

1
00:00:05,969 --> 00:00:13,699
welcome to the skeptic zone the podcast

2
00:00:09,089 --> 00:00:13,699
from Australia for science and reason

3
00:00:22,750 --> 00:00:31,269
hello and welcome to the skeptics are an

4
00:00:25,609 --> 00:00:34,429
episode number 346 for the 7th of jun

5
00:00:31,269 --> 00:00:37,549
2015 Richard Saunders here with you from

6
00:00:34,429 --> 00:00:40,878
Sydney Australia and what lovely weather

7
00:00:37,549 --> 00:00:44,959
it is in Sydney Australia lovely wintery

8
00:00:40,878 --> 00:00:47,808
crisp days and cool evenings not a bad

9
00:00:44,960 --> 00:00:49,759
place to be at all coming up on this

10
00:00:47,808 --> 00:00:51,229
week's episode of the skeptic zone we're

11
00:00:49,759 --> 00:00:54,229
going to kick off with evidence please

12
00:00:51,229 --> 00:00:57,049
with Joe alabasta some news this week

13
00:00:54,229 --> 00:00:59,238
concerning the old chestnut of

14
00:00:57,049 --> 00:01:02,738
homeopathy I wonder if you can get

15
00:00:59,238 --> 00:01:04,939
homeopathic chestnuts you probably can

16
00:01:02,738 --> 00:01:07,069
Joe is going to be discussing some

17
00:01:04,939 --> 00:01:09,500
latest developments there including

18
00:01:07,069 --> 00:01:12,079
praise where praise is due to our good

19
00:01:09,500 --> 00:01:15,170
friends at the good thinking Society in

20
00:01:12,079 --> 00:01:17,118
the UK congratulations to you people who

21
00:01:15,170 --> 00:01:20,680
have been doing some undercover over the

22
00:01:17,118 --> 00:01:26,030
cover over the counter investigations

23
00:01:20,680 --> 00:01:29,509
homeopathic owls well just just when you

24
00:01:26,030 --> 00:01:32,840
think homeopathy can't get any more

25
00:01:29,509 --> 00:01:35,478
Looney stay tuned for evidence please

26
00:01:32,840 --> 00:01:36,740
with Joe alabaster following that it's a

27
00:01:35,478 --> 00:01:40,969
week in science from the Royal

28
00:01:36,739 --> 00:01:43,879
Institution of Australia www r-ia us dot

29

00:01:40,969 --> 00:01:47,509
org on a you the URL I tell you about

30
00:01:43,879 --> 00:01:49,129
frequently worth a visit and indeed the

31
00:01:47,509 --> 00:01:51,170
actual institution itself in the

32
00:01:49,129 --> 00:01:52,848
beautiful city of Adelaide is always

33
00:01:51,170 --> 00:01:54,649
worth a visit hello to my good friend

34
00:01:52,849 --> 00:01:57,618
dr. Paul Willis who is the director

35
00:01:54,649 --> 00:02:00,530
there and then after that it's a report

36
00:01:57,618 --> 00:02:03,049
from mind body spirit mind body wallet

37
00:02:00,530 --> 00:02:06,409
as we call it Joe alabaster Alethea

38
00:02:03,049 --> 00:02:09,079
deener answer given myself were at mind

39
00:02:06,409 --> 00:02:11,090
body spirit just the other week and I'm

40
00:02:09,080 --> 00:02:14,180
going to be telling you about some of

41
00:02:11,090 --> 00:02:15,650
them fact I got them right here you know

42
00:02:14,180 --> 00:02:17,450
what's this some of the brochures and

43
00:02:15,650 --> 00:02:20,930

things and conversations we had at

44

00:02:17,449 --> 00:02:23,119

mind-body wallet idea discover amazing

45

00:02:20,930 --> 00:02:27,189

health benefits of the computerized

46

00:02:23,120 --> 00:02:30,770

nonlinear analysis system and LS

47

00:02:27,189 --> 00:02:33,139

Metatron for health check fast effective

48

00:02:30,770 --> 00:02:38,300

painless non-invasive

49

00:02:33,139 --> 00:02:40,669

yeah whately hear about this one folks

50

00:02:38,300 --> 00:02:44,689

and the other goodies from mind-body

51

00:02:40,669 --> 00:02:47,509

wallet then quick report from the four

52

00:02:44,689 --> 00:02:50,329

of us just after the event and then I'm

53

00:02:47,509 --> 00:02:54,169

going to replay report by our dear

54

00:02:50,330 --> 00:02:56,860

friend Joe and Ben amoo from 2009 from

55

00:02:54,169 --> 00:02:59,869

the skeptic zone with her thoughts on

56

00:02:56,860 --> 00:03:02,720

mind-body wallet mind body spirit and

57

00:02:59,870 --> 00:03:07,520

after all these years it's sad that not

58
00:03:02,719 --> 00:03:10,759
much has changed a great report from way

59
00:03:07,520 --> 00:03:15,110
back in 2009 then to round off the show

60
00:03:10,759 --> 00:03:17,329
it's skip decamp from last week where

61
00:03:15,110 --> 00:03:19,400
you'll hear my little presentation

62
00:03:17,330 --> 00:03:22,239
called we've heard it all before where

63
00:03:19,400 --> 00:03:26,330
I'm going to be discussing some of the

64
00:03:22,239 --> 00:03:28,489
mmm sayings phrases sound bites

65
00:03:26,330 --> 00:03:31,070
comebacks that I've heard over the years

66
00:03:28,489 --> 00:03:34,219
again and again and again and again from

67
00:03:31,069 --> 00:03:37,459
the new ages the nuages the New Age

68
00:03:34,219 --> 00:03:39,500
people and alternative medicine people

69
00:03:37,459 --> 00:03:41,599
and things like that what have I heard

70
00:03:39,500 --> 00:03:44,719
so many times before I think you'll find

71
00:03:41,599 --> 00:03:46,280
some of this very interesting and it

72
00:03:44,719 --> 00:03:47,539
might help you because if you're out

73
00:03:46,280 --> 00:03:51,349
there doing skeptical stuff you'll

74
00:03:47,539 --> 00:03:52,578
probably hear some of this yourself now

75
00:03:51,349 --> 00:03:54,859
I don't know how you listen to the

76
00:03:52,579 --> 00:03:56,989
skeptic zone you probably like a lot of

77
00:03:54,860 --> 00:03:59,090
people tend to do downloaded by our

78
00:03:56,989 --> 00:04:02,500
iTunes you can listen to it directly on

79
00:03:59,090 --> 00:04:05,450
the web page at skeptic zone TV and now

80
00:04:02,500 --> 00:04:07,819
officially you can hear it on stitcher

81
00:04:05,449 --> 00:04:10,250
so if you're using stitcher give the

82
00:04:07,819 --> 00:04:13,129
skeptics owner search and it should pop

83
00:04:10,250 --> 00:04:14,389
up and away you go and don't forget you

84
00:04:13,129 --> 00:04:17,930
can always leave a review for the

85
00:04:14,389 --> 00:04:20,599
skeptic zone at iTunes and we appreciate

86

00:04:17,930 --> 00:04:23,360
that and of course I do thank the people

87
00:04:20,600 --> 00:04:26,300
who are chip in to help the skeptic zone

88
00:04:23,360 --> 00:04:28,879
keep going and you can chip in by paypal

89
00:04:26,300 --> 00:04:31,220
for as little as a dollar a week and you

90
00:04:28,879 --> 00:04:35,569
can see the details there at skeptic

91
00:04:31,220 --> 00:04:37,270
zone TV to do that and yes it does go a

92
00:04:35,569 --> 00:04:39,589
long way it helps us keep the show going

93
00:04:37,269 --> 00:04:42,259
helps us produce stories and get

94
00:04:39,589 --> 00:04:44,239
equipment pay for the website you know

95
00:04:42,259 --> 00:04:46,800
the sort of thing but now it's time for

96
00:04:44,240 --> 00:04:49,259
me to run downstairs with Fred the gut

97
00:04:46,800 --> 00:04:52,740
give him some lovely or what can he have

98
00:04:49,259 --> 00:04:54,720
this week some beef and gravy what do

99
00:04:52,740 --> 00:04:57,439
you mean this week do you eat every day

100
00:04:54,720 --> 00:05:00,150

Fred I hope so beef and gravy today Fred

101

00:04:57,439 --> 00:05:02,908

he looks suitably impressed and I might

102

00:05:00,149 --> 00:05:04,739

have some French onion soup oh I had

103

00:05:02,908 --> 00:05:07,860

some French onion soup at my favorite

104

00:05:04,740 --> 00:05:10,620

cafe in newtown cafe 204 to check it out

105

00:05:07,860 --> 00:05:14,090

folks while I'm doing that I hope you

106

00:05:10,620 --> 00:05:14,090

enjoy the skeptic sir

107

00:05:28,259 --> 00:05:36,589

what we want is some more evidence

108

00:05:30,870 --> 00:05:36,590

please is Joe alabaster

109

00:05:38,300 --> 00:05:42,520

hello this is Joe alabaster

110

00:05:43,569 --> 00:05:49,598

this week news about that continual

111

00:05:46,178 --> 00:05:51,038

thorn in our side homeopathy first up

112

00:05:49,598 --> 00:05:53,139

I'd like to read you a media release

113

00:05:51,038 --> 00:05:55,028

from the Royal Australian College of

114

00:05:53,139 --> 00:05:56,949

General Practitioners which was picked

115
00:05:55,028 --> 00:06:03,069
up as a new story by several media

116
00:05:56,949 --> 00:06:05,468
outlets from RAC GPA you homeopathy

117
00:06:03,069 --> 00:06:10,718
treatment not effective and should not

118
00:06:05,468 --> 00:06:12,308
be prescribed third of jun 2015 GPS

119
00:06:10,718 --> 00:06:13,990
should not prescribe homeopathic

120
00:06:12,309 --> 00:06:16,270
remedies for their patients and

121
00:06:13,990 --> 00:06:17,889
pharmacists should not sell or recommend

122
00:06:16,269 --> 00:06:19,748
the use of homeopathic products

123
00:06:17,889 --> 00:06:24,119
according to the Royal Australian

124
00:06:19,749 --> 00:06:26,319
College of General Practitioners RAC GP

125
00:06:24,119 --> 00:06:30,129
releasing its position statement on

126
00:06:26,319 --> 00:06:32,619
homeopathy RAC GP president dr. frank r

127
00:06:30,129 --> 00:06:34,930
jones said gps practiced in

128
00:06:32,619 --> 00:06:37,509
evidence-based medicine and there was

129
00:06:34,930 --> 00:06:39,430
robust evidence homeopathy had no effect

130
00:06:37,509 --> 00:06:42,879
beyond a placebo as a treatment for

131
00:06:39,430 --> 00:06:44,679
various clinical conditions quote given

132
00:06:42,879 --> 00:06:46,809
this lack of evidence it does not make

133
00:06:44,678 --> 00:06:49,929
sense for homeopathy products to be

134
00:06:46,809 --> 00:06:52,809
prescribed by GPs or sold recommended or

135
00:06:49,930 --> 00:06:56,499
supported by pharmacists and GPs.

136
00:06:52,809 --> 00:06:58,659
Joan said the RAS cgp position statement

137
00:06:56,499 --> 00:07:00,129
maintains that homeopathic alternatives

138
00:06:58,658 --> 00:07:04,418
should not be used in place of

139
00:07:00,129 --> 00:07:06,729
conventional immunisation quote it is

140
00:07:04,418 --> 00:07:09,368
irresponsible to claim that homeopathic

141
00:07:06,728 --> 00:07:12,430
vaccines are a proven alternative to

142
00:07:09,369 --> 00:07:14,559
conventional vaccinations the reality is

143

00:07:12,430 --> 00:07:17,079
that these alternatives do not prevent

144
00:07:14,559 --> 00:07:19,139
diseases or increase protective

145
00:07:17,079 --> 00:07:21,338
antibodies and there is no plausible

146
00:07:19,139 --> 00:07:24,658
biological mechanism by which these

147
00:07:21,338 --> 00:07:26,588
alternatives could prevent infection

148
00:07:24,658 --> 00:07:28,449
individuals and the community are

149
00:07:26,588 --> 00:07:30,639
exposed to preventable diseases when

150
00:07:28,449 --> 00:07:33,158
homeopathic vaccines are used as an

151
00:07:30,639 --> 00:07:37,059
alternative to conventional immunization

152
00:07:33,158 --> 00:07:39,069
and quote dr. Jones said another risk of

153
00:07:37,059 --> 00:07:42,249
homeopathy is that people delay or avoid

154
00:07:39,069 --> 00:07:44,199
seeing a GP exacerbating their condition

155
00:07:42,249 --> 00:07:47,219
through delayed care and reject

156
00:07:44,199 --> 00:07:49,899
conventional medical approaches quote

157
00:07:47,218 --> 00:07:51,939

spurious claims made by homeopathic

158

00:07:49,899 --> 00:07:53,528

practitioners and retailers can mislead

159

00:07:51,939 --> 00:07:55,809

people about the effectiveness of

160

00:07:53,528 --> 00:07:57,370

conventional medicine and this can

161

00:07:55,809 --> 00:08:01,120

result in serious health

162

00:07:57,370 --> 00:08:03,100

quences and quote dr. Jones said the

163

00:08:01,120 --> 00:08:05,829

position statement also outlines that

164

00:08:03,100 --> 00:08:08,439

many private health insurers subsidize

165

00:08:05,829 --> 00:08:10,209

homeopathy through extras cover when

166

00:08:08,439 --> 00:08:13,870

alternative evidence-based treatment

167

00:08:10,209 --> 00:08:15,579

methods are available quote whilst we

168

00:08:13,870 --> 00:08:17,620

appreciate and recognize the right of

169

00:08:15,579 --> 00:08:20,469

patients who may choose or seek

170

00:08:17,620 --> 00:08:23,228

homeopathy unfortunately all taxpayers

171

00:08:20,470 --> 00:08:24,610

are funding homeopathy via the federal

172
00:08:23,228 --> 00:08:28,360
government's private health insurance

173
00:08:24,610 --> 00:08:31,419
rebate and quote dr. Jones said quote

174
00:08:28,360 --> 00:08:33,930
the RAC GP is concerned that health

175
00:08:31,418 --> 00:08:36,009
insurance premiums continue to rise a

176
00:08:33,929 --> 00:08:38,168
significant subsidies are paid up

177
00:08:36,009 --> 00:08:43,049
homeopathy and other natural therapies

178
00:08:38,168 --> 00:08:46,210
in 2013 2014 health insurers paid out

179
00:08:43,049 --> 00:08:48,490
164 million dollars in benefits for

180
00:08:46,210 --> 00:08:53,940
natural therapies an increase of almost

181
00:08:48,490 --> 00:08:56,320
sixty percent from 2010-2011 end quote

182
00:08:53,940 --> 00:08:59,070
earlier this year the National Health

183
00:08:56,320 --> 00:09:01,510
and Medical Research Council NHMRC

184
00:08:59,070 --> 00:09:03,520
analyzed the scientific evidence for the

185
00:09:01,509 --> 00:09:05,549
effectiveness of homeopathy in treating

186
00:09:03,519 --> 00:09:08,740
a range of clinical conditions it

187
00:09:05,549 --> 00:09:11,019
concluded that homeopathy produces no

188
00:09:08,740 --> 00:09:13,629
health benefits over and above that of a

189
00:09:11,019 --> 00:09:18,399
placebo or equivalent to that of another

190
00:09:13,629 --> 00:09:20,409
treatment now while all of this is

191
00:09:18,399 --> 00:09:21,970
really good an excellent public

192
00:09:20,409 --> 00:09:23,980
statement to be making to help the

193
00:09:21,970 --> 00:09:26,200
population become more aware of issues

194
00:09:23,980 --> 00:09:27,730
surrounding homeopathy the fact that it

195
00:09:26,200 --> 00:09:29,470
doesn't work that's something that

196
00:09:27,730 --> 00:09:31,750
doesn't work is being sold in pharmacies

197
00:09:29,470 --> 00:09:34,028
and that's something that doesn't work

198
00:09:31,750 --> 00:09:35,950
is being included in taxpayer subsidized

199
00:09:34,028 --> 00:09:39,220
private health cover and is driving up

200

00:09:35,950 --> 00:09:41,259
premiums I can't help but feel a little

201
00:09:39,220 --> 00:09:43,330
bit stunned the doctors and pharmacists

202
00:09:41,259 --> 00:09:46,330
would ever need to be told not to

203
00:09:43,330 --> 00:09:48,820
recommend homeopathy how anyone who

204
00:09:46,330 --> 00:09:50,800
studied medicine pharmacology in

205
00:09:48,820 --> 00:09:52,930
particular could give a moment's thought

206
00:09:50,799 --> 00:09:54,549
to even allowing patients to select

207
00:09:52,929 --> 00:09:56,199
homeopathic treatment without an

208
00:09:54,549 --> 00:09:59,349
explanation as to its lack of efficacy

209
00:09:56,200 --> 00:10:03,190
and let alone recommend it it's quite

210
00:09:59,350 --> 00:10:05,980
beyond me still the RAC GPS position

211
00:10:03,190 --> 00:10:09,030
statement is like the NHMRC s findings

212
00:10:05,980 --> 00:10:10,990
more weight coming down on homeopathy

213
00:10:09,029 --> 00:10:13,838
homeopathy in pharmacy

214
00:10:10,990 --> 00:10:15,669

is one of my greatest bugbears it's easy

215

00:10:13,839 --> 00:10:17,890

for people to consider its existence

216

00:10:15,669 --> 00:10:19,559

alongside evidence-based treatments to

217

00:10:17,889 --> 00:10:21,580

be an endorsement of its efficacy

218

00:10:19,559 --> 00:10:24,969

particularly given the credibility of

219

00:10:21,580 --> 00:10:27,610

pharmacists one argument as to why

220

00:10:24,970 --> 00:10:29,230

pharmacies stock homeopathy is that

221

00:10:27,610 --> 00:10:31,480

they're being run as a business and that

222

00:10:29,230 --> 00:10:34,269

there's a public demand for homeopathic

223

00:10:31,480 --> 00:10:36,339

products which is frustrating as their

224

00:10:34,269 --> 00:10:37,929

businesses which we rely on for vital

225

00:10:36,339 --> 00:10:40,360

health information and products and

226

00:10:37,929 --> 00:10:43,349

discount glitter nail polish which is an

227

00:10:40,360 --> 00:10:46,330

integral item for my personal well-being

228

00:10:43,350 --> 00:10:48,670

pharmacies are businesses but there are

229
00:10:46,330 --> 00:10:50,980
also an essential service one that most

230
00:10:48,669 --> 00:10:52,689
of us need to use from time to time one

231
00:10:50,980 --> 00:10:55,200
through which we rely on the services of

232
00:10:52,690 --> 00:10:57,160
a university trade professional

233
00:10:55,200 --> 00:10:59,470
accepting the business model though

234
00:10:57,159 --> 00:11:01,360
makes me wonder whether part of the push

235
00:10:59,470 --> 00:11:03,910
for change could come from consumer

236
00:11:01,360 --> 00:11:05,740
demand perhaps one day we could get a

237
00:11:03,909 --> 00:11:08,289
large enough percentage of the public to

238
00:11:05,740 --> 00:11:09,539
say no to homeopathy and if a pharmacy

239
00:11:08,289 --> 00:11:13,028
chain removes it from it's shelves

240
00:11:09,539 --> 00:11:15,490
reward them with our custom this is

241
00:11:13,028 --> 00:11:17,289
highly idealistic I realized in the

242
00:11:15,490 --> 00:11:19,450
meantime we do have groups such as

243
00:11:17,289 --> 00:11:21,309
friends of science in medicine lobbying

244
00:11:19,450 --> 00:11:23,709
for the removal of non evidence based

245
00:11:21,309 --> 00:11:25,419
products from pharmacy shelves and you

246
00:11:23,708 --> 00:11:27,609
can see what they're up to and if you're

247
00:11:25,419 --> 00:11:30,909
so inclined lend them your support by

248
00:11:27,610 --> 00:11:37,899
going to science in medicine dot org dot

249
00:11:30,909 --> 00:11:39,610
au across and up to the UK now we're the

250
00:11:37,899 --> 00:11:41,828
good thinking Society have been

251
00:11:39,610 --> 00:11:44,500
campaigning to have homeopathy struck

252
00:11:41,828 --> 00:11:46,419
off of the NHS that's the National

253
00:11:44,500 --> 00:11:49,649
Health Service akin to Medicare down

254
00:11:46,419 --> 00:11:52,479
here which funds homeopathic hospitals

255
00:11:49,649 --> 00:11:55,089
the campaign has been a great success so

256
00:11:52,480 --> 00:11:57,399
far with extensive media coverage and

257

00:11:55,089 --> 00:11:59,350
clinical commissioning groups their

258
00:11:57,399 --> 00:12:01,990
local area groups which organize the

259
00:11:59,350 --> 00:12:04,028
delivery of NHS services reassessing

260
00:12:01,990 --> 00:12:05,528
their support for homeopathy some

261
00:12:04,028 --> 00:12:08,409
announcing that they'll no longer be

262
00:12:05,528 --> 00:12:10,570
funding such as part of the good

263
00:12:08,409 --> 00:12:13,000
thinking societies efforts to examine

264
00:12:10,570 --> 00:12:15,850
and publicize what's going on with a NHS

265
00:12:13,000 --> 00:12:18,429
funded homeopathy in the UK our eminent

266
00:12:15,850 --> 00:12:20,259
friend Michael Marshall investigated

267
00:12:18,429 --> 00:12:22,750
precisely what's being sold by

268
00:12:20,259 --> 00:12:23,620
homeopathic pharmacies which supply the

269
00:12:22,750 --> 00:12:26,320
NHS

270
00:12:23,620 --> 00:12:30,669
and came across something rather bizarre

271
00:12:26,320 --> 00:12:33,430

an owl remedy freeman's homeopathic

272

00:12:30,669 --> 00:12:35,229

pharmacy in Glasgow lists all sorts of

273

00:12:33,429 --> 00:12:37,419

weird and wonderful remedies on their

274

00:12:35,230 --> 00:12:41,289

website including three different

275

00:12:37,419 --> 00:12:43,299

remedies labeled owl Marsh decided to

276

00:12:41,289 --> 00:12:46,360

find out more about the owl remedy and

277

00:12:43,299 --> 00:12:48,849

called Freeman's what followed was a

278

00:12:46,360 --> 00:12:51,009

slightly surreal conversation in which

279

00:12:48,850 --> 00:12:53,320

the pharmacy assistant informed Marsh

280

00:12:51,009 --> 00:12:55,509

that the remedy was mailed from owl

281

00:12:53,320 --> 00:12:58,150

feathers and was prescribed by

282

00:12:55,509 --> 00:13:01,059

homeopathic doctors and practitioners

283

00:12:58,149 --> 00:13:03,250

not for our allergies but for people who

284

00:13:01,059 --> 00:13:07,979

were taking on the characteristics of

285

00:13:03,250 --> 00:13:10,389

owls such as not sleeping the entire

286
00:13:07,980 --> 00:13:12,399
conversation is available as a YouTube

287
00:13:10,389 --> 00:13:15,509
video I'll put a link in the show notes

288
00:13:12,399 --> 00:13:18,250
as it's well worth a listen and a watch

289
00:13:15,509 --> 00:13:20,588
during the conversation the homeopathic

290
00:13:18,250 --> 00:13:22,509
pharmacy assistant stated that the

291
00:13:20,589 --> 00:13:25,210
homeopathic owl was for doctors and

292
00:13:22,509 --> 00:13:27,159
practitioners to prescribe and not sold

293
00:13:25,210 --> 00:13:29,110
over the counter yet the good thinking

294
00:13:27,159 --> 00:13:31,419
society was able to purchase it online

295
00:13:29,110 --> 00:13:35,110
without a prescription nor a warning

296
00:13:31,419 --> 00:13:37,479
that one is required hmm discoveries

297
00:13:35,110 --> 00:13:41,230
such as this while disturbing innocence

298
00:13:37,480 --> 00:13:43,659
are also incredibly useful the strange

299
00:13:41,230 --> 00:13:46,899
combination of absurdity and bull dust

300
00:13:43,659 --> 00:13:48,730
in the homeopathic owl expose court not

301
00:13:46,899 --> 00:13:51,250
only the attention of skeptics and the

302
00:13:48,730 --> 00:13:53,470
like on social media but also that of

303
00:13:51,250 --> 00:13:55,539
the daily mirror which ran a story on

304
00:13:53,470 --> 00:13:57,910
the good thinking society's work around

305
00:13:55,539 --> 00:14:00,819
homeopathy and the case of the owl

306
00:13:57,909 --> 00:14:03,939
remedy it's a huge well done to the good

307
00:14:00,820 --> 00:14:06,700
thinking society and you know if you

308
00:14:03,940 --> 00:14:08,410
find something similarly bizarre pursue

309
00:14:06,700 --> 00:14:11,410
more information and consider going

310
00:14:08,409 --> 00:14:13,539
public weirdness can be an excellent way

311
00:14:11,409 --> 00:14:17,199
to draw public and media attention to

312
00:14:13,539 --> 00:14:19,329
pseudoscience finally here's a fantastic

313
00:14:17,200 --> 00:14:22,060
tweet which caught my eye from Andy

314

00:14:19,330 --> 00:14:26,889
Lewis whose Twitter handle is lekha

315
00:14:22,059 --> 00:14:29,349
Nardwuar quote the good thinking society

316
00:14:26,889 --> 00:14:32,169
I'll remedy expose is a classic example

317
00:14:29,350 --> 00:14:35,230
of the idea that the biggest threat to

318
00:14:32,169 --> 00:14:37,509
homeopathy is people knowing what it is

319
00:14:35,230 --> 00:14:40,539
end quote

320
00:14:37,509 --> 00:14:42,549
too right you can read more about the

321
00:14:40,539 --> 00:14:46,779
good thinking society's amazing work at

322
00:14:42,549 --> 00:14:49,449
good thinking society org until next

323
00:14:46,779 --> 00:14:51,039
week have a hood of a time a transcript

324
00:14:49,450 --> 00:14:53,200
of this report with links has been

325
00:14:51,039 --> 00:14:57,059
posted at my blog which can be found on

326
00:14:53,200 --> 00:14:57,060
evidence please net

327
00:15:11,389 --> 00:15:16,350
it crash go garberville a skeptic

328
00:15:14,279 --> 00:15:18,029

worcestershire Jocelyn is a skeptic we

329

00:15:16,350 --> 00:15:20,639

service attack elbow by tana channel

330

00:15:18,029 --> 00:15:22,409

Annika meet the skeptics on podcast

331

00:15:20,639 --> 00:15:24,269

target we're missing heritage from tasha

332

00:15:22,409 --> 00:15:26,219

hunter to decide to do manual control to

333

00:15:24,269 --> 00:15:27,929

shuttle ago she touched a critical

334

00:15:26,220 --> 00:15:30,840

gondola rosh hashanah lips Urushi tea

335

00:15:27,929 --> 00:15:32,549

set aside at least 20 and then they can

336

00:15:30,840 --> 00:15:34,590

shake member travelin coca-cola taught

337

00:15:32,549 --> 00:15:36,839

or dvd one skeptic who starts a shark 1

338

00:15:34,590 --> 00:15:39,629

2 which is info @ skeptic wish bone

339

00:15:36,840 --> 00:15:42,210

man / Allen film at the Facebook

340

00:15:39,629 --> 00:15:44,639

laudanum cottage amita facebook.com /

341

00:15:42,210 --> 00:15:49,290

skeptical star Shakti mandalas voila

342

00:15:44,639 --> 00:15:51,629

mint wiring Sarita dharamdas van aken hi

343
00:15:49,289 --> 00:15:53,819
this is garba raas co-president of the

344
00:15:51,629 --> 00:15:55,529
hungarian skeptics society and chairman

345
00:15:53,820 --> 00:15:57,990
of the European Council of skeptical

346
00:15:55,529 --> 00:16:00,149
organizations as a listener of the

347
00:15:57,990 --> 00:16:02,159
skeptic zone you probably agree that

348
00:16:00,149 --> 00:16:04,049
educating others about to the science

349
00:16:02,159 --> 00:16:06,839
and critical thinking is an important

350
00:16:04,049 --> 00:16:08,579
task if you are eager to take part in

351
00:16:06,840 --> 00:16:11,100
either of these activities we would be

352
00:16:08,580 --> 00:16:16,350
happy to hear from you don't hesitate to

353
00:16:11,100 --> 00:16:19,320
contact us at www.adr.org info at

354
00:16:16,350 --> 00:16:21,149
skeptical hu they also recommend you

355
00:16:19,320 --> 00:16:23,879
visiting our Facebook page skeptic

356
00:16:21,149 --> 00:16:26,689
gustaria Shack or simply come and join

357
00:16:23,879 --> 00:16:26,689
us at one of our events

358
00:16:32,399 --> 00:16:37,449
welcome to a week in science from our

359
00:16:34,840 --> 00:16:39,519
iOS bringing you the science you need to

360
00:16:37,450 --> 00:16:41,620
know well there's no danger of falling

361
00:16:39,519 --> 00:16:43,090
off the edge of the earth but as that

362
00:16:41,620 --> 00:16:46,269
thanks to the roundness of our home

363
00:16:43,090 --> 00:16:48,639
planet well not quite the ground beneath

364
00:16:46,269 --> 00:16:59,799
your feet is actually part of an oblate

365
00:16:48,639 --> 00:17:01,840
spheroid so what's an oblate spheroid

366
00:16:59,799 --> 00:17:03,969
well it's basically a sphere with a

367
00:17:01,840 --> 00:17:06,670
bulge around the middle because the

368
00:17:03,970 --> 00:17:08,799
planet spins rotational forces push mass

369
00:17:06,670 --> 00:17:11,080
outwards at the equator creating this

370
00:17:08,799 --> 00:17:13,240
odd shape in fact if you measure the

371

00:17:11,079 --> 00:17:15,009
earth across the poles you'll find that

372
00:17:13,240 --> 00:17:17,559
it's twelve thousand seven hundred and

373
00:17:15,009 --> 00:17:18,940
thirteen point six kilometres then if

374
00:17:17,559 --> 00:17:20,919
you measure the earth across the equator

375
00:17:18,940 --> 00:17:23,709
you'll get twelve thousand seven hundred

376
00:17:20,920 --> 00:17:25,300
fifty six point two kilometers that's a

377
00:17:23,709 --> 00:17:28,810
difference of forty two point six

378
00:17:25,299 --> 00:17:31,450
kilometers of the Earth's shape by using

379
00:17:28,809 --> 00:17:33,119
GPS sensors satellite laser ranging and

380
00:17:31,450 --> 00:17:35,350
very long baseline interferometry

381
00:17:33,119 --> 00:17:36,879
basically a bunch of different ways of

382
00:17:35,349 --> 00:17:40,929
monitoring the position of ground

383
00:17:36,880 --> 00:17:42,610
stations and of course how can the earth

384
00:17:40,930 --> 00:17:45,130
be round when it's covered in mountains

385
00:17:42,609 --> 00:17:48,609

and valleys the highest point above sea

386

00:17:45,130 --> 00:17:51,490

level Mount Everest reaches 8,848 meters

387

00:17:48,609 --> 00:17:53,469

but Mount Everest is not actually the

388

00:17:51,490 --> 00:17:56,259

point on earth furthest from the center

389

00:17:53,470 --> 00:18:00,190

that honor goes to Mount Chimborazo in

390

00:17:56,259 --> 00:18:02,200

Ecuador while its elevation is only 6268

391

00:18:00,190 --> 00:18:03,850

metres it's more than 2,000 meters

392

00:18:02,200 --> 00:18:06,130

further from the Earth's center than

393

00:18:03,849 --> 00:18:07,809

Everest and there's one last competitor

394

00:18:06,130 --> 00:18:10,120

for biggest mountain the Hawaiian

395

00:18:07,809 --> 00:18:12,399

volcano Mauna Kea which is more than

396

00:18:10,119 --> 00:18:14,319

10,000 meters from base to summit and

397

00:18:12,400 --> 00:18:16,450

here's a fact that might blow your mind

398

00:18:14,319 --> 00:18:18,309

if you Shrank the earth down to the same

399

00:18:16,450 --> 00:18:20,289

size it would be smoother than a

400
00:18:18,309 --> 00:18:22,169
billiard ball that's right billiard

401
00:18:20,289 --> 00:18:25,149
balls can have imperfections of up to

402
00:18:22,170 --> 00:18:27,730
0.22 percent but the earth only reaches

403
00:18:25,150 --> 00:18:30,070
zero point one seven percent and now for

404
00:18:27,730 --> 00:18:32,298
fast facts about this oblate spheroid we

405
00:18:30,069 --> 00:18:35,700
call home

406
00:18:32,298 --> 00:18:37,619
sea level isn't actually level due to

407
00:18:35,700 --> 00:18:39,360
the Earth's uneven gravity field there

408
00:18:37,619 --> 00:18:41,518
are permanent hills and valleys in the

409
00:18:39,359 --> 00:18:43,888
ocean the circumference of the earth is

410
00:18:41,519 --> 00:18:45,839
40,000 and 75 kilometers around the

411
00:18:43,888 --> 00:18:48,298
equator and forty thousand and eight

412
00:18:45,839 --> 00:18:50,548
kilometers around the poles every day

413
00:18:48,298 --> 00:18:52,168
that earth gains between 20 and 40 tons

414
00:18:50,548 --> 00:18:54,269
of mass due to collision with space

415
00:18:52,169 --> 00:18:56,549
debris at this rate it will take about

416
00:18:54,269 --> 00:18:58,740
four hundred fifty trillion years for

417
00:18:56,548 --> 00:19:00,509
the earth to double in size that's it

418
00:18:58,740 --> 00:19:02,669
for this week in science for more

419
00:19:00,509 --> 00:19:06,899
information about Earth go to the rirs

420
00:19:02,669 --> 00:19:09,179
website RI aus org dot a you follow us

421
00:19:06,898 --> 00:19:11,518
on twitter at our iOS and like us on

422
00:19:09,179 --> 00:19:29,639
Facebook I'm Casey Harrigan and we'll

423
00:19:11,519 --> 00:19:31,980
catch you next week hi this is Tim

424
00:19:29,638 --> 00:19:34,918
Farley you probably know me from what's

425
00:19:31,980 --> 00:19:37,079
the harm net a catalog of the real world

426
00:19:34,919 --> 00:19:40,830
harm caused by lack of critical thinking

427
00:19:37,079 --> 00:19:44,009
but that's not my only project i present

428

00:19:40,829 --> 00:19:46,349
at skeptic events I post a daily skeptic

429
00:19:44,009 --> 00:19:49,110
history fact on Twitter and Facebook and

430
00:19:46,349 --> 00:19:52,230
I blog about using new techniques on the

431
00:19:49,109 --> 00:19:55,589
internet to advance skepticism come over

432
00:19:52,230 --> 00:19:58,829
to skip tools com and check out my

433
00:19:55,589 --> 00:20:01,759
latest ideas but first enjoy the rest of

434
00:19:58,829 --> 00:20:01,759
the skeptic zone

435
00:20:08,230 --> 00:20:16,150
ah what lovely music now as mentioned at

436
00:20:12,910 --> 00:20:18,610
the top of the show once again ilithya

437
00:20:16,150 --> 00:20:21,850
Dean reported Joella bastyr and I went

438
00:20:18,609 --> 00:20:25,539
to the festival of mind body spirit here

439
00:20:21,849 --> 00:20:26,798
in Sydney or as we always loved the call

440
00:20:25,539 --> 00:20:30,970
it for years and years and years i think

441
00:20:26,798 --> 00:20:32,500
it was famous skeptic Barry Williams

442
00:20:30,970 --> 00:20:35,410

here in Australia who coined that

443

00:20:32,500 --> 00:20:38,440

expression mind-body wallet mind-body

444

00:20:35,410 --> 00:20:40,769

wallet rows and rows and rows and rows

445

00:20:38,440 --> 00:20:46,298

of stalls selling all sorts of things

446

00:20:40,769 --> 00:20:48,849

lots of spiritual advice people waving

447

00:20:46,298 --> 00:20:53,950

their hands people doing some sort of

448

00:20:48,849 --> 00:20:57,279

energetic healing by going shh shh over

449

00:20:53,950 --> 00:20:59,140

people which I can't quite fathom it's

450

00:20:57,279 --> 00:21:00,609

the first time I ever saw ear candling

451

00:20:59,140 --> 00:21:02,890

was at a mind-body wallet about ten

452

00:21:00,609 --> 00:21:09,099

years ago and when I saw it I had to

453

00:21:02,890 --> 00:21:11,830

look twice I thought no no they can't

454

00:21:09,099 --> 00:21:16,928

know they're sticking a candle in

455

00:21:11,829 --> 00:21:19,869

someone's ear what and I've seen many

456

00:21:16,929 --> 00:21:20,890

strange things over the years here are

457
00:21:19,869 --> 00:21:22,928
some of the things that caught my

458
00:21:20,890 --> 00:21:24,400
attention this time round I think some

459
00:21:22,929 --> 00:21:26,830
of these things have been around for a

460
00:21:24,400 --> 00:21:28,600
while this first one certainly has been

461
00:21:26,829 --> 00:21:31,779
around for at least six months because

462
00:21:28,599 --> 00:21:36,519
I'm sure we saw the same thing since six

463
00:21:31,779 --> 00:21:38,970
months ago this is the device which is

464
00:21:36,519 --> 00:21:43,079
basically it's a laptop it's a laptop

465
00:21:38,970 --> 00:21:46,240
it's a it's a program on a laptop and

466
00:21:43,079 --> 00:21:49,298
plugged into the laptop something

467
00:21:46,240 --> 00:21:51,519
resembling headphones and the idea is

468
00:21:49,298 --> 00:21:58,918
you sit down they put the headphones on

469
00:21:51,519 --> 00:22:01,859
your head and in theory this device will

470
00:21:58,919 --> 00:22:06,370
read the vibrations coming through your

471
00:22:01,859 --> 00:22:10,000
skull and translate those vibrations

472
00:22:06,369 --> 00:22:12,699
into electrical signals back into the

473
00:22:10,000 --> 00:22:16,839
computer and the computer will then

474
00:22:12,700 --> 00:22:18,880
display your organs representations of

475
00:22:16,839 --> 00:22:20,999
your organs nice graphics for your heart

476
00:22:18,880 --> 00:22:24,959
kidney liver so on

477
00:22:20,999 --> 00:22:28,078
and show you what's going on give you a

478
00:22:24,959 --> 00:22:29,669
health readout discover the amazing

479
00:22:28,078 --> 00:22:33,358
health benefits of the computerized

480
00:22:29,669 --> 00:22:35,159
nonlinear analysis system nls metatron

481
00:22:33,358 --> 00:22:38,668
for health checks fast effective

482
00:22:35,159 --> 00:22:40,349
painless non-invasive nls health check

483
00:22:38,669 --> 00:22:45,079
for only a hundred fifteen dollars

484
00:22:40,348 --> 00:22:48,928
including one homeopathic remedy come

485

00:22:45,078 --> 00:22:52,048
nls allergy test for 115 including

486
00:22:48,929 --> 00:22:54,659
printed allergies reports so they can

487
00:22:52,048 --> 00:22:57,479
tell you your allergies to 20 minutes

488
00:22:54,659 --> 00:22:59,599
each health check and consultation

489
00:22:57,479 --> 00:23:02,909
supplements are not included and the

490
00:22:59,598 --> 00:23:05,458
back of the brochure says do you want

491
00:23:02,909 --> 00:23:09,599
exceptional health results ? look no

492
00:23:05,459 --> 00:23:12,199
more ! there is a unique opportunity to

493
00:23:09,598 --> 00:23:14,958
have nls metatron health check at the

494
00:23:12,199 --> 00:23:17,939
mind-body-spirit festival and see 3d

495
00:23:14,959 --> 00:23:20,489
computerized images of your body organs

496
00:23:17,939 --> 00:23:25,439
muscles skeletal systems tissue cells

497
00:23:20,489 --> 00:23:28,649
and even chromosomes and DNA in details

498
00:23:25,439 --> 00:23:31,048
as you have never seen before our

499
00:23:28,648 --> 00:23:36,888

experienced practitioner will take you

500

00:23:31,048 --> 00:23:40,769

on an amazing journey into your body um

501

00:23:36,888 --> 00:23:42,988

what are the benefits of n LS point

502

00:23:40,769 --> 00:23:45,058

shows allergies and food sensitivities

503

00:23:42,989 --> 00:23:48,298

point prevention of disease and

504

00:23:45,058 --> 00:23:50,969

monitoring of treatments point status of

505

00:23:48,298 --> 00:23:57,028

each body system organ tissue cells or

506

00:23:50,969 --> 00:23:59,909

chromosomes point reasons for fatigue

507

00:23:57,028 --> 00:24:02,578

and low energy level point need for

508

00:23:59,909 --> 00:24:06,389

antioxidants and supplements point liver

509

00:24:02,578 --> 00:24:09,989

health and digestive system point

510

00:24:06,388 --> 00:24:12,838

musculoskeletal conditions point weight

511

00:24:09,989 --> 00:24:17,429

loss and malnutrition point identifies

512

00:24:12,838 --> 00:24:19,138

all pathogens and zaps them what's what

513

00:24:17,429 --> 00:24:21,538

hang on now this is something I didn't

514
00:24:19,138 --> 00:24:25,108
pick up on before identifies all

515
00:24:21,538 --> 00:24:28,108
pathogens and zaps them zapper and I'm

516
00:24:25,108 --> 00:24:30,448
pretty sure they're illegal that the

517
00:24:28,108 --> 00:24:33,898
flogging needs a pers that's interesting

518
00:24:30,449 --> 00:24:34,890
in conjunction with nls health check we

519
00:24:33,898 --> 00:24:36,719
provide high qual

520
00:24:34,890 --> 00:24:39,000
the service supported with natural

521
00:24:36,720 --> 00:24:42,380
supplements which are exclusive to our

522
00:24:39,000 --> 00:24:45,240
clinic and we guarantee clinical results

523
00:24:42,380 --> 00:24:47,610
this approach enables us to achieve the

524
00:24:45,240 --> 00:24:51,509
highest health results for our patients

525
00:24:47,609 --> 00:24:53,459
see us today at our stand Wow now I'm

526
00:24:51,509 --> 00:24:55,799
going to include a link to the on the

527
00:24:53,460 --> 00:24:59,430
show notes to this outfit who owed

528
00:24:55,799 --> 00:25:02,579
flogging this system which is the

529
00:24:59,430 --> 00:25:07,740
natural medicine that clinic but the

530
00:25:02,579 --> 00:25:12,210
website is wwd H hyphen natural medicine

531
00:25:07,740 --> 00:25:14,990
calm today you now when we were talking

532
00:25:12,210 --> 00:25:17,549
with the people at this stand about this

533
00:25:14,990 --> 00:25:20,220
device and how it works that's the best

534
00:25:17,549 --> 00:25:24,960
question you can ask at these things you

535
00:25:20,220 --> 00:25:26,850
ask oh how does it work and then we

536
00:25:24,960 --> 00:25:28,079
should play bingo actually the number of

537
00:25:26,849 --> 00:25:30,809
times they'll hear the word energy

538
00:25:28,079 --> 00:25:34,139
vibration the words energy vibration and

539
00:25:30,809 --> 00:25:35,339
frequency anyway in conversations with

540
00:25:34,140 --> 00:25:39,350
the people there it soon became apparent

541
00:25:35,339 --> 00:25:43,319
that they were well to be blunt clueless

542

00:25:39,349 --> 00:25:46,019
they had no understanding of of health

543
00:25:43,319 --> 00:25:47,669
really no medical understanding and what

544
00:25:46,019 --> 00:25:52,410
I suspect has happened is that they've

545
00:25:47,670 --> 00:25:55,500
simply bought this system and for a lot

546
00:25:52,410 --> 00:25:58,980
of money and now just flogging the

547
00:25:55,500 --> 00:26:03,029
health what they consider to be the the

548
00:25:58,980 --> 00:26:06,269
diagnostic health machine or program I

549
00:26:03,029 --> 00:26:09,240
think that they're probably quite well

550
00:26:06,269 --> 00:26:11,789
meaning but hopelessly deluded but

551
00:26:09,240 --> 00:26:13,349
here's the thing they have completely

552
00:26:11,789 --> 00:26:17,609
and utterly neglected their due

553
00:26:13,349 --> 00:26:19,109
diligence and duty of care all right so

554
00:26:17,609 --> 00:26:22,740
you go along and you're convinced by

555
00:26:19,109 --> 00:26:25,169
some presentation by someone flogging

556
00:26:22,740 --> 00:26:27,150

this device then it's surely your

557

00:26:25,170 --> 00:26:28,860

responsibility to make doubly sure that

558

00:26:27,150 --> 00:26:31,040

you're not being hoodwinked yourself

559

00:26:28,859 --> 00:26:34,709

before flogging this to other people and

560

00:26:31,039 --> 00:26:37,279

the biggest problem here and the biggest

561

00:26:34,710 --> 00:26:40,500

dangerous people could have this

562

00:26:37,279 --> 00:26:42,569

ridiculous scan done and receive a

563

00:26:40,500 --> 00:26:46,410

so-called health report and think

564

00:26:42,569 --> 00:26:48,000

something's okay when it's not when they

565

00:26:46,410 --> 00:26:50,750

should be seeking

566

00:26:48,000 --> 00:26:54,799

proper medical advice and treatment

567

00:26:50,750 --> 00:26:59,490

another one we found was a hair analysis

568

00:26:54,799 --> 00:27:02,220

system and the brochure says test don't

569

00:26:59,490 --> 00:27:05,160

guess how is the environment affecting

570

00:27:02,220 --> 00:27:07,410

your well-being our 90-day optimized

571
00:27:05,160 --> 00:27:10,050
natural coaching program is included

572
00:27:07,410 --> 00:27:12,300
with a 30-page hair follicle analysis

573
00:27:10,049 --> 00:27:16,079
report in just 15 minutes your report

574
00:27:12,299 --> 00:27:22,409
includes amino acid chart antioxidants

575
00:27:16,079 --> 00:27:25,019
chart efas chart EMF e.l.f chart food

576
00:27:22,410 --> 00:27:28,500
chart food additives chart microbiology

577
00:27:25,019 --> 00:27:32,099
chart murrells chart toxins chart 90-day

578
00:27:28,500 --> 00:27:35,009
coaching program blah blah blah expose

579
00:27:32,099 --> 00:27:39,359
special seventy dollars normally \$89 now

580
00:27:35,009 --> 00:27:42,779
this one and the website is info with

581
00:27:39,359 --> 00:27:45,389
heart calm is a little device about the

582
00:27:42,779 --> 00:27:46,859
size of a an iphone the idea is they

583
00:27:45,390 --> 00:27:48,960
pluck some hairs from the back of your

584
00:27:46,859 --> 00:27:52,319
neck put it on this little scanner so

585
00:27:48,960 --> 00:27:53,819
called scanner and that scans your hair

586
00:27:52,319 --> 00:27:56,609
follicles that information is sent

587
00:27:53,819 --> 00:28:01,500
encrypted to Germany to a supercomputer

588
00:27:56,609 --> 00:28:04,289
Maya and then sent back as a report the

589
00:28:01,500 --> 00:28:06,059
video at info with heart calm explains

590
00:28:04,289 --> 00:28:08,099
it better than I can but again in

591
00:28:06,059 --> 00:28:10,019
conversations with these people they

592
00:28:08,099 --> 00:28:13,139
didn't they they have no understanding

593
00:28:10,019 --> 00:28:15,329
of what they're really flogging and

594
00:28:13,140 --> 00:28:17,850
certainly no idea that the science

595
00:28:15,329 --> 00:28:23,519
behind it is just non-existent things

596
00:28:17,849 --> 00:28:26,819
don't work that way again I sympathize

597
00:28:23,519 --> 00:28:28,200
that they've been solved this a probably

598
00:28:26,819 --> 00:28:30,329
great expense and they've gone to a

599

00:28:28,200 --> 00:28:32,220
course and they've had very convincing

600
00:28:30,329 --> 00:28:33,329
people tell them how it works but in the

601
00:28:32,220 --> 00:28:36,299
end they didn't do their due diligence

602
00:28:33,329 --> 00:28:38,339
and a lot of these people were telling

603
00:28:36,299 --> 00:28:40,230
us when a swirl why isn't this thing

604
00:28:38,339 --> 00:28:42,990
available in hospitals if it's so

605
00:28:40,230 --> 00:28:45,930
amazing you know scan your your body and

606
00:28:42,990 --> 00:28:48,029
you can see your organs the response

607
00:28:45,930 --> 00:28:50,039
then came back to conspiracy theories

608
00:28:48,029 --> 00:28:52,740
well the medical profession here can't

609
00:28:50,039 --> 00:28:55,109
make money out of it or it's big and

610
00:28:52,740 --> 00:28:56,880
Russia it's used in every hospital in

611
00:28:55,109 --> 00:28:58,559
Mexico and things like this it's big in

612
00:28:56,880 --> 00:29:00,000
Europe and Australia is behind the times

613
00:28:58,559 --> 00:29:02,408

and when you get to catch up with far

614

00:29:00,000 --> 00:29:07,190

away from everything all this sort of

615

00:29:02,409 --> 00:29:10,039

just ridiculous assertions and there

616

00:29:07,190 --> 00:29:12,109

were many many more examples of woolly

617

00:29:10,038 --> 00:29:14,419

thinking and deluded people there always

618

00:29:12,108 --> 00:29:19,009

are and this is always the case of these

619

00:29:14,419 --> 00:29:20,509

mind-body wallet expose so we have the

620

00:29:19,009 --> 00:29:21,858

information we're going to see what we

621

00:29:20,509 --> 00:29:25,778

can do about it because some of these

622

00:29:21,858 --> 00:29:28,368

things are dangerous to give people this

623

00:29:25,778 --> 00:29:30,169

ridiculous so-called health reports when

624

00:29:28,368 --> 00:29:36,558

they should be seeking proper advices

625

00:29:30,169 --> 00:29:39,649

simply irresponsible but now let's hear

626

00:29:36,558 --> 00:29:43,819

from a leaf the urge oh and around and

627

00:29:39,648 --> 00:29:45,439

myself just after these encounters and

628
00:29:43,819 --> 00:29:48,259
immediately following that will have the

629
00:29:45,440 --> 00:29:50,509
report from 2009 Bauer good friend Joe

630
00:29:48,259 --> 00:29:52,429
and Ben amoo who also visited a

631
00:29:50,509 --> 00:29:55,960
mind-body wallet way back then and

632
00:29:52,429 --> 00:29:55,960
you'll see things haven't changed much

633
00:29:58,200 --> 00:30:02,590
it's mind body spirit mind body wallet

634
00:30:00,970 --> 00:30:05,049
once again and if I hear the word

635
00:30:02,589 --> 00:30:07,089
vibration again today I'm going to I

636
00:30:05,049 --> 00:30:08,919
don't know what I'm doing great I'll

637
00:30:07,089 --> 00:30:11,889
vibrate Joella best and what did you

638
00:30:08,920 --> 00:30:13,779
think of mind-body wallet today it was

639
00:30:11,890 --> 00:30:15,490
an interesting one this term it always

640
00:30:13,779 --> 00:30:17,819
is interesting it was interesting in a

641
00:30:15,490 --> 00:30:20,799
different way this time around um

642
00:30:17,819 --> 00:30:22,689
richard has negative energy I have

643
00:30:20,799 --> 00:30:24,669
negative energy and a run can attest to

644
00:30:22,690 --> 00:30:27,279
that you definitely have negative energy

645
00:30:24,670 --> 00:30:29,050
and the there's this GP that we talked

646
00:30:27,279 --> 00:30:30,700
to arm which we're definitely going to

647
00:30:29,049 --> 00:30:32,259
look into further because he's he's

648
00:30:30,700 --> 00:30:36,210
practicing all kinds of quackery in his

649
00:30:32,259 --> 00:30:40,900
GP practice yeah who felt that energy so

650
00:30:36,210 --> 00:30:43,000
so badly in his midriff yes you noticed

651
00:30:40,900 --> 00:30:45,310
yes um that he had to ask you to step

652
00:30:43,000 --> 00:30:46,750
away I had to step away from when we

653
00:30:45,309 --> 00:30:48,429
were talking to him wasn't that beside

654
00:30:46,750 --> 00:30:52,450
you were there Alethea I think even know

655
00:30:48,430 --> 00:30:54,430
I wasn't recognized you from TV I don't

656

00:30:52,450 --> 00:30:56,289
that's probably why you got singled out

657
00:30:54,430 --> 00:30:59,769
no no really I'll tell you what he was

658
00:30:56,289 --> 00:31:01,180
Richard had very negative energy which I

659
00:30:59,769 --> 00:31:03,519
think was correctly identified by

660
00:31:01,180 --> 00:31:07,299
Richard himself as the question asking

661
00:31:03,519 --> 00:31:08,619
energy that's right why I you know I've

662
00:31:07,299 --> 00:31:11,559
been coming this for many years as you

663
00:31:08,619 --> 00:31:14,259
know if we do a few more bit of it this

664
00:31:11,559 --> 00:31:16,149
one's quite big I thought this is at

665
00:31:14,259 --> 00:31:17,410
least a third bigger than than the one

666
00:31:16,150 --> 00:31:20,200
we were at last time it's quite

667
00:31:17,410 --> 00:31:21,820
significant yeah yeah yeah and but a lot

668
00:31:20,200 --> 00:31:25,720
of the same old people with it and you

669
00:31:21,819 --> 00:31:28,059
had your clothes rent oh yes I had my

670
00:31:25,720 --> 00:31:31,240

clothing read by the chap who I'm

671

00:31:28,059 --> 00:31:33,129

Greed's wax crayons that he melts with

672

00:31:31,240 --> 00:31:35,500

an iron and he complimented me on my

673

00:31:33,130 --> 00:31:37,150

hair so I jokingly asked him whether he

674

00:31:35,500 --> 00:31:39,279

could read people's hair colors and yes

675

00:31:37,150 --> 00:31:41,080

he could and he did all of my clothes

676

00:31:39,279 --> 00:31:44,500

and I think there was a slightly veiled

677

00:31:41,079 --> 00:31:46,629

insult in their 20 g are you looking

678

00:31:44,500 --> 00:31:48,279

very colorful today with your green hair

679

00:31:46,630 --> 00:31:50,600

and your purple top and your black dress

680

00:31:48,279 --> 00:31:53,149

and all the rest

681

00:31:50,599 --> 00:31:55,519

I think that was quite interesting so

682

00:31:53,150 --> 00:31:58,400

Alethea shall we do it again in six

683

00:31:55,519 --> 00:32:00,589

months I'm not sure I have the energy

684

00:31:58,400 --> 00:32:03,830

positive or negative effort to do that

685
00:32:00,589 --> 00:32:05,689
again well do you think I think you're

686
00:32:03,829 --> 00:32:07,730
asking at the wrong time you should like

687
00:32:05,690 --> 00:32:10,370
give it three months and then ask again

688
00:32:07,730 --> 00:32:12,048
I think I should but don't forget in

689
00:32:10,369 --> 00:32:13,519
there there's all those people selling

690
00:32:12,048 --> 00:32:16,279
you things to improve your energy and

691
00:32:13,519 --> 00:32:18,259
your frequencies in your vibrations well

692
00:32:16,279 --> 00:32:21,259
yeah there was that I think I stand out

693
00:32:18,259 --> 00:32:23,359
one was the 98 alive people who I think

694
00:32:21,259 --> 00:32:25,579
it's a horrible supplement I think

695
00:32:23,359 --> 00:32:27,558
ultimately that's what it was but it's a

696
00:32:25,579 --> 00:32:30,798
Terry extract of some sort it's right

697
00:32:27,558 --> 00:32:33,200
where they'd taken out all the toxic

698
00:32:30,798 --> 00:32:35,869
compounds they left all the magical good

699
00:32:33,200 --> 00:32:39,980
compounds and some new compounds 58 new

700
00:32:35,869 --> 00:32:42,678
comp yes yeah and it fixes everything so

701
00:32:39,980 --> 00:32:46,730
it boosts and normalizes your immune

702
00:32:42,679 --> 00:32:49,480
system it gets rid of bad bacteria while

703
00:32:46,730 --> 00:32:52,970
supporting good bacteria it's an

704
00:32:49,480 --> 00:32:56,240
antiviral and it fixes your cancer too

705
00:32:52,970 --> 00:32:59,000
apparently so oh and you can take it

706
00:32:56,240 --> 00:33:02,808
instead of your um your retrovirus if

707
00:32:59,000 --> 00:33:04,490
you're afflicted with HIV we were

708
00:33:02,808 --> 00:33:06,500
informed of this although it wasn't on

709
00:33:04,490 --> 00:33:08,329
the literature that was printed yeah we

710
00:33:06,500 --> 00:33:11,750
were told E and I asked whether they

711
00:33:08,329 --> 00:33:13,779
would cure my herpes for the record

712
00:33:11,750 --> 00:33:15,859
because this is public I don't have her

713

00:33:13,779 --> 00:33:18,740
but I asked where they would kill my

714
00:33:15,859 --> 00:33:22,389
herpes and and he said well we're not

715
00:33:18,740 --> 00:33:22,390
allowed to use the word cure but yes

716
00:33:22,869 --> 00:33:27,859
idea well folks as always it's worth

717
00:33:25,609 --> 00:33:29,538
coming to a spiritual ferrer what we

718
00:33:27,859 --> 00:33:31,399
call mind-body wallet you learn a lot

719
00:33:29,538 --> 00:33:34,069
you learn a lot with all of us we've got

720
00:33:31,400 --> 00:33:35,720
bags and Ferb brochures and literature

721
00:33:34,069 --> 00:33:38,418
to look through and i bought some nice

722
00:33:35,720 --> 00:33:40,519
chips organic chips I like you got an

723
00:33:38,419 --> 00:33:43,220
organic you go organic chips but I got

724
00:33:40,519 --> 00:33:45,589
an organized an organ aight and how

725
00:33:43,220 --> 00:33:47,870
organite it seems to be sort of some

726
00:33:45,589 --> 00:33:50,149
metal filaments and apparently some

727
00:33:47,869 --> 00:33:53,629

courts encased in resin and that will

728

00:33:50,150 --> 00:33:56,419

take away negative energy and replace it

729

00:33:53,630 --> 00:33:57,769

with negative ions I'd say from water

730

00:33:56,419 --> 00:33:59,149

they have this thing in the water in

731

00:33:57,769 --> 00:34:01,909

some one of the stands they had these

732

00:33:59,148 --> 00:34:03,439

similar similar looking things inside a

733

00:34:01,909 --> 00:34:08,169

water tank maybe they'll clean and that

734

00:34:03,440 --> 00:34:11,750

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

735

00:34:08,168 --> 00:34:14,750

the water is alkaline and it did it does

736

00:34:11,750 --> 00:34:17,418

something to that and it breaks away the

737

00:34:14,750 --> 00:34:20,230

breaks apart the molecules oh that's

738

00:34:17,418 --> 00:34:24,558

frightening yeah what are molecules

739

00:34:20,230 --> 00:34:26,750

amazing okay yes whatever next but you

740

00:34:24,559 --> 00:34:28,579

bought shoes so we've yet we all do it

741

00:34:26,750 --> 00:34:32,539

on and you put good how about shoes in

742
00:34:28,579 --> 00:34:35,359
tea and tea and you bought e 40 and a

743
00:34:32,539 --> 00:34:36,889
ginger drink a ginger drink yes there's

744
00:34:35,358 --> 00:34:38,989
actually quite a lot of stuff in here

745
00:34:36,889 --> 00:34:40,700
which is simply people who know there's

746
00:34:38,989 --> 00:34:42,769
gonna be a lot of people here today and

747
00:34:40,699 --> 00:34:45,588
they just want to sell and as long as it

748
00:34:42,769 --> 00:34:48,889
doesn't contradict the essence of the

749
00:34:45,588 --> 00:34:50,358
this conference tour this convention too

750
00:34:48,889 --> 00:34:53,240
much then I think they're happy to sell

751
00:34:50,358 --> 00:34:55,429
it I feel like there's been a real price

752
00:34:53,239 --> 00:34:56,898
hike since even the last time we were

753
00:34:55,429 --> 00:34:59,150
here there were people selling 10

754
00:34:56,898 --> 00:35:01,429
minutes psychic readings for what 70

755
00:34:59,150 --> 00:35:03,260
books yeah sixty bucks 5-10 minutes

756
00:35:01,429 --> 00:35:05,419
psychic reading 60 bucks I suggested

757
00:35:03,260 --> 00:35:07,549
that maybe we could do that I'll write a

758
00:35:05,420 --> 00:35:09,798
list of facts about myself on a bit on a

759
00:35:07,548 --> 00:35:11,239
note yeah and if they get them right

760
00:35:09,798 --> 00:35:12,710
then I'll pay them to 60 bucks and if

761
00:35:11,239 --> 00:35:15,500
they don't they will pay me 60 bucks for

762
00:35:12,710 --> 00:35:17,568
wasting my time good luck with that but

763
00:35:15,500 --> 00:35:18,980
thanks for all for coming along and well

764
00:35:17,568 --> 00:35:22,279
we'll see what happens in six months

765
00:35:18,980 --> 00:35:32,929
time thanks mrs. believe he is not

766
00:35:22,280 --> 00:35:35,930
looking abreast my name is Joanne been

767
00:35:32,929 --> 00:35:37,909
homo a few weeks ago myself and several

768
00:35:35,929 --> 00:35:39,588
other skeptics went to the festival of

769
00:35:37,909 --> 00:35:42,828
mind body and spirit at the Sydney

770

00:35:39,588 --> 00:35:44,690
exhibition center as a registered nurse

771
00:35:42,829 --> 00:35:46,460
it concerns me that many people are

772
00:35:44,690 --> 00:35:48,139
choosing to dabble in untested health

773
00:35:46,460 --> 00:35:49,818
treatments that have not been held up to

774
00:35:48,139 --> 00:35:52,699
scientific scrutiny and could

775
00:35:49,818 --> 00:35:54,318
potentially cause harm I was keen to see

776
00:35:52,699 --> 00:35:55,939
with the festival offered and whether it

777
00:35:54,318 --> 00:35:58,308
would live up to its reputation within

778
00:35:55,940 --> 00:36:01,000
the skeptical community as an arena for

779
00:35:58,309 --> 00:36:02,890
quackery nonsense and magical potions

780
00:36:01,000 --> 00:36:05,260
perhaps it would turn out to be just a

781
00:36:02,889 --> 00:36:16,539
bit of harmless fun I was not

782
00:36:05,260 --> 00:36:19,180
disappointed in keeping with its name

783
00:36:16,539 --> 00:36:22,599
the festival of mind body and spirit is

784
00:36:19,179 --> 00:36:24,789

nothing if not spirited upon entering

785

00:36:22,599 --> 00:36:27,250

the Sydney Exhibition Centre I was met

786

00:36:24,789 --> 00:36:29,259

by the jingle jangle of bells and air

787

00:36:27,250 --> 00:36:32,230

that sparkled with the stray glitter of

788

00:36:29,260 --> 00:36:34,150

passing fairy wings the hall was

789

00:36:32,230 --> 00:36:36,550

positively abuzz with enthusiastic

790

00:36:34,150 --> 00:36:38,650

stallholders passing out fliers and

791

00:36:36,550 --> 00:36:40,630

punters eagerly filling their

792

00:36:38,650 --> 00:36:43,450

complimentary carry bags with tonics

793

00:36:40,630 --> 00:36:47,260

crystals organic foods and promotional

794

00:36:43,449 --> 00:36:49,809

materials a huge queue had formed around

795

00:36:47,260 --> 00:36:52,210

the aura images stand we're having one's

796

00:36:49,809 --> 00:36:55,659

energy field photographed seemed to be

797

00:36:52,210 --> 00:36:57,849

the activity du jour as I watched the

798

00:36:55,659 --> 00:37:00,399

crowd lap up the rhetoric and jostle for

799
00:36:57,849 --> 00:37:03,429
treatments too vague ailments or more

800
00:37:00,400 --> 00:37:05,410
accurately symptoms of life I began to

801
00:37:03,429 --> 00:37:08,019
wonder what a blight on human progress

802
00:37:05,409 --> 00:37:11,019
it will prove to be to have so many of

803
00:37:08,019 --> 00:37:12,789
us waste our energies on products and

804
00:37:11,019 --> 00:37:14,619
procedures that refuse to be held

805
00:37:12,789 --> 00:37:18,099
accountable to all known laws of

806
00:37:14,619 --> 00:37:20,980
chemistry physics and biology and which

807
00:37:18,099 --> 00:37:24,639
unfortunately have great potential to do

808
00:37:20,980 --> 00:37:28,059
harm my mind returned to the word harm

809
00:37:24,639 --> 00:37:30,909
frequently during the day as Tim Farley

810
00:37:28,059 --> 00:37:34,719
superb website what's the harm net shows

811
00:37:30,909 --> 00:37:36,719
us the harm is very real right now the

812
00:37:34,719 --> 00:37:39,579
world faces many difficult challenges

813
00:37:36,719 --> 00:37:42,339
some realized and some lurking on the

814
00:37:39,579 --> 00:37:45,279
edge of our vision threatening but by no

815
00:37:42,340 --> 00:37:47,050
means guaranteed the return of some of

816
00:37:45,280 --> 00:37:49,210
the most frightening infectious diseases

817
00:37:47,050 --> 00:37:51,160
that we have suffered as well as the

818
00:37:49,210 --> 00:37:53,829
potential for a deadly flu pandemic

819
00:37:51,159 --> 00:37:56,619
creates real challenges for both medical

820
00:37:53,829 --> 00:37:58,900
researchers and clinicians and yet

821
00:37:56,619 --> 00:38:01,389
rather than seeking education through

822
00:37:58,900 --> 00:38:03,700
vetted and verifiable sources or

823
00:38:01,389 --> 00:38:06,609
consulting medical experts with years of

824
00:38:03,699 --> 00:38:08,399
scientific training droves of people are

825
00:38:06,610 --> 00:38:11,590
throwing away their time and money on

826
00:38:08,400 --> 00:38:14,019
unsubstantiated mumbo jumbo that has not

827

00:38:11,590 --> 00:38:18,070
been answerable to rigorous standard

828
00:38:14,019 --> 00:38:20,349
of scientific evidence remaining

829
00:38:18,070 --> 00:38:23,200
unanswerable proved to be a theme of the

830
00:38:20,349 --> 00:38:24,819
day as I came to see despite the

831
00:38:23,199 --> 00:38:26,829
requirements set out by the New South

832
00:38:24,820 --> 00:38:28,539
Wales Department of Health that the code

833
00:38:26,829 --> 00:38:31,150
of conduct for unregistered health

834
00:38:28,539 --> 00:38:33,670
practitioners be displayed in any place

835
00:38:31,150 --> 00:38:37,660
where they practice that document was

836
00:38:33,670 --> 00:38:40,119
noticeably absent from every store at a

837
00:38:37,659 --> 00:38:41,469
large stall offering holistic treatment

838
00:38:40,119 --> 00:38:45,039
for hundreds of conditions including

839
00:38:41,469 --> 00:38:47,169
cancer I witnessed an elderly lady being

840
00:38:45,039 --> 00:38:48,789
filmed by the stall holder as she

841
00:38:47,170 --> 00:38:50,829

hesitantly pulled herself out of her

842

00:38:48,789 --> 00:38:53,559

wheelchair to try the special footwear

843

00:38:50,829 --> 00:38:55,269

that he had fitted her with sitting in a

844

00:38:53,559 --> 00:38:58,179

neat row on top of a table was a

845

00:38:55,269 --> 00:39:00,369

collection of potions she walked a few

846

00:38:58,179 --> 00:39:02,769

steps and I couldn't shake the feeling

847

00:39:00,369 --> 00:39:06,009

that peter Popoff might leap out from

848

00:39:02,769 --> 00:39:09,730

behind the curtain yelling Jesus he had

849

00:39:06,010 --> 00:39:11,530

healed dr. rachel dunlop one of my

850

00:39:09,730 --> 00:39:13,960

partners in investigation for the day

851

00:39:11,530 --> 00:39:16,240

ask the mustachioed man behind the

852

00:39:13,960 --> 00:39:17,769

camera if you would be able to help her

853

00:39:16,239 --> 00:39:21,609

friend who had recently been diagnosed

854

00:39:17,769 --> 00:39:23,920

with cancer he swiftly responded yes and

855

00:39:21,610 --> 00:39:26,650

with great flourish pointed to the row

856
00:39:23,920 --> 00:39:28,420
of bottles assuring us that those exact

857
00:39:26,650 --> 00:39:31,660
bottles were what her friend would need

858
00:39:28,420 --> 00:39:34,630
a consultation and then a liquid diet

859
00:39:31,659 --> 00:39:36,819
would be required altogether incurring a

860
00:39:34,630 --> 00:39:40,450
cost of twelve thousand dollars for one

861
00:39:36,820 --> 00:39:44,380
year the results he declared the cancer

862
00:39:40,449 --> 00:39:45,669
would go away a burgeoning new trend in

863
00:39:44,380 --> 00:39:48,190
the world of complementary and

864
00:39:45,670 --> 00:39:51,760
alternative medicine is the promotion of

865
00:39:48,190 --> 00:39:53,829
so-called alkaline water this centers on

866
00:39:51,760 --> 00:39:56,530
claims that the pH of the body is

867
00:39:53,829 --> 00:39:58,900
becoming increasingly acidic due to

868
00:39:56,530 --> 00:40:02,320
exposure to environmental toxins and

869
00:39:58,900 --> 00:40:06,220
poor lifestyle a large sign in front of

870
00:40:02,320 --> 00:40:10,750
one store invited passes by to ask our

871
00:40:06,219 --> 00:40:12,369
water can cure incurable diseases we

872
00:40:10,750 --> 00:40:14,230
press the stallholders for more

873
00:40:12,369 --> 00:40:16,809
information about how this worked and

874
00:40:14,230 --> 00:40:19,460
whether it could cure our friends cancer

875
00:40:16,809 --> 00:40:21,949
they speedily backpedaled from their

876
00:40:19,460 --> 00:40:23,530
claims offering vague explanations mad

877
00:40:21,949 --> 00:40:26,480
at helping the immune system

878
00:40:23,530 --> 00:40:30,320
neutralizing acid and detoxifying the

879
00:40:26,480 --> 00:40:33,110
body their bizarre logic and aggressive

880
00:40:30,320 --> 00:40:35,180
demeanor led us to quickly retreat but

881
00:40:33,110 --> 00:40:37,099
not before one of them tapped Australian

882
00:40:35,179 --> 00:40:39,199
skeptics Vice President Richard Saunders

883
00:40:37,099 --> 00:40:42,019
on the shoulder and with the great

884

00:40:39,199 --> 00:40:44,059
chuckle proffered that the aspartamay

885
00:40:42,019 --> 00:40:47,509
Aiden gum that Richard was chewing would

886
00:40:44,059 --> 00:40:50,329
soon give him brain cancer several

887
00:40:47,510 --> 00:40:52,490
stalls offered live blood analysis the

888
00:40:50,329 --> 00:40:54,559
pseudoscience claiming to diagnose

889
00:40:52,489 --> 00:40:57,769
illness by analyzing a drop of blood

890
00:40:54,559 --> 00:40:59,779
under a microscope after the diagnosis

891
00:40:57,769 --> 00:41:02,900
punters are encouraged to buy the

892
00:40:59,780 --> 00:41:05,300
supplements on display we asked the

893
00:41:02,900 --> 00:41:07,820
stallholder how it worked whether they

894
00:41:05,300 --> 00:41:10,700
could use it for HIV or other viruses

895
00:41:07,820 --> 00:41:13,250
like swine flu we were told that it

896
00:41:10,699 --> 00:41:16,069
coats the cell creating a barrier so

897
00:41:13,250 --> 00:41:17,960
that nothing can get in when I inquired

898
00:41:16,070 --> 00:41:21,320

about how things that need to get into

899

00:41:17,960 --> 00:41:23,570

the cell like oxygen can do so he looked

900

00:41:21,320 --> 00:41:27,140

at me blankly and told me that the

901

00:41:23,570 --> 00:41:29,180

barrier only lasted for one out at the

902

00:41:27,139 --> 00:41:31,639

end of the day standing at the doors of

903

00:41:29,179 --> 00:41:35,029

the Sydney exhibition center I couldn't

904

00:41:31,639 --> 00:41:37,099

help but wonder with such enthusiasm be

905

00:41:35,030 --> 00:41:40,130

on show for a festival grounded in real

906

00:41:37,099 --> 00:41:42,679

science are we no longer interested in

907

00:41:40,130 --> 00:41:45,380

scientific evidence and only able to

908

00:41:42,679 --> 00:41:48,469

absorb vague ideas based on ethereal

909

00:41:45,380 --> 00:41:51,890

notions of energy auras chakras and

910

00:41:48,469 --> 00:41:54,589

harmony with nature what kind of harm

911

00:41:51,889 --> 00:41:57,250

threatens humanity if we continue to

912

00:41:54,590 --> 00:42:00,260

allow the celebration and indeed the

913
00:41:57,250 --> 00:42:02,980
commercialization of the unfounded cure

914
00:42:00,260 --> 00:42:02,980
in a bottle

915
00:42:14,608 --> 00:42:20,248
so that's a wrap up of the mind body

916
00:42:16,768 --> 00:42:21,868
spirit mind body wallet festival these

917
00:42:20,248 --> 00:42:23,639
are in siming every six months I think

918
00:42:21,869 --> 00:42:25,619
been probably in Melbourne every six

919
00:42:23,639 --> 00:42:28,440
months and other capital cities at least

920
00:42:25,619 --> 00:42:32,239
annually and if you go to one anywhere

921
00:42:28,440 --> 00:42:34,710
around the world ask questions and

922
00:42:32,239 --> 00:42:36,358
you'll soon discover the people there

923
00:42:34,710 --> 00:42:38,880
don't know what they're talking about

924
00:42:36,358 --> 00:42:41,909
they certainly don't know the meaning of

925
00:42:38,880 --> 00:42:44,249
the word energy and they'll use words

926
00:42:41,909 --> 00:42:46,768
like frequency and vibration just mixed

927
00:42:44,248 --> 00:42:48,358
up with everything else now I can't tell

928
00:42:46,768 --> 00:42:51,018
you not to pick arguments if you go to

929
00:42:48,358 --> 00:42:53,248
these things but I found over the years

930
00:42:51,018 --> 00:42:54,929
they don't actually get you anywhere

931
00:42:53,248 --> 00:42:56,879
it's better just to go there and collect

932
00:42:54,929 --> 00:42:58,108
information and maybe maybe we can

933
00:42:56,880 --> 00:43:04,640
actually do something about this

934
00:42:58,108 --> 00:43:04,639
outrageous festival of mind-body wallet

935
00:43:19,000 --> 00:43:23,869
did you see that UFO sighting that made

936
00:43:21,590 --> 00:43:25,550
the news what did that latest study

937
00:43:23,869 --> 00:43:27,980
about alternative treatments really say

938
00:43:25,550 --> 00:43:30,950
is this photo making the rounds real or

939
00:43:27,980 --> 00:43:32,840
hoax duffie news is a unique website

940
00:43:30,949 --> 00:43:34,969
featuring news about pseudoscience the

941

00:43:32,840 --> 00:43:36,670
paranormal anomalies and questionable

942
00:43:34,969 --> 00:43:39,649
claims framed with the skeptical view

943
00:43:36,670 --> 00:43:41,380
come visit doubtful newscom every day

944
00:43:39,650 --> 00:43:45,110
for news about cryptozoology

945
00:43:41,380 --> 00:43:48,019
conspiracies shams scams and more follow

946
00:43:45,110 --> 00:43:49,579
us on twitter at doubtful news critical

947
00:43:48,019 --> 00:43:51,889
thinking is essential in assessing

948
00:43:49,579 --> 00:43:55,690
today's news duffel news helps you

949
00:43:51,889 --> 00:43:55,690
decide can you really believe this stuff

950
00:44:05,409 --> 00:44:12,889
morning everybody holy before I start my

951
00:44:08,480 --> 00:44:15,590
day which I just wrote it is called with

952
00:44:12,889 --> 00:44:17,839
her at all before and I'm sure you put

953
00:44:15,590 --> 00:44:19,400
it on before I'm going to be discussing

954
00:44:17,840 --> 00:44:22,670
some of the things I've heard over the

955
00:44:19,400 --> 00:44:24,920

years in my skeptical activities from

956

00:44:22,670 --> 00:44:27,260

the other side so to speak but before we

957

00:44:24,920 --> 00:44:32,539

start that this is God messenger

958

00:44:27,260 --> 00:44:34,460

reporter for the skipper's own some of

959

00:44:32,539 --> 00:44:37,429

you may know who are all of the skeptics

960

00:44:34,460 --> 00:44:39,769

under what we tried to do before each

961

00:44:37,429 --> 00:44:42,230

episode is a little video teaser so I

962

00:44:39,769 --> 00:44:44,599

thought I'd do a quick video teaser live

963

00:44:42,230 --> 00:44:45,869

from skipping town so we turn around

964

00:44:44,599 --> 00:44:50,599

here

965

00:44:45,869 --> 00:44:58,109

okay mode it's helping boat we do this

966

00:44:50,599 --> 00:45:00,569

and how's that however this is Richard

967

00:44:58,110 --> 00:45:06,450

Saunders with Joe alabasta and we're at

968

00:45:00,570 --> 00:45:08,250

skeptic am in Sydney hello coming up on

969

00:45:06,449 --> 00:45:10,949

this week's show Joe what's coming up

970
00:45:08,250 --> 00:45:13,909
may I will be talking figure at Paranal

971
00:45:10,949 --> 00:45:16,409
adventure I'm going to be talking about

972
00:45:13,909 --> 00:45:19,099
blackmores funding and carrots in

973
00:45:16,409 --> 00:45:22,289
university in integrative medicine

974
00:45:19,099 --> 00:45:24,809
really really really cool and I'll be

975
00:45:22,289 --> 00:45:26,579
conducting interviews at Skippy camp

976
00:45:24,809 --> 00:45:29,699
here in Sydney that's coming up on the

977
00:45:26,579 --> 00:45:37,170
skeptics own podcast episode number 345

978
00:45:29,699 --> 00:45:39,839
for the 31st off mate ray that's it all

979
00:45:37,170 --> 00:45:47,010
right thanks everything thanks for

980
00:45:39,840 --> 00:45:50,640
indulging me now so yes no slides let's

981
00:45:47,010 --> 00:45:54,300
see if that works so what I'd like to

982
00:45:50,639 --> 00:45:57,210
talk about briefly a little bit about me

983
00:45:54,300 --> 00:45:59,100
for those of you who don't know too much

984
00:45:57,210 --> 00:46:00,960
about what I've been up to I'm a

985
00:45:59,099 --> 00:46:03,750
committee member of the Australian

986
00:46:00,960 --> 00:46:05,070
skeptics I've been a past president I'm

987
00:46:03,750 --> 00:46:07,170
also a life member of the Australian

988
00:46:05,070 --> 00:46:09,269
skeptics I am a committee member of the

989
00:46:07,170 --> 00:46:11,550
james randi educational foundations 1

990
00:46:09,269 --> 00:46:13,949
million dollar challenge I'm a fellow

991
00:46:11,550 --> 00:46:16,350
for the Center for skeptical inquiry in

992
00:46:13,949 --> 00:46:18,299
the United States I'm one of the team

993
00:46:16,349 --> 00:46:23,880
who do the mystery investigators schools

994
00:46:18,300 --> 00:46:26,100
show now in its 12th year I think as you

995
00:46:23,880 --> 00:46:29,430
saw I'm the host one of the hosts and

996
00:46:26,099 --> 00:46:31,980
produces the skeptics own podcast and I

997
00:46:29,429 --> 00:46:36,210
did documentary which Maureen's mother

998

00:46:31,980 --> 00:46:37,409
and Maureen herself appeared in a last

999
00:46:36,210 --> 00:46:39,260
year that came out called the

1000
00:46:37,409 --> 00:46:44,039
vaccination Chronicles and that's a free

1001
00:46:39,260 --> 00:46:46,800
documentary so I've heard a lot of

1002
00:46:44,039 --> 00:46:48,449
things over the years in my skeptical

1003
00:46:46,800 --> 00:46:50,190
adventures I've spoken to a lot of

1004
00:46:48,449 --> 00:46:52,858
people who we might say are the

1005
00:46:50,190 --> 00:46:55,349
believers and all sorts of things

1006
00:46:52,858 --> 00:46:57,748
some of the things they tell me come up

1007
00:46:55,349 --> 00:46:59,400
frequently and I hear them again and

1008
00:46:57,748 --> 00:47:01,949
again from different people over the

1009
00:46:59,400 --> 00:47:04,349
years over the years and I will into the

1010
00:47:01,949 --> 00:47:07,288
future so I thought I'd relate some of

1011
00:47:04,349 --> 00:47:12,539
these to you and you may have some good

1012
00:47:07,289 --> 00:47:14,460

ideas for a quick rebuttal but these are

1013

00:47:12,539 --> 00:47:16,019

the things that if you are involved in

1014

00:47:14,460 --> 00:47:19,349

skepticism these are some of the things

1015

00:47:16,018 --> 00:47:22,409

you are will undoubtedly here the first

1016

00:47:19,349 --> 00:47:26,700

one is and I only heard this again just

1017

00:47:22,409 --> 00:47:30,379

the other day more and more people now

1018

00:47:26,699 --> 00:47:33,298

this is what will be put to you by

1019

00:47:30,380 --> 00:47:35,789

people who believe in there particularly

1020

00:47:33,298 --> 00:47:38,248

if they will say these days more and

1021

00:47:35,789 --> 00:47:41,309

more people will the first time I heard

1022

00:47:38,248 --> 00:47:45,058

this was from creationists dating back

1023

00:47:41,309 --> 00:47:47,430

to the 1970s and the 80s in more and

1024

00:47:45,059 --> 00:47:51,059

more scientists are now turning to

1025

00:47:47,429 --> 00:47:54,868

creationism they it's just a handy thing

1026

00:47:51,059 --> 00:47:56,880

to say it's also used with things like

1027
00:47:54,869 --> 00:47:58,380
homeopathy things in the new age more

1028
00:47:56,880 --> 00:48:00,660
and more people are now realizing

1029
00:47:58,380 --> 00:48:02,400
there's a whole fundamental shift more

1030
00:48:00,659 --> 00:48:03,778
and more people are realizing that we

1031
00:48:02,400 --> 00:48:07,230
can talk to the dead that homeopathy

1032
00:48:03,778 --> 00:48:12,268
works that XYZ an alternative medicine

1033
00:48:07,230 --> 00:48:15,900
is true and I think people say this

1034
00:48:12,268 --> 00:48:19,018
because to their way of thinking this

1035
00:48:15,900 --> 00:48:21,389
must be the case if you've invested your

1036
00:48:19,018 --> 00:48:24,929
efforts and time and emotions and money

1037
00:48:21,389 --> 00:48:26,848
and intellect into something it's quite

1038
00:48:24,929 --> 00:48:29,068
natural to assume that surely the rest

1039
00:48:26,849 --> 00:48:31,859
of the planet will catch on because

1040
00:48:29,068 --> 00:48:34,679
you're right you've done your research

1041
00:48:31,858 --> 00:48:37,170
and you've been convinced so naturally

1042
00:48:34,679 --> 00:48:38,788
more and more people will come around to

1043
00:48:37,170 --> 00:48:41,579
your way of thinking I think a classic

1044
00:48:38,789 --> 00:48:43,499
example would be the francella and

1045
00:48:41,579 --> 00:48:45,960
homeopathy plus we can see how she is

1046
00:48:43,498 --> 00:48:47,848
entrenched in her belief and to her way

1047
00:48:45,960 --> 00:48:49,409
of thinking her friends naturally the

1048
00:48:47,849 --> 00:48:51,150
rest of the world will have to catch up

1049
00:48:49,409 --> 00:48:54,028
and I'll get to this the rest of the

1050
00:48:51,150 --> 00:48:56,039
world catching up soon so that's one you

1051
00:48:54,028 --> 00:48:58,139
will hear more and more people and they

1052
00:48:56,039 --> 00:49:01,109
don't cite real statistics or anything

1053
00:48:58,139 --> 00:49:01,710
but it to them it's just a foregone

1054
00:49:01,108 --> 00:49:06,259
conclusion

1055

00:49:01,710 --> 00:49:09,150
the next one would be a classic is

1056
00:49:06,260 --> 00:49:12,690
labeled again skeptics skeptics are

1057
00:49:09,150 --> 00:49:15,210
closed-minded I've heard this ever since

1058
00:49:12,690 --> 00:49:18,570
I've been in the skeptical world

1059
00:49:15,210 --> 00:49:21,750
skeptics are closed-minded it's a sort

1060
00:49:18,570 --> 00:49:24,240
of a way to end a conversation it's the

1061
00:49:21,750 --> 00:49:25,588
ultimate can't talk to you you're

1062
00:49:24,239 --> 00:49:26,939
closed-minded you're a skeptic you're a

1063
00:49:25,588 --> 00:49:28,170
skeptic therefore you close minded

1064
00:49:26,940 --> 00:49:32,250
you're closed-minded therefore you're

1065
00:49:28,170 --> 00:49:33,570
skeptical but really who's the who's in

1066
00:49:32,250 --> 00:49:37,920
this case who it really is the

1067
00:49:33,570 --> 00:49:42,838
closed-minded when I was doing a TV show

1068
00:49:37,920 --> 00:49:45,838
a number of years ago called the one I

1069
00:49:42,838 --> 00:49:48,900

was cast as as a judge on this TV show

1070

00:49:45,838 --> 00:49:50,670

and they didn't cast my other judge who

1071

00:49:48,900 --> 00:49:53,460

would be the believer skeptic believer

1072

00:49:50,670 --> 00:49:55,230

and so they had me up sitting in a

1073

00:49:53,460 --> 00:49:57,510

little studio and they would bring in

1074

00:49:55,230 --> 00:49:59,039

boob candidate so contestants that's

1075

00:49:57,510 --> 00:50:01,260

what's the word people auditioning for

1076

00:49:59,039 --> 00:50:03,389

the role and we'd have a little chat to

1077

00:50:01,260 --> 00:50:05,369

see if we got along and how we looked on

1078

00:50:03,389 --> 00:50:07,920

camera and I would ask each of them in

1079

00:50:05,369 --> 00:50:10,619

turn and I said I I'm a skeptic you're a

1080

00:50:07,920 --> 00:50:12,240

believer I said I would believe in what

1081

00:50:10,619 --> 00:50:16,309

you're proposing if it's talking to the

1082

00:50:12,239 --> 00:50:20,368

dead or whatever it is if there was

1083

00:50:16,309 --> 00:50:21,900

enough good compelling evidence that's

1084
00:50:20,369 --> 00:50:24,690
the skeptical point of view that's a

1085
00:50:21,900 --> 00:50:26,070
scientific outlook I don't know what it

1086
00:50:24,690 --> 00:50:28,409
would be like in reality it's never

1087
00:50:26,070 --> 00:50:31,650
quite happened yet but I said at least I

1088
00:50:28,409 --> 00:50:33,539
that's how I would have to try and go

1089
00:50:31,650 --> 00:50:36,269
down that path and I don't always ask

1090
00:50:33,539 --> 00:50:42,019
them what would convince you that what

1091
00:50:36,269 --> 00:50:46,588
you think is incorrect and basically

1092
00:50:42,019 --> 00:50:48,690
nothing the true believer is its to

1093
00:50:46,588 --> 00:50:51,719
their way of thinking that's that's

1094
00:50:48,690 --> 00:50:54,119
reality so of course nothing can can

1095
00:50:51,719 --> 00:50:55,588
make them change their money it's it's

1096
00:50:54,119 --> 00:50:58,550
an interesting thing so when people say

1097
00:50:55,588 --> 00:51:00,989
to you skeptics you're close-minded

1098
00:50:58,550 --> 00:51:02,670
really it's the other way around it's

1099
00:51:00,989 --> 00:51:04,500
funny it really is the other way around

1100
00:51:02,670 --> 00:51:07,079
but the perception is skeptics have to

1101
00:51:04,500 --> 00:51:09,599
be closed-minded another great one I've

1102
00:51:07,079 --> 00:51:13,028
heard over the years crops up every now

1103
00:51:09,599 --> 00:51:15,159
and then and it's it's a quote the media

1104
00:51:13,028 --> 00:51:17,798
like to get their teeth into for those

1105
00:51:15,159 --> 00:51:20,259
who believe no evidence is necessary for

1106
00:51:17,798 --> 00:51:22,719
those who are skeptical no evidence is

1107
00:51:20,259 --> 00:51:25,929
ever enough it's a great way to just

1108
00:51:22,719 --> 00:51:28,630
dismiss skeptical inquiry or skeptical

1109
00:51:25,929 --> 00:51:31,059
thought and I could sort of relates back

1110
00:51:28,630 --> 00:51:32,890
to my previous point for those who

1111
00:51:31,059 --> 00:51:35,949
believe no evidence is necessary that's

1112

00:51:32,889 --> 00:51:37,389
pretty sad actually it's not a it's not

1113
00:51:35,949 --> 00:51:40,778
a good way to conduct yourself if you

1114
00:51:37,389 --> 00:51:42,429
just I believe in this so you know I'm

1115
00:51:40,778 --> 00:51:44,498
imposing a close-minded attitude here

1116
00:51:42,429 --> 00:51:46,179
and the second part is completely

1117
00:51:44,498 --> 00:51:47,978
incorrect for those who are skeptical no

1118
00:51:46,179 --> 00:51:52,059
evidences not won't know if you're

1119
00:51:47,978 --> 00:51:54,368
skeptical then we hope and you must

1120
00:51:52,059 --> 00:51:57,459
strive to accept the evidence even when

1121
00:51:54,369 --> 00:52:01,528
it's not compatible with way you your

1122
00:51:57,458 --> 00:52:04,808
worldview so that's a great one for

1123
00:52:01,528 --> 00:52:07,059
media psychics and mystics and whatever

1124
00:52:04,809 --> 00:52:09,849
and homeopathy I've heard it too to use

1125
00:52:07,059 --> 00:52:11,919
that little sound bite but it's

1126
00:52:09,849 --> 00:52:14,528

incorrect but it's a sound bite it goes

1127

00:52:11,918 --> 00:52:17,679

out there it's played on the media it

1128

00:52:14,528 --> 00:52:21,849

sounds good it sounds good another one

1129

00:52:17,679 --> 00:52:24,969

that's been a accusation of sorts sort

1130

00:52:21,849 --> 00:52:27,400

of an insult that's been put against me

1131

00:52:24,969 --> 00:52:30,999

are beyond this same Shanti on the

1132

00:52:27,400 --> 00:52:38,168

national TV are you skeptics useful the

1133

00:52:30,998 --> 00:52:40,389

world was flat what hang on a second you

1134

00:52:38,168 --> 00:52:42,728

mean me and my friends and the skeptical

1135

00:52:40,389 --> 00:52:45,400

community think or thought the world was

1136

00:52:42,728 --> 00:52:47,228

flat no that can't be right so we go

1137

00:52:45,400 --> 00:52:52,150

back through history and of course on

1138

00:52:47,228 --> 00:52:57,188

the spot you can't do this ok so people

1139

00:52:52,150 --> 00:52:58,989

since the many evil times I suppose in

1140

00:52:57,188 --> 00:53:02,949

the early civilizations knew the world

1141
00:52:58,989 --> 00:53:07,838
was round the thing is the only people

1142
00:53:02,949 --> 00:53:10,630
I've heard of in recent times who think

1143
00:53:07,838 --> 00:53:12,219
the world is flat or indeed that the Sun

1144
00:53:10,630 --> 00:53:16,180
revolves around

1145
00:53:12,219 --> 00:53:18,219
the earth are believers this this thing

1146
00:53:16,179 --> 00:53:20,529
is turned completely on its head the own

1147
00:53:18,219 --> 00:53:22,889
there are people who what is it called G

1148
00:53:20,530 --> 00:53:25,269
geocentrism is that the right job young

1149
00:53:22,889 --> 00:53:29,409
and there are certain religious sects

1150
00:53:25,269 --> 00:53:32,320
who believe that the Sun revolves around

1151
00:53:29,409 --> 00:53:34,059
the earth so this is a bizarre one

1152
00:53:32,320 --> 00:53:38,710
that's a great instant put down

1153
00:53:34,059 --> 00:53:42,299
especially our media and so and I guess

1154
00:53:38,710 --> 00:53:44,530
the thinking is way back in antiquity

1155
00:53:42,300 --> 00:53:46,000
people like me would sit there and say

1156
00:53:44,530 --> 00:53:49,300
of course the world is flat don't be

1157
00:53:46,000 --> 00:53:51,039
silly and these brave other people would

1158
00:53:49,300 --> 00:53:52,480
try to disprove the skeptics it's

1159
00:53:51,039 --> 00:53:55,090
completely the other way around if

1160
00:53:52,480 --> 00:53:56,710
anything people could have been

1161
00:53:55,090 --> 00:53:59,320
skeptical of the world was flat and

1162
00:53:56,710 --> 00:54:01,260
discovered it was wrong so that that's

1163
00:53:59,320 --> 00:54:06,070
an interesting one that comes up Oh

1164
00:54:01,260 --> 00:54:08,710
another great one and this is this is an

1165
00:54:06,070 --> 00:54:12,099
interesting psychological one again this

1166
00:54:08,710 --> 00:54:15,820
was put to me on on this TV show oh you

1167
00:54:12,099 --> 00:54:18,690
scientists or was that effect science

1168
00:54:15,820 --> 00:54:21,160
doesn't know everything you know

1169

00:54:18,690 --> 00:54:23,260
implying that what they've the

1170
00:54:21,159 --> 00:54:26,170
proposition they've just put or what

1171
00:54:23,260 --> 00:54:30,160
we've just observed some psychic is

1172
00:54:26,170 --> 00:54:32,079
correct so isn't that interesting ah you

1173
00:54:30,159 --> 00:54:34,799
know you're nothing this but science

1174
00:54:32,079 --> 00:54:34,799
doesn't know everything

1175
00:54:35,489 --> 00:54:41,079
of course otherwise no yes that's that

1176
00:54:39,969 --> 00:54:42,759
of course it doesn't know everything

1177
00:54:41,079 --> 00:54:44,559
otherwise it would stop but it's a great

1178
00:54:42,760 --> 00:54:46,690
it's also a complete ignorance of the

1179
00:54:44,559 --> 00:54:48,820
scientific method by these people but

1180
00:54:46,690 --> 00:54:50,139
what they're saying in it is that I'm

1181
00:54:48,820 --> 00:54:52,000
right because science doesn't know

1182
00:54:50,139 --> 00:54:55,089
everything there for one day you'll see

1183
00:54:52,000 --> 00:54:56,380

this what XYZ belief sister won't be

1184

00:54:55,090 --> 00:54:59,079

shown to be right because science

1185

00:54:56,380 --> 00:55:01,630

doesn't know everything you've wrought

1186

00:54:59,079 --> 00:55:02,739

and skipped it get out of here there's a

1187

00:55:01,630 --> 00:55:08,619

bit of anger in that too i think

1188

00:55:02,739 --> 00:55:11,589

sometimes or another one is if I'm

1189

00:55:08,619 --> 00:55:13,539

putting a point the rebuttal from a

1190

00:55:11,590 --> 00:55:18,370

believer could be our you're a skeptic

1191

00:55:13,539 --> 00:55:20,050

of course you'd say that well of course

1192

00:55:18,369 --> 00:55:22,630

I were just right and well I hope it's

1193

00:55:20,050 --> 00:55:25,600

you again it's it's this missing what I

1194

00:55:22,630 --> 00:55:27,460

say they simply by saying aye but you

1195

00:55:25,599 --> 00:55:29,500

have to say that you're a skeptic you're

1196

00:55:27,460 --> 00:55:32,429

close-minded so I'm not going to what

1197

00:55:29,500 --> 00:55:34,840

you're saying is not very important ah

1198
00:55:32,429 --> 00:55:37,119
thank you for jumping in their modes

1199
00:55:34,840 --> 00:55:40,150
it's good to because I sometimes I still

1200
00:55:37,119 --> 00:55:42,250
struggle with with the instant reply to

1201
00:55:40,150 --> 00:55:44,349
these and in many cases there is no

1202
00:55:42,250 --> 00:55:45,760
instant reply that is satisfying and you

1203
00:55:44,349 --> 00:55:48,339
can get across because sometimes you

1204
00:55:45,760 --> 00:55:50,800
have to spend time explaining especially

1205
00:55:48,340 --> 00:55:52,780
this one skeptics a closed minded then

1206
00:55:50,800 --> 00:55:56,080
takes a minute or two to you know talk

1207
00:55:52,780 --> 00:55:57,880
around that one oh one of my favorites

1208
00:55:56,079 --> 00:56:01,059
of all time with my favorites of all

1209
00:55:57,880 --> 00:56:02,460
time so I might be discussing a point of

1210
00:56:01,059 --> 00:56:05,230
view from the skeptical point of view

1211
00:56:02,460 --> 00:56:08,500
homeopathy for example oh it's works on

1212
00:56:05,230 --> 00:56:12,670
energy what do you mean reiki what is it

1213
00:56:08,500 --> 00:56:16,809
is it energy ah you skeptics you can't

1214
00:56:12,670 --> 00:56:20,159
measure love you know and you will hear

1215
00:56:16,809 --> 00:56:22,539
this you can't measure love therefore

1216
00:56:20,159 --> 00:56:24,639
what I'm saying is true because you

1217
00:56:22,539 --> 00:56:26,380
can't measure that either about someone

1218
00:56:24,639 --> 00:56:28,179
how do you measure raking energies and

1219
00:56:26,380 --> 00:56:30,519
hit the thermal is it sound I mean what

1220
00:56:28,179 --> 00:56:33,489
is it its energy well how do you measure

1221
00:56:30,519 --> 00:56:37,269
it what what device you can't measure

1222
00:56:33,489 --> 00:56:40,029
love either therefore Reiki is true can

1223
00:56:37,269 --> 00:56:42,369
you see how their mind works yes

1224
00:56:40,030 --> 00:56:47,590
they come back for that yeah love

1225
00:56:42,369 --> 00:56:49,150
without evidence is stalking love

1226

00:56:47,590 --> 00:56:52,570
without evidence is stalking to

1227
00:56:49,150 --> 00:56:54,849
invention I like that yeah so far and

1228
00:56:52,570 --> 00:56:56,830
I've only got a couple more to go so I

1229
00:56:54,849 --> 00:57:01,889
know we're running a bit late but that's

1230
00:56:56,829 --> 00:57:05,500
fine so far a lot of these things that

1231
00:57:01,889 --> 00:57:06,849
they will put to you maybe it's this

1232
00:57:05,500 --> 00:57:10,030
they're thinking they're not trying to

1233
00:57:06,849 --> 00:57:13,089
be funny or smart or come up with

1234
00:57:10,030 --> 00:57:15,220
something that will confuse me or

1235
00:57:13,090 --> 00:57:17,440
whatever the case may be this is

1236
00:57:15,219 --> 00:57:20,500
actually to them all these make perfect

1237
00:57:17,440 --> 00:57:22,539
sense these put-downs these replies and

1238
00:57:20,500 --> 00:57:26,469
everything and as I said before a lot of

1239
00:57:22,539 --> 00:57:29,079
times it's very hard to have a

1240
00:57:26,469 --> 00:57:31,629

satisfactory come back you just haven't

1241

00:57:29,079 --> 00:57:35,710

got the time and their point especially

1242

00:57:31,630 --> 00:57:37,570

this one the long-winded one for those

1243

00:57:35,710 --> 00:57:39,309

who believe no evidence is necessary for

1244

00:57:37,570 --> 00:57:41,380

those who are skipping no evidence is

1245

00:57:39,309 --> 00:57:43,799

enough it takes a few minutes to unpick

1246

00:57:41,380 --> 00:57:46,269

that and turn it on its head by then it

1247

00:57:43,800 --> 00:57:50,100

doesn't matter especially if it's sound

1248

00:57:46,269 --> 00:57:53,110

bite for the medium another one which i

1249

00:57:50,099 --> 00:57:56,049

think i might have even heard French

1250

00:57:53,110 --> 00:57:58,570

Sheffield use I'm not sure definitely

1251

00:57:56,050 --> 00:58:02,260

i've heard home homeopathy homeopathy

1252

00:57:58,570 --> 00:58:06,640

sonia pass use this one science has yet

1253

00:58:02,260 --> 00:58:09,640

to catch up with us isn't that

1254

00:58:06,639 --> 00:58:12,190

fascinating sciences yet to to catch up

1255
00:58:09,639 --> 00:58:15,400
with us especially in homeopathy I think

1256
00:58:12,190 --> 00:58:18,550
we know it works we've seen it work now

1257
00:58:15,400 --> 00:58:21,400
from their point of view absolutely it

1258
00:58:18,550 --> 00:58:25,420
works if you're a homeopath or a Reiki

1259
00:58:21,400 --> 00:58:27,220
practitioner or this sort of thing and I

1260
00:58:25,420 --> 00:58:29,590
give this talk also in relation to

1261
00:58:27,219 --> 00:58:34,509
psychic readings the people who come

1262
00:58:29,590 --> 00:58:36,130
through your door r9 I don't know ninety

1263
00:58:34,510 --> 00:58:38,290
percent ninety-five percent sold on the

1264
00:58:36,130 --> 00:58:39,849
idea before they even step foot in the

1265
00:58:38,289 --> 00:58:41,739
door they they're going there because

1266
00:58:39,849 --> 00:58:45,059
that's the service they want they in

1267
00:58:41,739 --> 00:58:49,750
their mind it works so the practitioner

1268
00:58:45,059 --> 00:58:51,309
let's think about homeopathy we'll sit

1269
00:58:49,750 --> 00:58:52,690
them down have a chat with them right

1270
00:58:51,309 --> 00:58:54,159
out things then

1271
00:58:52,690 --> 00:58:57,400
salmon them somehow look at them

1272
00:58:54,159 --> 00:58:59,500
recommend the remedies they go away when

1273
00:58:57,400 --> 00:59:02,769
the patient comes back they're usually

1274
00:58:59,500 --> 00:59:04,599
feeling better or happier or their

1275
00:59:02,769 --> 00:59:07,179
situation has improved they credit Lee

1276
00:59:04,599 --> 00:59:09,250
homeopathy but homeopath will take this

1277
00:59:07,179 --> 00:59:12,250
on board as validation of what they're

1278
00:59:09,250 --> 00:59:13,568
doing is true this happens again and

1279
00:59:12,250 --> 00:59:16,030
again and again of course they're

1280
00:59:13,568 --> 00:59:17,469
convinced that works I'd be almost

1281
00:59:16,030 --> 00:59:19,060
convinced that works or something like

1282
00:59:17,469 --> 00:59:22,568
that I mean people listen to my podcast

1283

00:59:19,059 --> 00:59:27,219
maybe there are trying to convince me or

1284
00:59:22,568 --> 00:59:32,829
something it's no wonder it's no wonder

1285
00:59:27,219 --> 00:59:36,159
and when they see that the mainstream

1286
00:59:32,829 --> 00:59:39,250
science is doubting this on and now it's

1287
00:59:36,159 --> 00:59:42,309
really really against homeopathy broadly

1288
00:59:39,250 --> 00:59:44,199
speaking how they happen they

1289
00:59:42,309 --> 00:59:47,019
rationalize this well of course it works

1290
00:59:44,199 --> 00:59:49,568
science will catch up one day science

1291
00:59:47,019 --> 00:59:51,940
will validate all these things it has to

1292
00:59:49,568 --> 00:59:56,608
because they know it works but that's an

1293
00:59:51,940 --> 01:00:01,179
interesting mindset another sort of one

1294
00:59:56,608 --> 01:00:03,608
that I've had is people but we can use

1295
01:00:01,179 --> 01:00:05,139
homeopathy agin us I could say look we

1296
01:00:03,608 --> 01:00:08,039
just there's no way that we know can

1297
01:00:05,139 --> 01:00:09,699

possibly work under the current

1298

01:00:08,039 --> 01:00:12,279

understanding of the current laws of

1299

01:00:09,699 --> 01:00:14,289

physics ah current understanding of the

1300

01:00:12,280 --> 01:00:16,119

laws of physics well when we understand

1301

01:00:14,289 --> 01:00:20,230

physics more you'll see how it works and

1302

01:00:16,119 --> 01:00:21,940

I get things like well to our ancestors

1303

01:00:20,230 --> 01:00:25,800

200 years ago television would have

1304

01:00:21,940 --> 01:00:28,900

looked like magic too but it's a false

1305

01:00:25,800 --> 01:00:31,359

analogy I think technical television

1306

01:00:28,900 --> 01:00:33,068

isn't magic its science we know how it

1307

01:00:31,358 --> 01:00:35,049

works I yes but then in two hundred

1308

01:00:33,068 --> 01:00:37,509

years or in 50 years science will

1309

01:00:35,050 --> 01:00:42,310

discover that it's the same thing with

1310

01:00:37,510 --> 01:00:43,569

homeopathy so I'll run a wrap up quickly

1311

01:00:42,309 --> 01:00:47,900

I don't know how much time I've got left

1312
01:00:43,568 --> 01:00:50,940
a few minutes your apartment support

1313
01:00:47,900 --> 01:00:52,800
that's that's fun if you have a quick

1314
01:00:50,940 --> 01:01:04,769
question now great otherwise we can have

1315
01:00:52,800 --> 01:01:08,280
a chat outside yes sufficiently advanced

1316
01:01:04,769 --> 01:01:09,420
technology absolutely radius arthur c

1317
01:01:08,280 --> 01:01:14,430
clarke said that yeah that's probably

1318
01:01:09,420 --> 01:01:16,650
where it's would come from yeah yeah

1319
01:01:14,429 --> 01:01:18,299
absolutely i think so welcome terry

1320
01:01:16,650 --> 01:01:21,000
pratchett said that a sufficiently

1321
01:01:18,300 --> 01:01:23,789
advanced magic is indistinguishable it

1322
01:01:21,000 --> 01:01:25,440
seems yeah so I'm sort of thinking I

1323
01:01:23,789 --> 01:01:27,840
think well thank you very much folks are

1324
01:01:25,440 --> 01:01:30,929
the skeptics own podcasters can be found

1325
01:01:27,840 --> 01:01:33,660
at skeptic zone TV my twitter is at

1326
01:01:30,929 --> 01:01:37,039
skeptical zone and i'll be happy to chat

1327
01:01:33,659 --> 01:01:37,039
with you a bit later on thank you

1328
01:01:49,130 --> 01:01:56,460
Australian skeptics Sydney dinner autism

1329
01:01:52,710 --> 01:01:59,519
myth and reality there are a few medical

1330
01:01:56,460 --> 01:02:04,260
conditions as widely misrepresented as

1331
01:01:59,519 --> 01:02:07,889
autism spectrum disorder asd conspiracy

1332
01:02:04,260 --> 01:02:10,650
theories myths and amateur diagnosis

1333
01:02:07,889 --> 01:02:13,259
abound confusing those who seek to know

1334
01:02:10,650 --> 01:02:16,108
the reality and the latest science based

1335
01:02:13,260 --> 01:02:17,900
thinking on this condition the next

1336
01:02:16,108 --> 01:02:20,819
Sydney skeptics dinner will be on the

1337
01:02:17,900 --> 01:02:23,280
twentieth of June and will feature

1338
01:02:20,820 --> 01:02:26,700
Nicole Rogerson the founding director

1339
01:02:23,280 --> 01:02:29,340
and CEO of autism awareness Australia a

1340

01:02:26,699 --> 01:02:32,279
national not-for-profit organization

1341
01:02:29,340 --> 01:02:34,440
which she set up in 2007 Nicole is a

1342
01:02:32,280 --> 01:02:37,650
frequent speaker on autism in the media

1343
01:02:34,440 --> 01:02:39,480
and in 2011 she was asked to present the

1344
01:02:37,650 --> 01:02:42,090
work created for autism awareness

1345
01:02:39,480 --> 01:02:44,550
Australia at the UN where the

1346
01:02:42,090 --> 01:02:46,980
organization was inducted as a member

1347
01:02:44,550 --> 01:02:49,440
NGO Nicole said on the federal

1348
01:02:46,980 --> 01:02:52,139
government's autism advisory board and

1349
01:02:49,440 --> 01:02:54,079
continues to work for better access and

1350
01:02:52,139 --> 01:02:56,730
government support for evidence-based

1351
01:02:54,079 --> 01:02:59,579
intensive early intervention programs

1352
01:02:56,730 --> 01:03:00,969
for children with autism no one will

1353
01:02:59,579 --> 01:03:04,539
give you a better understand

1354
01:03:00,969 --> 01:03:05,829

of the myths and reality of autism the

1355

01:03:04,539 --> 01:03:08,259
dinner will be held at the ride

1356

01:03:05,829 --> 01:03:10,358
Eastwood's leagues club west ryde

1357

01:03:08,260 --> 01:03:14,849
tickets are only fifty dollars including

1358

01:03:10,358 --> 01:03:17,920
a buffet dinner bookings now via ww

1359

01:03:14,849 --> 01:03:19,420
skeptics comte you the Australian

1360

01:03:17,920 --> 01:03:21,909
skeptics dinners in Sydney have been

1361

01:03:19,420 --> 01:03:23,470
going for many years now and I encourage

1362

01:03:21,909 --> 01:03:25,868
your skeptic zone listeners in the

1363

01:03:23,469 --> 01:03:28,269
sydney area to book your ticket quick

1364

01:03:25,869 --> 01:03:32,550
come along and enjoy this very

1365

01:03:28,269 --> 01:03:32,550
interesting evening and a great dinner

1366

01:03:48,769 --> 01:03:53,730
thank you for listening to the skeptic

1367

01:03:51,210 --> 01:03:56,280
zone this week and I don't forget you

1368

01:03:53,730 --> 01:04:00,570
can now officially here is if you use

1369
01:03:56,280 --> 01:04:02,430
the stitcher application and thanks to

1370
01:04:00,570 --> 01:04:05,220
Joe alabaster for her report this week

1371
01:04:02,429 --> 01:04:08,639
thank you Joe I do appreciate that when

1372
01:04:05,219 --> 01:04:10,049
my reporters send me such good work and

1373
01:04:08,639 --> 01:04:11,309
the fact they always and we could work

1374
01:04:10,050 --> 01:04:13,530
what am I talking about of course they

1375
01:04:11,309 --> 01:04:16,369
do don't forget if you're coming to the

1376
01:04:13,530 --> 01:04:19,080
amazing meeting in Las Vegas next month

1377
01:04:16,369 --> 01:04:20,339
please come by and say hello I'd love to

1378
01:04:19,079 --> 01:04:22,739
have a chat with you love to catch up

1379
01:04:20,340 --> 01:04:25,559
with skeptics own fans from all around

1380
01:04:22,739 --> 01:04:28,429
the world always a good time and it'll

1381
01:04:25,559 --> 01:04:30,719
be a good time to to properly

1382
01:04:28,429 --> 01:04:33,109
acknowledged the life and the work of

1383
01:04:30,719 --> 01:04:36,359
James Randi i am looking forward to that

1384
01:04:33,110 --> 01:04:37,980
now before i go if you have a skeptical

1385
01:04:36,360 --> 01:04:40,230
event anywhere around the world or a

1386
01:04:37,980 --> 01:04:42,599
skeptical group and you'd like more

1387
01:04:40,230 --> 01:04:44,789
people to hear about it drop me a line

1388
01:04:42,599 --> 01:04:47,309
let's go to skeptics and TV go to the

1389
01:04:44,789 --> 01:04:50,759
contacts page and you can drop me a line

1390
01:04:47,309 --> 01:04:52,769
there tell me about it and if it's

1391
01:04:50,760 --> 01:04:56,340
something I think is worthwhile then we

1392
01:04:52,769 --> 01:04:58,259
can organize for a short 30 second ad to

1393
01:04:56,340 --> 01:05:01,260
be played on the skeptic zone and I do

1394
01:04:58,260 --> 01:05:03,540
that for free I do that as part of the

1395
01:05:01,260 --> 01:05:06,390
fluff Sofia the skeptics own to help

1396
01:05:03,539 --> 01:05:07,920
promote what we do around the world and

1397

01:05:06,389 --> 01:05:10,980
as you know by listening to the zone i

1398
01:05:07,920 --> 01:05:13,139
always play promotions for people from

1399
01:05:10,980 --> 01:05:15,360
all all corners of the world all six

1400
01:05:13,139 --> 01:05:17,069
corners figure that one out but from

1401
01:05:15,360 --> 01:05:18,559
this corner of the world from Sydney

1402
01:05:17,070 --> 01:05:25,620
Australia this is Richard Saunders

1403
01:05:18,559 --> 01:05:28,139
signing off you've been listening to the

1404
01:05:25,619 --> 01:05:32,009
skeptics own podcast visit our website

1405
01:05:28,139 --> 01:05:35,279
at wwc a petting zoo TV for contacts and

1406
01:05:32,010 --> 01:05:38,430
archive of all episodes since 2008 and

1407
01:05:35,280 --> 01:05:40,470
our online store please support the

1408
01:05:38,429 --> 01:05:43,829
skeptic zone by following us on twitter

1409
01:05:40,469 --> 01:05:47,369
at skeptic zone liking us on facebook

1410
01:05:43,829 --> 01:05:48,869
and leaving a review on iTunes you can

1411
01:05:47,369 --> 01:05:52,679

also show your support by subscribing

1412

01:05:48,869 --> 01:05:53,400

via paypal for as little as 99 cents a

1413

01:05:52,679 --> 01:05:55,739

week

1414

01:05:53,400 --> 01:05:57,360

the skeptic zone is an independent

1415

01:05:55,739 --> 01:05:59,819

production the views and opinions

1416

01:05:57,360 --> 01:06:01,410

expressed on the skeptic zone and not

1417

01:05:59,820 --> 01:06:04,289

necessarily those of Australian

1418

01:06:01,409 --> 01:06:07,099

skeptical or any other skeptical

1419

01:06:04,289 --> 01:06:07,099

organization