sell and as long as it

740

00:34:48,879 --> 00:34:45,589

doesn't contradict the essence of the

741

00:34:50,349 --> 00:34:48,889

this conference tour this convention too

742

00:34:53,230 --> 00:34:50,359

much then I think they're happy to sell

743

00:34:55,419 --> 00:34:53,240

it I feel like there's been a real price

744

00:34:56,889 --> 00:34:55,429

hike since even the last time we were

745

00:34:59,140 --> 00:34:56,899

here there were people selling 10

746

00:35:01,420 --> 00:34:59,150

minutes psychic readings for what 70

747

00:35:03,250 --> 00:35:01,430

books yeah sixty bucks 5-10 minutes

748

00:35:05,410 --> 00:35:03,260

psychic reading 60 bucks I suggested

749

00:35:07,539 --> 00:35:05,420

that maybe we could do that I'll write a

750

00:35:09,789 --> 00:35:07,549

list of facts about myself on a bit on a

751

00:35:11,230 --> 00:35:09,799

note yeah and if they get them right

752

00:35:12,700 --> 00:35:11,240

then I'll pay them to 60 bucks and if

753

00:35:15,490 --> 00:35:12,710

they don't they will pay me 60 bucks for

754

00:35:17,559 --> 00:35:15,500

wasting my time good luck with that but

755

00:35:18,970 --> 00:35:17,569

thanks for all for coming along and well

756

00:35:22,270 --> 00:35:18,980

we'll see what happens in six months

757

00:35:32,920 --> 00:35:22,280

time thanks mrs. believe he is not

758

00:35:35,920 --> 00:35:32,930

looking abreast my name is Joanne been

759

00:35:37,900 --> 00:35:35,930

homo a few weeks ago myself and several

760

00:35:39,579 --> 00:35:37,910

other skeptics went to the festival of

761

00:35:42,819 --> 00:35:39,589

mind body and spirit at the Sydney

762

00:35:44,680 --> 00:35:42,829

exhibition center as a registered nurse

763

00:35:46,450 --> 00:35:44,690

it concerns me that many people are

764

00:35:48,130 --> 00:35:46,460

choosing to dabble in untested health

765

00:35:49,809 --> 00:35:48,140

treatments that have not been held up to

766

00:35:52,690 --> 00:35:49,819

scientific scrutiny and could

767

00:35:54,309 --> 00:35:52,700

potentially cause harm I was keen to see

768

00:35:55,930 --> 00:35:54,319

with the festival offered and whether it

769

00:35:58,299 --> 00:35:55,940

would live up to its reputation within

770

00:36:00,990 --> 00:35:58,309

the skeptical community as an arena for

771

00:36:02,880 --> 00:36:01,000

quackery nonsense and magical potions

772

00:36:05,250 --> 00:36:02,890

perhaps it would turn out to be just a

773

00:36:16,530 --> 00:36:05,260

bit of harmless fun I was not

774

00:36:19,170 --> 00:36:16,540

disappointed in keeping with its name

775

00:36:22,590 --> 00:36:19,180

the festival of mind body and spirit is

776

00:36:24,780 --> 00:36:22,600

nothing if not spirited upon entering

777

00:36:27,240 --> 00:36:24,790

the Sydney Exhibition Centre I was met

778

00:36:29,250 --> 00:36:27,250

by the jingle jangle of bells and air

779

00:36:32,220 --> 00:36:29,260

that sparkled with the stray glitter of

780

00:36:34,140 --> 00:36:32,230

passing fairy wings the hall was

781

00:36:36,540 --> 00:36:34,150

positively abuzz with enthusiastic

782

00:36:38,640 --> 00:36:36,550

stallholders passing out fliers and

783

00:36:40,620 --> 00:36:38,650

punters eagerly filling their

784

00:36:43,440 --> 00:36:40,630

complimentary carry bags with tonics

785

00:36:47,250 --> 00:36:43,450

crystals organic foods and promotional

786

00:36:49,800 --> 00:36:47,260

materials a huge queue had formed around

787

00:36:52,200 --> 00:36:49,810

the aura images stand we're having one's

788

00:36:55,650 --> 00:36:52,210

energy field photographed seemed to be

789

00:36:57,840 --> 00:36:55,660

the activity du jour as I watched the

790

00:37:00,390 --> 00:36:57,850

crowd lap up the rhetoric and jostle for

791

00:37:03,420 --> 00:37:00,400

treatments too vague ailments or more

792

00:37:05,400 --> 00:37:03,430

accurately symptoms of life I began to

793

00:37:08,010 --> 00:37:05,410

wonder what a blight on human progress

794

00:37:11,010 --> 00:37:08,020

it will prove to be to have so many of

795

00:37:12,780 --> 00:37:11,020

us waste our energies on products and

796

00:37:14,610 --> 00:37:12,790

procedures that refuse to be held

797

00:37:18,090 --> 00:37:14,620

accountable to all known laws of

798

00:37:20,970 --> 00:37:18,100

chemistry physics and biology and which

799

00:37:24,630 --> 00:37:20,980

unfortunately have great potential to do

800

00:37:28,050 --> 00:37:24,640

harm my mind returned to the word harm

801
00:37:30,900 --> 00:37:28,060
frequently during the day as Tim Farley

802
00:37:34,710 --> 00:37:30,910
superb website what's the harm net shows

803
00:37:36,710 --> 00:37:34,720
us the harm is very real right now the

804
00:37:39,570 --> 00:37:36,720
world faces many difficult challenges

805
00:37:42,330 --> 00:37:39,580
some realized and some lurking on the

806
00:37:45,270 --> 00:37:42,340
edge of our vision threatening but by no

807
00:37:47,040 --> 00:37:45,280
means guaranteed the return of some of

808
00:37:49,200 --> 00:37:47,050
the most frightening infectious diseases

809
00:37:51,150 --> 00:37:49,210
that we have suffered as well as the

810
00:37:53,820 --> 00:37:51,160
potential for a deadly flu pandemic

811
00:37:56,610 --> 00:37:53,830
creates real challenges for both medical

812
00:37:58,890 --> 00:37:56,620
researchers and clinicians and yet

813
00:38:01,380 --> 00:37:58,900

rather than seeking education through

814

00:38:03,690 --> 00:38:01,390

vetted and verifiable sources or

815

00:38:06,600 --> 00:38:03,700

consulting medical experts with years of

816

00:38:08,390 --> 00:38:06,610

scientific training droves of people are

817

00:38:11,580 --> 00:38:08,400

throwing away their time and money on

818

00:38:14,010 --> 00:38:11,590

unsubstantiated mumbo jumbo that has not

819

00:38:18,060 --> 00:38:14,020

been answerable to rigorous standard

820

00:38:20,340 --> 00:38:18,070

of scientific evidence remaining

821

00:38:23,190 --> 00:38:20,350

unanswerable proved to be a theme of the

822

00:38:24,810 --> 00:38:23,200

day as I came to see despite the

823

00:38:26,820 --> 00:38:24,820

requirements set out by the New South

824

00:38:28,530 --> 00:38:26,830

Wales Department of Health that the code

825

00:38:31,140 --> 00:38:28,540

of conduct for unregistered health

826

00:38:33,660 --> 00:38:31,150

practitioners be displayed in any place

827

00:38:37,650 --> 00:38:33,670

where they practice that document was

828

00:38:40,110 --> 00:38:37,660

noticeably absent from every store at a

829

00:38:41,460 --> 00:38:40,120

large stall offering holistic treatment

830

00:38:45,030 --> 00:38:41,470

for hundreds of conditions including

831

00:38:47,160 --> 00:38:45,040

cancer I witnessed an elderly lady being

832

00:38:48,780 --> 00:38:47,170

filmed by the stall holder as she

833

00:38:50,820 --> 00:38:48,790

hesitantly pulled herself out of her

834

00:38:53,550 --> 00:38:50,830

wheelchair to try the special footwear

835

00:38:55,260 --> 00:38:53,560

that he had fitted her with sitting in a

836

00:38:58,170 --> 00:38:55,270

neat row on top of a table was a

837

00:39:00,360 --> 00:38:58,180

collection of potions she walked a few

838

00:39:02,760 --> 00:39:00,370

steps and I couldn't shake the feeling

839

00:39:06,000 --> 00:39:02,770

that peter Popoff might leap out from

840

00:39:09,720 --> 00:39:06,010

behind the curtain yelling Jesus he had

841

00:39:11,520 --> 00:39:09,730

healed dr. rachel dunlop one of my

842

00:39:13,950 --> 00:39:11,530

partners in investigation for the day

843

00:39:16,230 --> 00:39:13,960

ask the mustachioed man behind the

844

00:39:17,760 --> 00:39:16,240

camera if you would be able to help her

845

00:39:21,600 --> 00:39:17,770

friend who had recently been diagnosed

846

00:39:23,910 --> 00:39:21,610

with cancer he swiftly responded yes and

847

00:39:26,640 --> 00:39:23,920

with great flourish pointed to the row

848

00:39:28,410 --> 00:39:26,650

of bottles assuring us that those exact

849

00:39:31,650 --> 00:39:28,420

bottles were what her friend would need

850

00:39:34,620 --> 00:39:31,660

a consultation and then a liquid diet

851
00:39:36,810 --> 00:39:34,630
would be required altogether incurring a

852
00:39:40,440 --> 00:39:36,820
cost of twelve thousand dollars for one

853
00:39:44,370 --> 00:39:40,450
year the results he declared the cancer

854
00:39:45,660 --> 00:39:44,380
would go away a burgeoning new trend in

855
00:39:48,180 --> 00:39:45,670
the world of complementary and

856
00:39:51,750 --> 00:39:48,190
alternative medicine is the promotion of

857
00:39:53,820 --> 00:39:51,760
so-called alkaline water this centers on

858
00:39:56,520 --> 00:39:53,830
claims that the pH of the body is

859
00:39:58,890 --> 00:39:56,530
becoming increasingly acidic due to

860
00:40:02,310 --> 00:39:58,900
exposure to environmental toxins and

861
00:40:06,210 --> 00:40:02,320
poor lifestyle a large sign in front of

862
00:40:10,740 --> 00:40:06,220
one store invited passes by to ask our

863
00:40:12,360 --> 00:40:10,750

water can cure incurable diseases we

864

00:40:14,220 --> 00:40:12,370

press the stallholders for more

865

00:40:16,800 --> 00:40:14,230

information about how this worked and

866

00:40:19,450 --> 00:40:16,810

whether it could cure our friends cancer

867

00:40:21,940 --> 00:40:19,460

they speedily backpedaled from their

868

00:40:23,520 --> 00:40:21,950

claims offering vague explanations mad

869

00:40:26,470 --> 00:40:23,530

at helping the immune system

870

00:40:30,310 --> 00:40:26,480

neutralizing acid and detoxifying the

871

00:40:33,100 --> 00:40:30,320

body their bizarre logic and aggressive

872

00:40:35,170 --> 00:40:33,110

demeanor led us to quickly retreat but

873

00:40:37,090 --> 00:40:35,180

not before one of them tapped Australian

874

00:40:39,190 --> 00:40:37,100

skeptics Vice President Richard Saunders

875

00:40:42,010 --> 00:40:39,200

on the shoulder and with the great

876

00:40:44,050 --> 00:40:42,020

chuckle proffered that the aspartamay

877

00:40:47,500 --> 00:40:44,060

Aiden gum that Richard was chewing would

878

00:40:50,320 --> 00:40:47,510

soon give him brain cancer several

879

00:40:52,480 --> 00:40:50,330

stalls offered live blood analysis the

880

00:40:54,550 --> 00:40:52,490

pseudoscience claiming to diagnose

881

00:40:57,760 --> 00:40:54,560

illness by analyzing a drop of blood

882

00:40:59,770 --> 00:40:57,770

under a microscope after the diagnosis

883

00:41:02,890 --> 00:40:59,780

punters are encouraged to buy the

884

00:41:05,290 --> 00:41:02,900

supplements on display we asked the

885

00:41:07,810 --> 00:41:05,300

stallholder how it worked whether they

886

00:41:10,690 --> 00:41:07,820

could use it for HIV or other viruses

887

00:41:13,240 --> 00:41:10,700

like swine flu we were told that it

888

00:41:16,060 --> 00:41:13,250

coats the cell creating a barrier so

889

00:41:17,950 --> 00:41:16,070

that nothing can get in when I inquired

890

00:41:21,310 --> 00:41:17,960

about how things that need to get into

891

00:41:23,560 --> 00:41:21,320

the cell like oxygen can do so he looked

892

00:41:27,130 --> 00:41:23,570

at me blankly and told me that the

893

00:41:29,170 --> 00:41:27,140

barrier only lasted for one out at the

894

00:41:31,630 --> 00:41:29,180

end of the day standing at the doors of

895

00:41:35,020 --> 00:41:31,640

the Sydney exhibition center I couldn't

896

00:41:37,090 --> 00:41:35,030

help but wonder with such enthusiasm be

897

00:41:40,120 --> 00:41:37,100

on show for a festival grounded in real

898

00:41:42,670 --> 00:41:40,130

science are we no longer interested in

899

00:41:45,370 --> 00:41:42,680

scientific evidence and only able to

900

00:41:48,460 --> 00:41:45,380

absorb vague ideas based on ethereal

901
00:41:51,880 --> 00:41:48,470
notions of energy auras chakras and

902
00:41:54,580 --> 00:41:51,890
harmony with nature what kind of harm

903
00:41:57,240 --> 00:41:54,590
threatens humanity if we continue to

904
00:42:00,250 --> 00:41:57,250
allow the celebration and indeed the

905
00:42:14,599 --> 00:42:00,260
commercialization of the unfounded cure

906
00:42:20,239 --> 00:42:16,759
so that's a wrap up of the mind body

907
00:42:21,859 --> 00:42:20,249
spirit mind body wallet festival these

908
00:42:23,630 --> 00:42:21,869
are in siming every six months I think

909
00:42:25,609 --> 00:42:23,640
been probably in Melbourne every six

910
00:42:28,430 --> 00:42:25,619
months and other capital cities at least

911
00:42:32,229 --> 00:42:28,440
annually and if you go to one anywhere

912
00:42:34,700 --> 00:42:32,239
around the world ask questions and

913
00:42:36,349 --> 00:42:34,710

you'll soon discover the people there

914

00:42:38,870 --> 00:42:36,359

don't know what they're talking about

915

00:42:41,900 --> 00:42:38,880

they certainly don't know the meaning of

916

00:42:44,239 --> 00:42:41,910

the word energy and they'll use words

917

00:42:46,759 --> 00:42:44,249

like frequency and vibration just mixed

918

00:42:48,349 --> 00:42:46,769

up with everything else now I can't tell

919

00:42:51,009 --> 00:42:48,359

you not to pick arguments if you go to

920

00:42:53,239 --> 00:42:51,019

these things but I found over the years

921

00:42:54,920 --> 00:42:53,249

they don't actually get you anywhere

922

00:42:56,870 --> 00:42:54,930

it's better just to go there and collect

923

00:42:58,099 --> 00:42:56,880

information and maybe maybe we can

924

00:43:18,990 --> 00:42:58,109

actually do something about this

925

00:43:23,860 --> 00:43:21,580

did you see that UFO sighting that made

926

00:43:25,540 --> 00:43:23,870

the news what did that latest study

927

00:43:27,970 --> 00:43:25,550

about alternative treatments really say

928

00:43:30,940 --> 00:43:27,980

is this photo making the rounds real or

929

00:43:32,830 --> 00:43:30,950

hoax duffle news is a unique website

930

00:43:34,960 --> 00:43:32,840

featuring news about pseudoscience the

931

00:43:36,660 --> 00:43:34,970

paranormal anomalies and questionable

932

00:43:39,640 --> 00:43:36,670

claims framed with the skeptical view

933

00:43:41,370 --> 00:43:39,650

come visit doubtful newscom every day

934

00:43:45,100 --> 00:43:41,380

for news about cryptozoology

935

00:43:48,010 --> 00:43:45,110

conspiracies shams scams and more follow

936

00:43:49,570 --> 00:43:48,020

us on twitter at doubtful news critical

937

00:43:51,880 --> 00:43:49,580

thinking is essential in assessing

938

00:44:05,400 --> 00:43:51,890

today's news duffel news helps you

939

00:44:12,880 --> 00:44:08,470

morning everybody holy before I start my

940

00:44:15,580 --> 00:44:12,890

day which I just wrote it is called with

941

00:44:17,830 --> 00:44:15,590

her at all before and I'm sure you put

942

00:44:19,390 --> 00:44:17,840

it on before I'm going to be discussing

943

00:44:22,660 --> 00:44:19,400

some of the things I've heard over the

944

00:44:24,910 --> 00:44:22,670

years in my skeptical activities from

945

00:44:27,250 --> 00:44:24,920

the other side so to speak but before we

946

00:44:32,530 --> 00:44:27,260

start that this is God messenger

947

00:44:34,450 --> 00:44:32,540

reporter for the skipper's own some of

948

00:44:37,420 --> 00:44:34,460

you may know who are all of the skeptics

949

00:44:39,760 --> 00:44:37,430

under what we tried to do before each

950

00:44:42,220 --> 00:44:39,770

episode is a little video teaser so I

951
00:44:44,590 --> 00:44:42,230
thought I'd do a quick video teaser live

952
00:44:45,860 --> 00:44:44,600
from skipping town so we turn around

953
00:44:50,590 --> 00:44:45,870
here

954
00:44:58,100 --> 00:44:50,600
okay mode it's helping boat we do this

955
00:45:00,560 --> 00:44:58,110
and how's that however this is Richard

956
00:45:06,440 --> 00:45:00,570
Saunders with Joe alabasta and we're at

957
00:45:08,240 --> 00:45:06,450
skeptical am in Sydney hello coming up on

958
00:45:10,940 --> 00:45:08,250
this week's show Joe what's coming up

959
00:45:13,900 --> 00:45:10,950
may I will be talking figure at Paranal

960
00:45:16,400 --> 00:45:13,910
adventure I'm going to be talking about

961
00:45:19,090 --> 00:45:16,410
blackmores funding and carrots in

962
00:45:22,280 --> 00:45:19,100
university in integrative medicine

963
00:45:24,800 --> 00:45:22,290

really really really cool and I'll be

964

00:45:26,570 --> 00:45:24,810

conducting interviews at Skippy camp

965

00:45:29,690 --> 00:45:26,580

here in Sydney that's coming up on the

966

00:45:37,160 --> 00:45:29,700

skeptics own podcast episode number 345

967

00:45:39,830 --> 00:45:37,170

for the 31st off mate ray that's it all

968

00:45:47,000 --> 00:45:39,840

right thanks everything thanks for

969

00:45:50,630 --> 00:45:47,010

indulging me now so yes no slides let's

970

00:45:54,290 --> 00:45:50,640

see if that works so what I'd like to

971

00:45:57,200 --> 00:45:54,300

talk about briefly a little bit about me

972

00:45:59,090 --> 00:45:57,210

for those of you who don't know too much

973

00:46:00,950 --> 00:45:59,100

about what I've been up to I'm a

974

00:46:03,740 --> 00:46:00,960

committee member of the Australian

975

00:46:05,060 --> 00:46:03,750

skeptics I've been a past president I'm

976

00:46:07,160 --> 00:46:05,070

also a life member of the Australian

977

00:46:09,260 --> 00:46:07,170

skeptics I am a committee member of the

978

00:46:11,540 --> 00:46:09,270

james randi educational foundations 1

979

00:46:13,940 --> 00:46:11,550

million dollar challenge I'm a fellow

980

00:46:16,340 --> 00:46:13,950

for the Center for skeptical inquiry in

981

00:46:18,290 --> 00:46:16,350

the United States I'm one of the team

982

00:46:23,870 --> 00:46:18,300

who do the mystery investigators schools

983

00:46:26,090 --> 00:46:23,880

show now in its 12th year I think as you

984

00:46:29,420 --> 00:46:26,100

saw I'm the host one of the hosts and

985

00:46:31,970 --> 00:46:29,430

produces the skeptics own podcast and I

986

00:46:36,200 --> 00:46:31,980

did documentary which Maureen's mother

987

00:46:37,400 --> 00:46:36,210

and Maureen herself appeared in a last

988

00:46:39,250 --> 00:46:37,410

year that came out called the

989

00:46:44,030 --> 00:46:39,260

vaccination Chronicles and that's a free

990

00:46:46,790 --> 00:46:44,040

documentary so I've heard a lot of

991

00:46:48,440 --> 00:46:46,800

things over the years in my skeptical

992

00:46:50,180 --> 00:46:48,450

adventures I've spoken to a lot of

993

00:46:52,849 --> 00:46:50,190

people who we might say are the

994

00:46:55,339 --> 00:46:52,859

believers and all sorts of things

995

00:46:57,739 --> 00:46:55,349

some of the things they tell me come up

996

00:46:59,390 --> 00:46:57,749

frequently and I hear them again and

997

00:47:01,940 --> 00:46:59,400

again from different people over the

998

00:47:04,339 --> 00:47:01,950

years over the years and I will into the

999

00:47:07,279 --> 00:47:04,349

future so I thought I'd relate some of

1000

00:47:12,529 --> 00:47:07,289

these to you and you may have some good

1001
00:47:14,450 --> 00:47:12,539
ideas for a quick rebuttal but these are

1002
00:47:16,009 --> 00:47:14,460
the things that if you are involved in

1003
00:47:19,339 --> 00:47:16,019
skepticism these are some of the things

1004
00:47:22,400 --> 00:47:19,349
you are will undoubtedly here the first

1005
00:47:26,690 --> 00:47:22,410
one is and I only heard this again just

1006
00:47:30,370 --> 00:47:26,700
the other day more and more people now

1007
00:47:33,289 --> 00:47:30,380
this is what will be put to you by

1008
00:47:35,779 --> 00:47:33,299
people who believe in there particularly

1009
00:47:38,239 --> 00:47:35,789
if they will say these days more and

1010
00:47:41,299 --> 00:47:38,249
more people will the first time I heard

1011
00:47:45,049 --> 00:47:41,309
this was from creationists dating back

1012
00:47:47,420 --> 00:47:45,059
to the 1970s and the 80s in more and

1013
00:47:51,049 --> 00:47:47,430

more scientists are now turning to

1014

00:47:54,859 --> 00:47:51,059

creationism they it's just a handy thing

1015

00:47:56,870 --> 00:47:54,869

to say it's also used with things like

1016

00:47:58,370 --> 00:47:56,880

homeopathy things in the new age more

1017

00:48:00,650 --> 00:47:58,380

and more people are now realizing

1018

00:48:02,390 --> 00:48:00,660

there's a whole fundamental shift more

1019

00:48:03,769 --> 00:48:02,400

and more people are realizing that we

1020

00:48:07,220 --> 00:48:03,779

can talk to the dead that homeopathy

1021

00:48:12,259 --> 00:48:07,230

works that XYZ an alternative medicine

1022

00:48:15,890 --> 00:48:12,269

is true and I think people say this

1023

00:48:19,009 --> 00:48:15,900

because to their way of thinking this

1024

00:48:21,380 --> 00:48:19,019

must be the case if you've invested your

1025

00:48:24,920 --> 00:48:21,390

efforts and time and emotions and money

1026

00:48:26,839 --> 00:48:24,930

and intellect into something it's quite

1027

00:48:29,059 --> 00:48:26,849

natural to assume that surely the rest

1028

00:48:31,849 --> 00:48:29,069

of the planet will catch on because

1029

00:48:34,670 --> 00:48:31,859

you're right you've done your research

1030

00:48:37,160 --> 00:48:34,680

and you've been convinced so naturally

1031

00:48:38,779 --> 00:48:37,170

more and more people will come around to

1032

00:48:41,569 --> 00:48:38,789

your way of thinking I think a classic

1033

00:48:43,489 --> 00:48:41,579

example would be the francella and

1034

00:48:45,950 --> 00:48:43,499

homeopathy plus we can see how she is

1035

00:48:47,839 --> 00:48:45,960

entrenched in her belief and to her way

1036

00:48:49,400 --> 00:48:47,849

of thinking her friends naturally the

1037

00:48:51,140 --> 00:48:49,410

rest of the world will have to catch up

1038

00:48:54,019 --> 00:48:51,150

and I'll get to this the rest of the

1039

00:48:56,029 --> 00:48:54,029

world catching up soon so that's one you

1040

00:48:58,130 --> 00:48:56,039

will hear more and more people and they

1041

00:49:01,099 --> 00:48:58,140

don't cite real statistics or anything

1042

00:49:01,700 --> 00:49:01,109

but it to them it's just a foregone

1043

00:49:06,250 --> 00:49:01,710

conclusion

1044

00:49:09,140 --> 00:49:06,260

the next one would be a classic is

1045

00:49:12,680 --> 00:49:09,150

labeled again skeptics skeptics are

1046

00:49:15,200 --> 00:49:12,690

closed-minded I've heard this ever since

1047

00:49:18,560 --> 00:49:15,210

I've been in the skeptical world

1048

00:49:21,740 --> 00:49:18,570

skeptics are closed-minded it's a sort

1049

00:49:24,230 --> 00:49:21,750

of a way to end a conversation it's the

1050

00:49:25,579 --> 00:49:24,240

ultimate can't talk to you you're

1051
00:49:26,930 --> 00:49:25,589
closed-minded you're a skeptic you're a

1052
00:49:28,160 --> 00:49:26,940
skeptic therefore you close minded

1053
00:49:32,240 --> 00:49:28,170
you're closed-minded therefore you're

1054
00:49:33,560 --> 00:49:32,250
skeptical but really who's the who's in

1055
00:49:37,910 --> 00:49:33,570
this case who it really is the

1056
00:49:42,829 --> 00:49:37,920
closed-minded when I was doing a TV show

1057
00:49:45,829 --> 00:49:42,839
a number of years ago called the one I

1058
00:49:48,890 --> 00:49:45,839
was cast as as a judge on this TV show

1059
00:49:50,660 --> 00:49:48,900
and they didn't cast my other judge who

1060
00:49:53,450 --> 00:49:50,670
would be the believer skeptic believer

1061
00:49:55,220 --> 00:49:53,460
and so they had me up sitting in a

1062
00:49:57,500 --> 00:49:55,230
little studio and they would bring in

1063
00:49:59,030 --> 00:49:57,510

boob candidate so contestants that's

1064

00:50:01,250 --> 00:49:59,040

what's the word people auditioning for

1065

00:50:03,380 --> 00:50:01,260

the role and we'd have a little chat to

1066

00:50:05,359 --> 00:50:03,390

see if we got along and how we looked on

1067

00:50:07,910 --> 00:50:05,369

camera and I would ask each of them in

1068

00:50:10,609 --> 00:50:07,920

turn and I said I'm a skeptic you're a

1069

00:50:12,230 --> 00:50:10,619

believer I said I would believe in what

1070

00:50:16,300 --> 00:50:12,240

you're proposing if it's talking to the

1071

00:50:20,359 --> 00:50:16,310

dead or whatever it is if there was

1072

00:50:21,890 --> 00:50:20,369

enough good compelling evidence that's

1073

00:50:24,680 --> 00:50:21,900

the skeptical point of view that's a

1074

00:50:26,060 --> 00:50:24,690

scientific outlook I don't know what it

1075

00:50:28,400 --> 00:50:26,070

would be like in reality it's never

1076
00:50:31,640 --> 00:50:28,410
quite happened yet but I said at least I

1077
00:50:33,530 --> 00:50:31,650
that's how I would have to try and go

1078
00:50:36,260 --> 00:50:33,540
down that path and I don't always ask

1079
00:50:42,010 --> 00:50:36,270
them what would convince you that what

1080
00:50:46,579 --> 00:50:42,020
you think is incorrect and basically

1081
00:50:48,680 --> 00:50:46,589
nothing the true believer is its to

1082
00:50:51,710 --> 00:50:48,690
their way of thinking that's that's

1083
00:50:54,109 --> 00:50:51,720
reality so of course nothing can can

1084
00:50:55,579 --> 00:50:54,119
make them change their money it's it's

1085
00:50:58,540 --> 00:50:55,589
an interesting thing so when people say

1086
00:51:00,980 --> 00:50:58,550
to you skeptics you're close-minded

1087
00:51:02,660 --> 00:51:00,990
really it's the other way around it's

1088
00:51:04,490 --> 00:51:02,670

funny it really is the other way around

1089

00:51:07,070 --> 00:51:04,500

but the perception is skeptics have to

1090

00:51:09,589 --> 00:51:07,080

be closed-minded another great one I've

1091

00:51:13,019 --> 00:51:09,599

heard over the years crops up every now

1092

00:51:15,149 --> 00:51:13,029

and then and it's it's a quote the media

1093

00:51:17,789 --> 00:51:15,159

like to get their teeth into for those

1094

00:51:20,249 --> 00:51:17,799

who believe no evidence is necessary for

1095

00:51:22,709 --> 00:51:20,259

those who are skeptical no evidence is

1096

00:51:25,919 --> 00:51:22,719

ever enough it's a great way to just

1097

00:51:28,620 --> 00:51:25,929

dismiss skeptical inquiry or skeptical

1098

00:51:31,049 --> 00:51:28,630

thought and I could sort of relates back

1099

00:51:32,880 --> 00:51:31,059

to my previous point for those who

1100

00:51:35,939 --> 00:51:32,890

believe no evidence is necessary that's

1101

00:51:37,380 --> 00:51:35,949

pretty sad actually it's not a it's not

1102

00:51:40,769 --> 00:51:37,390

a good way to conduct yourself if you

1103

00:51:42,419 --> 00:51:40,779

just I believe in this so you know I'm

1104

00:51:44,489 --> 00:51:42,429

imposing a close-minded attitude here

1105

00:51:46,169 --> 00:51:44,499

and the second part is completely

1106

00:51:47,969 --> 00:51:46,179

incorrect for those who are skeptical no

1107

00:51:52,049 --> 00:51:47,979

evidences not won't know if you're

1108

00:51:54,359 --> 00:51:52,059

skeptical then we hope and you must

1109

00:51:57,449 --> 00:51:54,369

strive to accept the evidence even when

1110

00:52:01,519 --> 00:51:57,459

it's not compatible with way you your

1111

00:52:04,799 --> 00:52:01,529

worldview so that's a great one for

1112

00:52:07,049 --> 00:52:04,809

media psychics and mystics and whatever

1113

00:52:09,839 --> 00:52:07,059

and homeopathy I've heard it too to use

1114

00:52:11,909 --> 00:52:09,849

that little sound bite but it's

1115

00:52:14,519 --> 00:52:11,919

incorrect but it's a sound bite it goes

1116

00:52:17,669 --> 00:52:14,529

out there it's played on the media it

1117

00:52:21,839 --> 00:52:17,679

sounds good it sounds good another one

1118

00:52:24,959 --> 00:52:21,849

that's been a accusation of sorts sort

1119

00:52:27,390 --> 00:52:24,969

of an insult that's been put against me

1120

00:52:30,989 --> 00:52:27,400

are beyond this same Shanti on the

1121

00:52:38,159 --> 00:52:30,999

national TV are you skeptics useful the

1122

00:52:40,380 --> 00:52:38,169

world was flat what hang on a second you

1123

00:52:42,719 --> 00:52:40,390

mean me and my friends and the skeptical

1124

00:52:45,390 --> 00:52:42,729

community think or thought the world was

1125

00:52:47,219 --> 00:52:45,400

flat no that can't be right so we go

1126
00:52:52,140 --> 00:52:47,229
back through history and of course on

1127
00:52:57,179 --> 00:52:52,150
the spot you can't do this ok so people

1128
00:52:58,979 --> 00:52:57,189
since the many evil times I suppose in

1129
00:53:02,939 --> 00:52:58,989
the early civilizations knew the world

1130
00:53:07,829 --> 00:53:02,949
was round the thing is the only people

1131
00:53:10,620 --> 00:53:07,839
I've heard of in recent times who think

1132
00:53:12,210 --> 00:53:10,630
the world is flat or indeed that the Sun

1133
00:53:16,170 --> 00:53:12,220
revolves around

1134
00:53:18,210 --> 00:53:16,180
the earth are believers this this thing

1135
00:53:20,520 --> 00:53:18,220
is turned completely on its head the own

1136
00:53:22,880 --> 00:53:20,530
there are people who what is it called G

1137
00:53:25,260 --> 00:53:22,890
geocentrism is that the right job young

1138
00:53:29,400 --> 00:53:25,270

and there are certain religious sects

1139

00:53:32,310 --> 00:53:29,410

who believe that the Sun revolves around

1140

00:53:34,050 --> 00:53:32,320

the earth so this is a bizarre one

1141

00:53:38,700 --> 00:53:34,060

that's a great instant put down

1142

00:53:42,290 --> 00:53:38,710

especially our media and so and I guess

1143

00:53:44,520 --> 00:53:42,300

the thinking is way back in antiquity

1144

00:53:45,990 --> 00:53:44,530

people like me would sit there and say

1145

00:53:49,290 --> 00:53:46,000

of course the world is flat don't be

1146

00:53:51,030 --> 00:53:49,300

silly and these brave other people would

1147

00:53:52,470 --> 00:53:51,040

try to disprove the skeptics it's

1148

00:53:55,080 --> 00:53:52,480

completely the other way around if

1149

00:53:56,700 --> 00:53:55,090

anything people could have been

1150

00:53:59,310 --> 00:53:56,710

skeptical of the world was flat and

1151
00:54:01,250 --> 00:53:59,320
discovered it was wrong so that that's

1152
00:54:06,060 --> 00:54:01,260
an interesting one that comes up Oh

1153
00:54:08,700 --> 00:54:06,070
another great one and this is this is an

1154
00:54:12,089 --> 00:54:08,710
interesting psychological one again this

1155
00:54:15,810 --> 00:54:12,099
was put to me on on this TV show oh you

1156
00:54:18,680 --> 00:54:15,820
scientists or was that effect science

1157
00:54:21,150 --> 00:54:18,690
doesn't know everything you know

1158
00:54:23,250 --> 00:54:21,160
implying that what they've the

1159
00:54:26,160 --> 00:54:23,260
proposition they've just put or what

1160
00:54:30,150 --> 00:54:26,170
we've just observed some psychic is

1161
00:54:32,070 --> 00:54:30,160
correct so isn't that interesting ah you

1162
00:54:35,480 --> 00:54:32,080
know you're nothing this but science

1163
00:54:41,070 --> 00:54:39,960

of course otherwise no yes that's that

1164

00:54:42,750 --> 00:54:41,080

of course it doesn't know everything

1165

00:54:44,550 --> 00:54:42,760

otherwise it would stop but it's a great

1166

00:54:46,680 --> 00:54:44,560

it's also a complete ignorance of the

1167

00:54:48,810 --> 00:54:46,690

scientific method by these people but

1168

00:54:50,130 --> 00:54:48,820

what they're saying in it is that I'm

1169

00:54:51,990 --> 00:54:50,140

right because science doesn't know

1170

00:54:55,080 --> 00:54:52,000

everything there for one day you'll see

1171

00:54:56,370 --> 00:54:55,090

this what XYZ belief sister won't be

1172

00:54:59,070 --> 00:54:56,380

shown to be right because science

1173

00:55:01,620 --> 00:54:59,080

doesn't know everything you've wrought

1174

00:55:02,730 --> 00:55:01,630

and skipped it get out of here there's a

1175

00:55:08,610 --> 00:55:02,740

bit of anger in that too i think

1176

00:55:11,580 --> 00:55:08,620

sometimes or another one is if I'm

1177

00:55:13,530 --> 00:55:11,590

putting a point the rebuttal from a

1178

00:55:18,360 --> 00:55:13,540

believer could be our you're a skeptic

1179

00:55:20,040 --> 00:55:18,370

of course you'd say that well of course

1180

00:55:22,620 --> 00:55:20,050

I were just right and well I hope it's

1181

00:55:25,590 --> 00:55:22,630

you again it's it's this missing what I

1182

00:55:27,450 --> 00:55:25,600

say they simply by saying aye but you

1183

00:55:29,490 --> 00:55:27,460

have to say that you're a skeptic you're

1184

00:55:32,420 --> 00:55:29,500

close-minded so I'm not going to what

1185

00:55:34,830 --> 00:55:32,430

you're saying is not very important ah

1186

00:55:37,110 --> 00:55:34,840

thank you for jumping in their modes

1187

00:55:40,140 --> 00:55:37,120

it's good to because I sometimes I still

1188

00:55:42,240 --> 00:55:40,150

struggle with with the instant reply to

1189

00:55:44,340 --> 00:55:42,250

these and in many cases there is no

1190

00:55:45,750 --> 00:55:44,350

instant reply that is satisfying and you

1191

00:55:48,330 --> 00:55:45,760

can get across because sometimes you

1192

00:55:50,790 --> 00:55:48,340

have to spend time explaining especially

1193

00:55:52,770 --> 00:55:50,800

this one skeptics a closed minded then

1194

00:55:56,070 --> 00:55:52,780

takes a minute or two to you know talk

1195

00:55:57,870 --> 00:55:56,080

around that one oh one of my favorites

1196

00:56:01,050 --> 00:55:57,880

of all time with my favorites of all

1197

00:56:02,450 --> 00:56:01,060

time so I might be discussing a point of

1198

00:56:05,220 --> 00:56:02,460

view from the skeptical point of view

1199

00:56:08,490 --> 00:56:05,230

homeopathy for example oh it's works on

1200

00:56:12,660 --> 00:56:08,500

energy what do you mean reiki what is it

1201
00:56:16,800 --> 00:56:12,670
is it energy ah you skeptics you can't

1202
00:56:20,150 --> 00:56:16,810
measure love you know and you will hear

1203
00:56:22,530 --> 00:56:20,160
this you can't measure love therefore

1204
00:56:24,630 --> 00:56:22,540
what I'm saying is true because you

1205
00:56:26,370 --> 00:56:24,640
can't measure that either about someone

1206
00:56:28,170 --> 00:56:26,380
how do you measure raking energies and

1207
00:56:30,510 --> 00:56:28,180
hit the thermal is it sound I mean what

1208
00:56:33,480 --> 00:56:30,520
is it its energy well how do you measure

1209
00:56:37,260 --> 00:56:33,490
it what what device you can't measure

1210
00:56:40,020 --> 00:56:37,270
love either therefore Reiki is true can

1211
00:56:42,360 --> 00:56:40,030
you see how their mind works yes

1212
00:56:47,580 --> 00:56:42,370
they come back for that yeah love

1213
00:56:49,140 --> 00:56:47,590

without evidence is stalking love

1214

00:56:52,560 --> 00:56:49,150

without evidence is stalking to

1215

00:56:54,840 --> 00:56:52,570

invention I like that yeah so far and

1216

00:56:56,820 --> 00:56:54,850

I've only got a couple more to go so I

1217

00:57:01,880 --> 00:56:56,830

know we're running a bit late but that's

1218

00:57:05,490 --> 00:57:01,890

fine so far a lot of these things that

1219

00:57:06,840 --> 00:57:05,500

they will put to you maybe it's this

1220

00:57:10,020 --> 00:57:06,850

they're thinking they're not trying to

1221

00:57:13,080 --> 00:57:10,030

be funny or smart or come up with

1222

00:57:15,210 --> 00:57:13,090

something that will confuse me or

1223

00:57:17,430 --> 00:57:15,220

whatever the case may be this is

1224

00:57:20,490 --> 00:57:17,440

actually to them all these make perfect

1225

00:57:22,530 --> 00:57:20,500

sense these put-downs these replies and

1226

00:57:26,460 --> 00:57:22,540

everything and as I said before a lot of

1227

00:57:29,070 --> 00:57:26,470

times it's very hard to have a

1228

00:57:31,620 --> 00:57:29,080

satisfactory come back you just haven't

1229

00:57:35,700 --> 00:57:31,630

got the time and their point especially

1230

00:57:37,560 --> 00:57:35,710

this one the long-winded one for those

1231

00:57:39,300 --> 00:57:37,570

who believe no evidence is necessary for

1232

00:57:41,370 --> 00:57:39,310

those who are skipping no evidence is

1233

00:57:43,790 --> 00:57:41,380

enough it takes a few minutes to unpick

1234

00:57:46,260 --> 00:57:43,800

that and turn it on its head by then it

1235

00:57:50,090 --> 00:57:46,270

doesn't matter especially if it's sound

1236

00:57:53,100 --> 00:57:50,100

bite for the medium another one which i

1237

00:57:56,040 --> 00:57:53,110

think i might have even heard French

1238

00:57:58,560 --> 00:57:56,050

Sheffield use I'm not sure definitely

1239

00:58:02,250 --> 00:57:58,570

i've heard home homeopathy homeopathy

1240

00:58:06,630 --> 00:58:02,260

sonia pass use this one science has yet

1241

00:58:09,630 --> 00:58:06,640

to catch up with us isn't that

1242

00:58:12,180 --> 00:58:09,640

fascinating sciences yet to to catch up

1243

00:58:15,390 --> 00:58:12,190

with us especially in homeopathy I think

1244

00:58:18,540 --> 00:58:15,400

we know it works we've seen it work now

1245

00:58:21,390 --> 00:58:18,550

from their point of view absolutely it

1246

00:58:25,410 --> 00:58:21,400

works if you're a homeopath or a Reiki

1247

00:58:27,210 --> 00:58:25,420

practitioner or this sort of thing and I

1248

00:58:29,580 --> 00:58:27,220

give this talk also in relation to

1249

00:58:34,500 --> 00:58:29,590

psychic readings the people who come

1250

00:58:36,120 --> 00:58:34,510

through your door r9 I don't know ninety

1251
00:58:38,280 --> 00:58:36,130
percent ninety-five percent sold on the

1252
00:58:39,840 --> 00:58:38,290
idea before they even step foot in the

1253
00:58:41,730 --> 00:58:39,850
door they they're going there because

1254
00:58:45,050 --> 00:58:41,740
that's the service they want they in

1255
00:58:49,740 --> 00:58:45,060
their mind it works so the practitioner

1256
00:58:51,300 --> 00:58:49,750
let's think about homeopathy we'll sit

1257
00:58:52,680 --> 00:58:51,310
them down have a chat with them right

1258
00:58:54,150 --> 00:58:52,690
out things then

1259
00:58:57,390 --> 00:58:54,160
salmon them somehow look at them

1260
00:58:59,490 --> 00:58:57,400
recommend the remedies they go away when

1261
00:59:02,760 --> 00:58:59,500
the patient comes back they're usually

1262
00:59:04,589 --> 00:59:02,770
feeling better or happier or their

1263
00:59:07,170 --> 00:59:04,599

situation has improved they credit Lee

1264

00:59:09,240 --> 00:59:07,180

homeopathy but homeopath will take this

1265

00:59:12,240 --> 00:59:09,250

on board as validation of what they're

1266

00:59:13,559 --> 00:59:12,250

doing is true this happens again and

1267

00:59:16,020 --> 00:59:13,569

again and again of course they're

1268

00:59:17,460 --> 00:59:16,030

convinced that works I'd be almost

1269

00:59:19,050 --> 00:59:17,470

convinced that works or something like

1270

00:59:22,559 --> 00:59:19,060

that I mean people listen to my podcast

1271

00:59:27,210 --> 00:59:22,569

maybe there are trying to convince me or

1272

00:59:32,819 --> 00:59:27,220

something it's no wonder it's no wonder

1273

00:59:36,150 --> 00:59:32,829

and when they see that the mainstream

1274

00:59:39,240 --> 00:59:36,160

science is doubting this on and now it's

1275

00:59:42,300 --> 00:59:39,250

really really against homeopathy broadly

1276

00:59:44,190 --> 00:59:42,310

speaking how they happen they

1277

00:59:47,010 --> 00:59:44,200

rationalize this well of course it works

1278

00:59:49,559 --> 00:59:47,020

science will catch up one day science

1279

00:59:51,930 --> 00:59:49,569

will validate all these things it has to

1280

00:59:56,599 --> 00:59:51,940

because they know it works but that's an

1281

01:00:01,170 --> 00:59:56,609

interesting mindset another sort of one

1282

01:00:03,599 --> 01:00:01,180

that I've had is people but we can use

1283

01:00:05,130 --> 01:00:03,609

homeopathy agin us I could say look we

1284

01:00:08,030 --> 01:00:05,140

just there's no way that we know can

1285

01:00:09,690 --> 01:00:08,040

possibly work under the current

1286

01:00:12,270 --> 01:00:09,700

understanding of the current laws of

1287

01:00:14,280 --> 01:00:12,280

physics ah current understanding of the

1288

01:00:16,109 --> 01:00:14,290

laws of physics well when we understand

1289

01:00:20,220 --> 01:00:16,119

physics more you'll see how it works and

1290

01:00:21,930 --> 01:00:20,230

I get things like well to our ancestors

1291

01:00:25,790 --> 01:00:21,940

200 years ago television would have

1292

01:00:28,890 --> 01:00:25,800

looked like magic too but it's a false

1293

01:00:31,349 --> 01:00:28,900

analogy I think technical television

1294

01:00:33,059 --> 01:00:31,359

isn't magic its science we know how it

1295

01:00:35,040 --> 01:00:33,069

works I yes but then in two hundred

1296

01:00:37,500 --> 01:00:35,050

years or in 50 years science will

1297

01:00:42,300 --> 01:00:37,510

discover that it's the same thing with

1298

01:00:43,559 --> 01:00:42,310

homeopathy so I'll run a wrap up quickly

1299

01:00:47,890 --> 01:00:43,569

I don't know how much time I've got left

1300

01:00:50,930 --> 01:00:47,900

a few minutes your apartment support

1301

01:00:52,790 --> 01:00:50,940

that's that's fun if you have a quick

1302

01:01:04,760 --> 01:00:52,800

question now great otherwise we can have

1303

01:01:08,270 --> 01:01:04,770

a chat outside yes sufficiently advanced

1304

01:01:09,410 --> 01:01:08,280

technology absolutely radius arthur c

1305

01:01:14,420 --> 01:01:09,420

clarke said that yeah that's probably

1306

01:01:16,640 --> 01:01:14,430

where it's would come from yeah yeah

1307

01:01:18,290 --> 01:01:16,650

absolutely i think so welcome terry

1308

01:01:20,990 --> 01:01:18,300

pratchett said that a sufficiently

1309

01:01:23,780 --> 01:01:21,000

advanced magic is indistinguishable it

1310

01:01:25,430 --> 01:01:23,790

seems yeah so I'm sort of thinking I

1311

01:01:27,830 --> 01:01:25,440

think well thank you very much folks are

1312

01:01:30,920 --> 01:01:27,840

the skeptics own podcasters can be found

1313

01:01:33,650 --> 01:01:30,930

at skeptic zone TV my twitter is at

1314

01:01:49,120 --> 01:01:33,660

skeptic zone and i'll be happy to chat

1315

01:01:56,450 --> 01:01:52,700

Australian skeptics Sydney dinner autism

1316

01:01:59,510 --> 01:01:56,460

myth and reality there are a few medical

1317

01:02:04,250 --> 01:01:59,520

conditions as widely misrepresented as

1318

01:02:07,880 --> 01:02:04,260

autism spectrum disorder asd conspiracy

1319

01:02:10,640 --> 01:02:07,890

theories myths and amateur diagnosis

1320

01:02:13,250 --> 01:02:10,650

abound confusing those who seek to know

1321

01:02:16,099 --> 01:02:13,260

the reality and the latest science based

1322

01:02:17,890 --> 01:02:16,109

thinking on this condition the next

1323

01:02:20,810 --> 01:02:17,900

Sydney skeptics dinner will be on the

1324

01:02:23,270 --> 01:02:20,820

twentieth of June and will feature

1325

01:02:26,690 --> 01:02:23,280

Nicole Rogerson the founding director

1326
01:02:29,330 --> 01:02:26,700
and CEO of autism awareness Australia a

1327
01:02:32,270 --> 01:02:29,340
national not-for-profit organization

1328
01:02:34,430 --> 01:02:32,280
which she set up in 2007 Nicole is a

1329
01:02:37,640 --> 01:02:34,440
frequent speaker on autism in the media

1330
01:02:39,470 --> 01:02:37,650
and in 2011 she was asked to present the

1331
01:02:42,080 --> 01:02:39,480
work created for autism awareness

1332
01:02:44,540 --> 01:02:42,090
Australia at the UN where the

1333
01:02:46,970 --> 01:02:44,550
organization was inducted as a member

1334
01:02:49,430 --> 01:02:46,980
NGO Nicole said on the federal

1335
01:02:52,130 --> 01:02:49,440
government's autism advisory board and

1336
01:02:54,070 --> 01:02:52,140
continues to work for better access and

1337
01:02:56,720 --> 01:02:54,080
government support for evidence-based

1338
01:02:59,570 --> 01:02:56,730

intensive early intervention programs

1339

01:03:00,960 --> 01:02:59,580

for children with autism no one will

1340

01:03:04,530 --> 01:03:00,970

give you a better understand

1341

01:03:05,820 --> 01:03:04,540

of the myths and reality of autism the

1342

01:03:08,250 --> 01:03:05,830

dinner will be held at the ride

1343

01:03:10,349 --> 01:03:08,260

Eastwood's leagues club west ryde

1344

01:03:14,839 --> 01:03:10,359

tickets are only fifty dollars including

1345

01:03:17,910 --> 01:03:14,849

a buffet dinner bookings now via ww

1346

01:03:19,410 --> 01:03:17,920

skeptics come you the Australian

1347

01:03:21,900 --> 01:03:19,420

skeptics dinners in Sydney have been

1348

01:03:23,460 --> 01:03:21,910

going for many years now and I encourage

1349

01:03:25,859 --> 01:03:23,470

your skeptic zone listeners in the

1350

01:03:28,260 --> 01:03:25,869

sydney area to book your ticket quick

1351

01:03:48,760 --> 01:03:28,270

come along and enjoy this very

1352

01:03:53,720 --> 01:03:51,200

thank you for listening to the skeptic

1353

01:03:56,270 --> 01:03:53,730

zone this week and I don't forget you

1354

01:04:00,560 --> 01:03:56,280

can now officially here is if you use

1355

01:04:02,420 --> 01:04:00,570

the stitcher application and thanks to

1356

01:04:05,210 --> 01:04:02,430

Joe alabaster for her report this week

1357

01:04:08,630 --> 01:04:05,220

thank you Joe I do appreciate that when

1358

01:04:10,040 --> 01:04:08,640

my reporters send me such good work and

1359

01:04:11,300 --> 01:04:10,050

the fact they always and we could work

1360

01:04:13,520 --> 01:04:11,310

what am I talking about of course they

1361

01:04:16,360 --> 01:04:13,530

do don't forget if you're coming to the

1362

01:04:19,070 --> 01:04:16,370

amazing meeting in Las Vegas next month

1363

01:04:20,330 --> 01:04:19,080

please come by and say hello I'd love to

1364

01:04:22,730 --> 01:04:20,340

have a chat with you love to catch up

1365

01:04:25,550 --> 01:04:22,740

with skeptics own fans from all around

1366

01:04:28,420 --> 01:04:25,560

the world always a good time and it'll

1367

01:04:30,710 --> 01:04:28,430

be a good time to to properly

1368

01:04:33,100 --> 01:04:30,720

acknowledged the life and the work of

1369

01:04:36,350 --> 01:04:33,110

James Randi i am looking forward to that

1370

01:04:37,970 --> 01:04:36,360

now before i go if you have a skeptical

1371

01:04:40,220 --> 01:04:37,980

event anywhere around the world or a

1372

01:04:42,590 --> 01:04:40,230

skeptical group and you'd like more

1373

01:04:44,780 --> 01:04:42,600

people to hear about it drop me a line

1374

01:04:47,300 --> 01:04:44,790

let's go to skeptics and TV go to the

1375

01:04:50,750 --> 01:04:47,310

contacts page and you can drop me a line

1376

01:04:52,760 --> 01:04:50,760

there tell me about it and if it's

1377

01:04:56,330 --> 01:04:52,770

something I think is worthwhile then we

1378

01:04:58,250 --> 01:04:56,340

can organize for a short 30 second ad to

1379

01:05:01,250 --> 01:04:58,260

be played on the skeptic zone and I do

1380

01:05:03,530 --> 01:05:01,260

that for free I do that as part of the

1381

01:05:06,380 --> 01:05:03,540

fluff Sofia the skeptics own to help

1382

01:05:07,910 --> 01:05:06,390

promote what we do around the world and

1383

01:05:10,970 --> 01:05:07,920

as you know by listening to the zone i

1384

01:05:13,130 --> 01:05:10,980

always play promotions for people from

1385

01:05:15,350 --> 01:05:13,140

all all corners of the world all six

1386

01:05:17,060 --> 01:05:15,360

corners figure that one out but from

1387

01:05:18,550 --> 01:05:17,070

this corner of the world from Sydney

1388

01:05:25,610 --> 01:05:18,560

Australia this is Richard Saunders

1389

01:05:28,130 --> 01:05:25,620

signing off you've been listening to the

1390

01:05:32,000 --> 01:05:28,140

skeptics own podcast visit our website

1391

01:05:35,270 --> 01:05:32,010

at wwc a petting zoo TV for contacts and

1392

01:05:38,420 --> 01:05:35,280

archive of all episodes since 2008 and

1393

01:05:40,460 --> 01:05:38,430

our online store please support the

1394

01:05:43,820 --> 01:05:40,470

skeptic zone by following us on twitter

1395

01:05:47,360 --> 01:05:43,830

at skeptic zone liking us on facebook

1396

01:05:48,860 --> 01:05:47,370

and leaving a review on iTunes you can

1397

01:05:52,670 --> 01:05:48,870

also show your support by subscribing

1398

01:05:53,390 --> 01:05:52,680

via paypal for as little as 99 cents a

1399

01:05:55,730 --> 01:05:53,400

week

1400

01:05:57,350 --> 01:05:55,740

the skeptic zone is an independent

1401

01:05:59,810 --> 01:05:57,360

production the views and opinions

1402

01:06:01,400 --> 01:05:59,820

expressed on the skeptic zone and not

1403

01:06:04,280 --> 01:06:01,410

necessarily those of Australian