

1  
00:00:06,129 --> 00:00:13,679  
welcome to the skeptic zone the podcast

2  
00:00:09,099 --> 00:00:13,679  
from Australia for science and reason

3  
00:00:22,338 --> 00:00:28,348  
hello and welcome to the skeptic zone

4  
00:00:25,050 --> 00:00:31,618  
episode number 286 for the 13th of april

5  
00:00:28,349 --> 00:00:35,460  
2014 Richard Saunders here with you from

6  
00:00:31,618 --> 00:00:37,908  
Sydney Australia and yes it's a world

7  
00:00:35,460 --> 00:00:40,518  
homeopathy Awareness Week are you aware

8  
00:00:37,908 --> 00:00:42,808  
my friends are you aware of homeopathy

9  
00:00:40,518 --> 00:00:45,478  
well if you listen to this show I guess

10  
00:00:42,808 --> 00:00:47,640  
you probably are we're going to start

11  
00:00:45,478 --> 00:00:50,820  
with the press release from Australian

12  
00:00:47,640 --> 00:00:54,570  
skeptics including quotes from well me

13  
00:00:50,820 --> 00:00:56,868  
about the recent National Health and

14  
00:00:54,570 --> 00:00:59,070  
Medical Research Council draft

15  
00:00:56,868 --> 00:01:00,689  
information paper on the effectiveness

16  
00:00:59,070 --> 00:01:04,588  
of homeopathy in fact a lot of the show

17  
00:01:00,689 --> 00:01:06,688  
concerns a this draft paper needless to

18  
00:01:04,588 --> 00:01:09,959  
say the draft paper came down heavily

19  
00:01:06,688 --> 00:01:11,789  
against homeopathy no good evidence to

20  
00:01:09,959 --> 00:01:14,219  
suggest it actually works but we go into

21  
00:01:11,790 --> 00:01:17,340  
that after that press release we have a

22  
00:01:14,219 --> 00:01:19,769  
guest read as it were Lauren Cochrane

23  
00:01:17,340 --> 00:01:21,960  
the president of Canberra skeptics is

24  
00:01:19,769 --> 00:01:25,829  
going to read the information from a new

25  
00:01:21,959 --> 00:01:27,239  
website homeopathy Awareness Week very

26  
00:01:25,829 --> 00:01:29,849  
good information there this is from the

27  
00:01:27,239 --> 00:01:31,679  
UK I think you'll enjoy it after that we

28  
00:01:29,849 --> 00:01:33,869  
have a clip from the project the project

29

00:01:31,680 --> 00:01:35,940  
is a wonderful TV show here in Australia

30  
00:01:33,870 --> 00:01:38,250  
on the Ten Network it's on every

31  
00:01:35,939 --> 00:01:39,870  
weeknight I i can recommend a dr. ray

32  
00:01:38,250 --> 00:01:42,500  
she appears on the project from time to

33  
00:01:39,870 --> 00:01:45,719  
time and this is a short debate between

34  
00:01:42,500 --> 00:01:49,159  
professor john dwyer and australian

35  
00:01:45,719 --> 00:01:52,519  
homeopathic associations Anna Lamar oh I

36  
00:01:49,159 --> 00:01:55,049  
think you'll find it Tim educational

37  
00:01:52,519 --> 00:01:57,899  
after that it's an opinion piece written

38  
00:01:55,049 --> 00:02:00,840  
by dr. ken harvey we can't have it both

39  
00:01:57,900 --> 00:02:04,350  
ways on homeopathy and after that

40  
00:02:00,840 --> 00:02:07,350  
another guest read by Joe alabasta with

41  
00:02:04,349 --> 00:02:10,530  
news on the better health channels web

42  
00:02:07,349 --> 00:02:13,348  
site that was promoting homeopathy I

43  
00:02:10,530 --> 00:02:16,830

mentioned it last week and finally to

44

00:02:13,348 --> 00:02:19,408

wrap up our homeopathy section I read

45

00:02:16,830 --> 00:02:21,360

the press release from homeopathy plus

46

00:02:19,408 --> 00:02:24,019

well why not listen to what the other

47

00:02:21,360 --> 00:02:26,040

side have to say about this whole affair

48

00:02:24,019 --> 00:02:27,028

following that it's a week in science

49

00:02:26,039 --> 00:02:29,188

from our good friends at the Royal

50

00:02:27,028 --> 00:02:29,669

Institution of Australia where you can

51

00:02:29,188 --> 00:02:33,359

buy

52

00:02:29,669 --> 00:02:36,059

homeopathic beer www are I a u.s. dog

53

00:02:33,360 --> 00:02:37,250

done a you i really enjoy a week in

54

00:02:36,060 --> 00:02:41,129

science and judging by your

55

00:02:37,250 --> 00:02:43,860

correspondence so do you and a round off

56

00:02:41,129 --> 00:02:47,669

the show dr. Rachel reports dr. Rachel

57

00:02:43,860 --> 00:02:49,830

Dunlop with a look into a recent study

58  
00:02:47,669 --> 00:02:53,458  
into acupuncture in the emergency room

59  
00:02:49,830 --> 00:02:55,590  
and hospitals sort of a study well

60  
00:02:53,459 --> 00:02:59,069  
you'll find out more at the end of the

61  
00:02:55,590 --> 00:03:01,469  
show oh I wish I wish folks I wish I was

62  
00:02:59,068 --> 00:03:04,289  
in Manchester at the moment as I record

63  
00:03:01,469 --> 00:03:06,300  
this as I record this lots of weary

64  
00:03:04,289 --> 00:03:09,298  
skeptics are waking up for day two of

65  
00:03:06,300 --> 00:03:11,340  
QED question explore discover the

66  
00:03:09,299 --> 00:03:12,629  
wonderful conference wonderful skeptical

67  
00:03:11,340 --> 00:03:14,849  
conference there in Manchester I know

68  
00:03:12,629 --> 00:03:16,859  
lots of my friends are there including

69  
00:03:14,849 --> 00:03:20,699  
our Susan go back from guerrilla

70  
00:03:16,860 --> 00:03:22,380  
skepticism and a rancid give part time

71  
00:03:20,699 --> 00:03:23,759  
reporter for the skeptic zone he's there

72  
00:03:22,379 --> 00:03:25,530  
running about with his microphone

73  
00:03:23,759 --> 00:03:27,268  
pretending to be Maynard I guess and

74  
00:03:25,530 --> 00:03:29,669  
he's going to be sending lots of good

75  
00:03:27,269 --> 00:03:31,590  
interviews from people attending QED

76  
00:03:29,669 --> 00:03:33,119  
looking forward to that now if all we

77  
00:03:31,590 --> 00:03:35,549  
get stuck into the show a couple of

78  
00:03:33,120 --> 00:03:38,579  
announcements those people living in

79  
00:03:35,549 --> 00:03:41,340  
Brisbane or in Queensland well let's

80  
00:03:38,579 --> 00:03:43,829  
face it anywhere in australia Brisbane

81  
00:03:41,340 --> 00:03:46,500  
skeptic amp Brisbane skeptic camp will

82  
00:03:43,829 --> 00:03:49,890  
be held on the 19th of july at hamilton

83  
00:03:46,500 --> 00:03:52,379  
town hall skeptic amp is always a good

84  
00:03:49,889 --> 00:03:54,389  
time no matter where it is and you can

85  
00:03:52,379 --> 00:03:58,310  
find more about Brisbane skeptic camp at

86

00:03:54,389 --> 00:04:02,268  
bri's skeptic camp dog or just google

87  
00:03:58,310 --> 00:04:04,590  
brisbane skippy camp 19th of july and

88  
00:04:02,269 --> 00:04:07,140  
another group of people doing some good

89  
00:04:04,590 --> 00:04:09,629  
work and know how to have fun the

90  
00:04:07,139 --> 00:04:10,919  
Canberra skeptics oh yes camera skeptics

91  
00:04:09,629 --> 00:04:14,459  
if you live in the Canberra the

92  
00:04:10,919 --> 00:04:16,439  
Australian Capital Territory area Google

93  
00:04:14,459 --> 00:04:20,129  
Canberra skeptics or visit Canberra

94  
00:04:16,439 --> 00:04:22,560  
skeptic saw a you they have frequent

95  
00:04:20,129 --> 00:04:25,709  
free public talks and other social

96  
00:04:22,560 --> 00:04:28,350  
events and not forgetting our friends in

97  
00:04:25,709 --> 00:04:31,888  
Victoria the Victorian skeptics Vic

98  
00:04:28,350 --> 00:04:35,100  
skeptics wordpress com also lots of

99  
00:04:31,889 --> 00:04:36,930  
information there public events visit

100  
00:04:35,100 --> 00:04:39,120

their website if you live in the

101

00:04:36,930 --> 00:04:41,788

melbourne area but that's enough for me

102

00:04:39,120 --> 00:04:43,560

it's time for me to run downstairs make

103

00:04:41,788 --> 00:04:45,539

sure that there's still plenty of

104

00:04:43,560 --> 00:04:47,280

nice cat food for Fred who was

105

00:04:45,540 --> 00:04:51,689

complaining the other day because I fed

106

00:04:47,279 --> 00:04:54,509

him chicken mince Oh big mistake oh he

107

00:04:51,689 --> 00:04:56,910

let me know beef mince yes yes he told

108

00:04:54,509 --> 00:04:59,550

me I can read can't you see you look at

109

00:04:56,910 --> 00:05:01,590

these bowl and said I make sure I've got

110

00:04:59,550 --> 00:05:05,210

some beef mince for Fred the cat while

111

00:05:01,589 --> 00:05:05,209

you enjoy the skeptics

112

00:05:23,788 --> 00:05:29,550

Australian skeptics media release

113

00:05:25,930 --> 00:05:33,060

published at ww skeptics calm day you

114

00:05:29,550 --> 00:05:36,310

April the 9 2014 it's official

115  
00:05:33,060 --> 00:05:37,360  
homeopathy doesn't work the National

116  
00:05:36,310 --> 00:05:39,610  
Health and Medical Research Council

117  
00:05:37,360 --> 00:05:42,550  
draft information on the effectiveness

118  
00:05:39,610 --> 00:05:44,949  
of homeopathy finds that quote there is

119  
00:05:42,550 --> 00:05:46,930  
no reliable evidence that homeopathy is

120  
00:05:44,949 --> 00:05:49,210  
effective for treating health conditions

121  
00:05:46,930 --> 00:05:51,250  
and quote this is the view that

122  
00:05:49,209 --> 00:05:54,069  
Australian skeptics have been preparing

123  
00:05:51,250 --> 00:05:57,639  
for some time and thus thoroughly

124  
00:05:54,069 --> 00:06:00,430  
endorses quote it is especially timely

125  
00:05:57,639 --> 00:06:02,530  
during homeopathy Awareness Week here to

126  
00:06:00,430 --> 00:06:04,509  
start on the tenth of April though the

127  
00:06:02,529 --> 00:06:07,329  
findings might not reflect the type of

128  
00:06:04,509 --> 00:06:09,490  
awareness that the homeopathy industry

129  
00:06:07,329 --> 00:06:13,089  
would want end quote said skeptics

130  
00:06:09,490 --> 00:06:15,990  
President Richard Saunders the NHMRC

131  
00:06:13,089 --> 00:06:19,149  
draft report released on april nine

132  
00:06:15,990 --> 00:06:21,848  
repeatedly says that studies claim to

133  
00:06:19,149 --> 00:06:25,899  
support the efficacy of homeopathy are

134  
00:06:21,848 --> 00:06:28,629  
unreliable not good quality in terms of

135  
00:06:25,899 --> 00:06:32,408  
design and practice or too few

136  
00:06:28,629 --> 00:06:34,658  
participants or both quote based on all

137  
00:06:32,408 --> 00:06:36,728  
the evidence considered there were no

138  
00:06:34,658 --> 00:06:39,279  
health conditions for which there was a

139  
00:06:36,728 --> 00:06:40,990  
reliable evidence that homeopathy was

140  
00:06:39,279 --> 00:06:44,168  
effective and quote the report says

141  
00:06:40,990 --> 00:06:46,569  
quote no good quality well-designed

142  
00:06:44,168 --> 00:06:48,639  
studies with enough participants for a

143

00:06:46,569 --> 00:06:50,408  
meaningful result reported either that

144  
00:06:48,639 --> 00:06:53,620  
homeopathy caused greater health

145  
00:06:50,408 --> 00:06:55,538  
improvements and a placebo or caused

146  
00:06:53,620 --> 00:06:58,598  
health improvements equal to those of

147  
00:06:55,538 --> 00:07:02,468  
other treatments end quote the draft

148  
00:06:58,598 --> 00:07:05,110  
report concludes that point people who

149  
00:07:02,468 --> 00:07:07,300  
chose homeopathy instead of proven

150  
00:07:05,110 --> 00:07:09,310  
conventional treatments may put their

151  
00:07:07,300 --> 00:07:11,800  
health at risk if safe and effective

152  
00:07:09,310 --> 00:07:14,019  
evidence-based treatments are rejected

153  
00:07:11,800 --> 00:07:17,770  
or delayed in favour of homeopathic

154  
00:07:14,019 --> 00:07:19,509  
treatment point homeopathy should not be

155  
00:07:17,769 --> 00:07:23,049  
used to treat health conditions that are

156  
00:07:19,509 --> 00:07:24,939  
serious or could become serious point

157  
00:07:23,050 --> 00:07:27,069

people who are considering

158

00:07:24,939 --> 00:07:30,969

whether to use homeopathy should first

159

00:07:27,069 --> 00:07:33,189

get advice from a health professional GP

160

00:07:30,970 --> 00:07:36,310

specialist nurse practitioner or

161

00:07:33,189 --> 00:07:38,439

pharmacist those who use homeopathy

162

00:07:36,310 --> 00:07:41,139

should tell their health professionals

163

00:07:38,439 --> 00:07:43,889

and should keep taking any conventional

164

00:07:41,139 --> 00:07:46,509

medicines that they have been prescribed

165

00:07:43,889 --> 00:07:48,789

professor Rob Morrison professorial

166

00:07:46,509 --> 00:07:50,680

fellow and the school of education at

167

00:07:48,790 --> 00:07:52,900

Flinders University in South Australia

168

00:07:50,680 --> 00:07:56,500

and vice president of friends of science

169

00:07:52,899 --> 00:07:59,079

in medicine said that quote the draft

170

00:07:56,500 --> 00:08:01,420

paper is welcome if belated as other

171

00:07:59,079 --> 00:08:03,759

advanced countries concerned about the

172  
00:08:01,420 --> 00:08:06,069  
useless treatments that waste taxpayers

173  
00:08:03,759 --> 00:08:08,649  
money have long ago reached the same

174  
00:08:06,069 --> 00:08:11,620  
convincing conclusion that homeopathy is

175  
00:08:08,649 --> 00:08:13,329  
among them politicians agonize about the

176  
00:08:11,620 --> 00:08:15,639  
burgeoning costs of health care in

177  
00:08:13,329 --> 00:08:17,740  
Australia and subscriptions to health

178  
00:08:15,639 --> 00:08:19,599  
funds are climbing out of the reach for

179  
00:08:17,740 --> 00:08:21,699  
many you have to wonder why well

180  
00:08:19,600 --> 00:08:23,530  
research reports of this kind which

181  
00:08:21,699 --> 00:08:25,209  
clearly distinguish between health

182  
00:08:23,529 --> 00:08:27,819  
treatments which work and those that

183  
00:08:25,209 --> 00:08:30,039  
don't and which could save millions of

184  
00:08:27,819 --> 00:08:32,918  
dollars spent on useless treatments are

185  
00:08:30,040 --> 00:08:35,830  
so few and far between the report might

186  
00:08:32,918 --> 00:08:39,038  
also have included a section to show

187  
00:08:35,830 --> 00:08:41,020  
that if homeopathy actually did work the

188  
00:08:39,038 --> 00:08:43,120  
well established scientific validity

189  
00:08:41,019 --> 00:08:46,389  
principles of chemistry physics

190  
00:08:43,120 --> 00:08:49,450  
physiology and pharmacology must all be

191  
00:08:46,389 --> 00:08:52,029  
wrong and quote saunders added that

192  
00:08:49,450 --> 00:08:54,610  
quote for many years we have pointed out

193  
00:08:52,029 --> 00:08:57,159  
the problems with the evidence for

194  
00:08:54,610 --> 00:09:00,430  
homeopathy and despite the best efforts

195  
00:08:57,159 --> 00:09:03,579  
of homeopathy boosters the practice

196  
00:09:00,429 --> 00:09:07,089  
remains one area where we can say with

197  
00:09:03,580 --> 00:09:11,800  
confidence that good evidence just does

198  
00:09:07,090 --> 00:09:14,740  
not exist end quote in 2012 the skeptics

199  
00:09:11,799 --> 00:09:17,379  
issued its annual bent spoon award to

200

00:09:14,740 --> 00:09:20,950  
the homeopathy + organization and its

201  
00:09:17,379 --> 00:09:23,019  
founder fran sheffield for continued

202  
00:09:20,950 --> 00:09:26,879  
promotion of some of the most ludicrous

203  
00:09:23,019 --> 00:09:29,139  
claims of an already ludicrous product

204  
00:09:26,879 --> 00:09:31,899  
australia's consumer watchdog the a

205  
00:09:29,139 --> 00:09:33,939  
triple c describes some of those claims

206  
00:09:31,899 --> 00:09:37,569  
regarding homeopathic treatment of

207  
00:09:33,940 --> 00:09:38,170  
whooping cough as misleading and

208  
00:09:37,570 --> 00:09:43,000  
deceptive

209  
00:09:38,169 --> 00:09:44,979  
if the NHMRC says it is quote concerned

210  
00:09:43,000 --> 00:09:47,559  
that unconventional products and

211  
00:09:44,980 --> 00:09:50,350  
procedures are often promoted to improve

212  
00:09:47,559 --> 00:09:53,138  
people's health where there is little or

213  
00:09:50,350 --> 00:09:55,509  
no evidence of their benefit except for

214  
00:09:53,139 --> 00:09:57,459

the benefits people experience when they

215

00:09:55,509 --> 00:10:00,970

believe that the treatment is effective

216

00:09:57,458 --> 00:10:03,399

the placebo effect sometimes patients

217

00:10:00,970 --> 00:10:05,110

may be misled into rejecting practices

218

00:10:03,399 --> 00:10:07,720

and treatments that are proven to be

219

00:10:05,110 --> 00:10:09,879

effective and quoted some of the

220

00:10:07,720 --> 00:10:13,149

conditions that proponents of homeopathy

221

00:10:09,879 --> 00:10:16,778

claim can be treated include HIV

222

00:10:13,149 --> 00:10:20,110

infection ADHD asthma depression acute

223

00:10:16,778 --> 00:10:22,509

trauma malaria or even heroin addiction

224

00:10:20,110 --> 00:10:25,629

for none of these conditions as well as

225

00:10:22,509 --> 00:10:27,970

many others did the NHMRC find any

226

00:10:25,629 --> 00:10:30,490

reliable supporting evidence that

227

00:10:27,970 --> 00:10:33,820

homeopathic treatment was any better

228

00:10:30,490 --> 00:10:36,389

than placebo or that the evidence wasn't

229  
00:10:33,820 --> 00:10:39,670  
even good enough to make that claim

230  
00:10:36,389 --> 00:10:42,909  
Saunders said that quote overall the

231  
00:10:39,669 --> 00:10:45,278  
NHMRC draft report supports the view

232  
00:10:42,909 --> 00:10:47,379  
held by Australian skeptics and by

233  
00:10:45,278 --> 00:10:51,820  
skeptics groups around the world for

234  
00:10:47,379 --> 00:10:55,059  
many years it just doesn't work end

235  
00:10:51,820 --> 00:10:56,829  
quote quote we therefore a firm and

236  
00:10:55,059 --> 00:10:59,528  
support the findings and we encourage

237  
00:10:56,828 --> 00:11:02,379  
the various related government bodies to

238  
00:10:59,528 --> 00:11:04,389  
act on the findings accordingly our aim

239  
00:11:02,379 --> 00:11:07,360  
is to see the public protected from

240  
00:11:04,389 --> 00:11:09,220  
misleading claims hopefully this draft

241  
00:11:07,360 --> 00:11:13,839  
report is one positive step in that

242  
00:11:09,220 --> 00:11:15,300  
direction and quote the NHMRC is also

243

00:11:13,839 --> 00:11:17,050

looking into the funding of

244

00:11:15,299 --> 00:11:18,789

complementary medicine through the

245

00:11:17,049 --> 00:11:21,490

government's support of health funds and

246

00:11:18,789 --> 00:11:24,939

this report on homeopathy should feed

247

00:11:21,490 --> 00:11:26,860

into that professor john dwyer emeritus

248

00:11:24,940 --> 00:11:28,600

professor of medicine at the University

249

00:11:26,860 --> 00:11:30,909

of New South Wales and president of

250

00:11:28,600 --> 00:11:33,310

friends of science and medicine said

251

00:11:30,909 --> 00:11:34,870

that quote homeopathic preparations

252

00:11:33,309 --> 00:11:37,299

should not be available in our

253

00:11:34,870 --> 00:11:39,339

pharmacies no private health insurer

254

00:11:37,299 --> 00:11:42,399

should provide any rebate for homeopathy

255

00:11:39,339 --> 00:11:44,350

and those few universities that lower

256

00:11:42,399 --> 00:11:46,419

our scientific standards by providing

257

00:11:44,350 --> 00:11:48,909  
credibility for homeopathy in their

258  
00:11:46,419 --> 00:11:51,578  
health courses should cease doing so

259  
00:11:48,909 --> 00:11:51,909  
immediately Australians can save more

260  
00:11:51,578 --> 00:11:54,009  
than

261  
00:11:51,909 --> 00:11:56,709  
million precious health care dollars a

262  
00:11:54,009 --> 00:11:58,990  
year by accepting the advice in this

263  
00:11:56,710 --> 00:12:00,820  
report we await now for the chief

264  
00:11:58,990 --> 00:12:03,460  
medical officer's report to government

265  
00:12:00,820 --> 00:12:05,500  
on a range of other unscientific

266  
00:12:03,460 --> 00:12:09,040  
modalities that are likely to be

267  
00:12:05,500 --> 00:12:10,899  
assessed as being equally useless it is

268  
00:12:09,039 --> 00:12:12,459  
more important than ever the credible

269  
00:12:10,899 --> 00:12:15,009  
scientific evidence of clinical

270  
00:12:12,460 --> 00:12:18,930  
effectiveness underpins our delivery of

271  
00:12:15,009 --> 00:12:18,929

health care end quote

272

00:12:27,299 --> 00:12:32,069

this is Lauren Cochrane president of

273

00:12:29,580 --> 00:12:35,610

Canberra skeptics from homeopathy

274

00:12:32,070 --> 00:12:37,440

Awareness Week Torg homeopathy Awareness

275

00:12:35,610 --> 00:12:39,810

Week takes place internationally from

276

00:12:37,440 --> 00:12:42,330

April 10 to 16 and is aimed at raising

277

00:12:39,809 --> 00:12:44,399

awareness of homeopathic remedies each

278

00:12:42,330 --> 00:12:46,230

year homeopaths from around the world

279

00:12:44,399 --> 00:12:48,720

use this week to promote their practice

280

00:12:46,230 --> 00:12:50,820

and gain publicity yet public awareness

281

00:12:48,720 --> 00:12:53,820

of the realities of homeopathy remain

282

00:12:50,820 --> 00:12:56,250

low for example many people mistakenly

283

00:12:53,820 --> 00:12:58,320

believe homeopathic products are a form

284

00:12:56,250 --> 00:13:00,299

of herbal products not realizing that

285

00:12:58,320 --> 00:13:03,089

homeopathic products typically contain

286  
00:13:00,299 --> 00:13:04,949  
no active ingredients at all over two

287  
00:13:03,089 --> 00:13:07,140  
centuries ago the first home you pass

288  
00:13:04,950 --> 00:13:09,000  
perversely decided the diluting an

289  
00:13:07,139 --> 00:13:11,100  
active medicinal ingredient makes it

290  
00:13:09,000 --> 00:13:12,799  
more potent with the vast majority of

291  
00:13:11,100 --> 00:13:15,420  
remedies containing nothing at all

292  
00:13:12,799 --> 00:13:18,000  
modern homeopathic tablets are generally

293  
00:13:15,419 --> 00:13:20,819  
100% sugar containing no active

294  
00:13:18,000 --> 00:13:23,009  
ingredient whatsoever as part of world

295  
00:13:20,820 --> 00:13:24,870  
homeopathy Awareness Week we would like

296  
00:13:23,009 --> 00:13:29,458  
to raise awareness of 12 key points

297  
00:13:24,870 --> 00:13:30,570  
about homeopathy one in 2010 the UK

298  
00:13:29,458 --> 00:13:32,879  
government Science and Technology

299  
00:13:30,570 --> 00:13:34,820  
Committee analyzed the research into

300  
00:13:32,879 --> 00:13:37,409  
homeopathy and concluded that

301  
00:13:34,820 --> 00:13:40,079  
homeopathic products perform no better

302  
00:13:37,409 --> 00:13:41,669  
than placebos this conclusion was backed

303  
00:13:40,078 --> 00:13:43,500  
up this week in a review by the

304  
00:13:41,669 --> 00:13:46,409  
Australian national health and medical

305  
00:13:43,500 --> 00:13:48,149  
research council with many homeopaths

306  
00:13:46,409 --> 00:13:50,939  
claiming their pills can treat serious

307  
00:13:48,149 --> 00:13:54,750  
illnesses homeopathy is a dangerous

308  
00:13:50,940 --> 00:13:56,700  
placebo to when Penelope Dingle chose to

309  
00:13:54,750 --> 00:13:58,230  
take the advice of her homeopath husband

310  
00:13:56,700 --> 00:14:00,450  
and treat her rectal cancer with

311  
00:13:58,230 --> 00:14:02,970  
homeopathic remedies the results were

312  
00:14:00,450 --> 00:14:05,278  
tragic her death was according to the

313  
00:14:02,970 --> 00:14:07,980  
coroner the result of being influenced

314

00:14:05,278 --> 00:14:10,078  
by misinformation and bad science there

315  
00:14:07,980 --> 00:14:14,490  
are real dangers in using homeopathy in

316  
00:14:10,078 --> 00:14:17,370  
place of real medicine 3 homeopathy is

317  
00:14:14,490 --> 00:14:19,079  
big business the homeopathic industry is

318  
00:14:17,370 --> 00:14:22,320  
highly profitable for companies like

319  
00:14:19,078 --> 00:14:25,319  
boiron were leader and nelson's the UK

320  
00:14:22,320 --> 00:14:28,199  
homeopathic market is estimated at 213

321  
00:14:25,320 --> 00:14:31,649  
million pounds per year comparable to

322  
00:14:28,198 --> 00:14:33,240  
the u.s. France and Germany all of this

323  
00:14:31,649 --> 00:14:35,039  
for treatments which have not yet been

324  
00:14:33,240 --> 00:14:40,169  
proven to be any more effective than

325  
00:14:35,039 --> 00:14:40,769  
placebo for in 2010 the NHS spent around

326  
00:14:40,169 --> 00:14:43,469  
form

327  
00:14:40,769 --> 00:14:44,789  
million pounds on homeopathy this money

328  
00:14:43,470 --> 00:14:47,459

could instead be spent providing

329

00:14:44,789 --> 00:14:49,948

effective treatments vital surgery and

330

00:14:47,458 --> 00:14:51,178

additional nursing staff with NHS

331

00:14:49,948 --> 00:14:53,428

budgets under increasing pressure

332

00:14:51,178 --> 00:14:55,769

wasting money by giving sugar pills to

333

00:14:53,428 --> 00:14:57,688

the sick is unjustifiable according to

334

00:14:55,769 --> 00:14:59,519

the 2010 UK government science and

335

00:14:57,688 --> 00:15:00,958

technology committee the government

336

00:14:59,519 --> 00:15:05,459

should stop allowing the funding of

337

00:15:00,958 --> 00:15:07,349

homeopathy on the NHS 5 in 2012 by

338

00:15:05,458 --> 00:15:09,328

unsettled a class-action lawsuit over

339

00:15:07,350 --> 00:15:12,239

their popular oscilloscope canim

340

00:15:09,328 --> 00:15:13,979

homeopathic remedy for colds and flu or

341

00:15:12,239 --> 00:15:15,629

unclaimed that the remedy is made from

342

00:15:13,980 --> 00:15:18,028

the heart and liver of a single duck

343  
00:15:15,629 --> 00:15:19,499  
given that the ultra dilute remedy

344  
00:15:18,028 --> 00:15:21,749  
contains nothing at all of the original

345  
00:15:19,499 --> 00:15:24,178  
duck and generates over 20 million

346  
00:15:21,749 --> 00:15:29,790  
dollars worth revenue it has to be the

347  
00:15:24,178 --> 00:15:31,678  
ultimate quack remedy 6 even now groups

348  
00:15:29,789 --> 00:15:33,269  
such as homeopaths without borders are

349  
00:15:31,678 --> 00:15:35,159  
currently offering ineffective

350  
00:15:33,269 --> 00:15:37,980  
homeopathic treatments in the developing

351  
00:15:35,159 --> 00:15:39,749  
world other homeopathy charities are

352  
00:15:37,980 --> 00:15:42,420  
known to dispense sugar pills to treat

353  
00:15:39,749 --> 00:15:44,220  
aids and the Ebola virus some of these

354  
00:15:42,419 --> 00:15:45,928  
groups are even promoted to the website

355  
00:15:44,220 --> 00:15:52,110  
of the world homeopathy awareness

356  
00:15:45,928 --> 00:15:54,149  
organization 7 in 2011 1,700 people in

357  
00:15:52,110 --> 00:15:56,369  
30 countries around the world took part

358  
00:15:54,149 --> 00:15:58,078  
in an international protest each taking

359  
00:15:56,369 --> 00:15:59,699  
an overdose of dozens of homeopathic

360  
00:15:58,078 --> 00:16:01,438  
pills to demonstrate that these

361  
00:15:59,698 --> 00:16:06,539  
worthless pills have no effect and

362  
00:16:01,438 --> 00:16:08,578  
should not be sold as medicine 8 if only

363  
00:16:06,539 --> 00:16:10,469  
homeopathy is used even relatively

364  
00:16:08,578 --> 00:16:13,469  
commonplace ailments can lead to severe

365  
00:16:10,470 --> 00:16:15,178  
consequences Gloria Thomas was 9 months

366  
00:16:13,470 --> 00:16:17,610  
old when her parents chose to treat her

367  
00:16:15,178 --> 00:16:19,588  
eczema exclusively with homeopathy when

368  
00:16:17,610 --> 00:16:21,720  
she was finally admitted to hospital she

369  
00:16:19,589 --> 00:16:24,269  
had developed sepsis and died shortly

370  
00:16:21,720 --> 00:16:26,309  
after admission her parents confidence

371

00:16:24,269 --> 00:16:27,749  
and faith in homeopathy ultimately led

372  
00:16:26,308 --> 00:16:31,318  
to this tragedy and they were

373  
00:16:27,749 --> 00:16:35,100  
subsequently jailed for manslaughter 9

374  
00:16:31,318 --> 00:16:37,019  
in 2006 a news night investigation

375  
00:16:35,100 --> 00:16:39,360  
revealed that homeopaths told undercover

376  
00:16:37,019 --> 00:16:41,698  
reporters that homeopathic preparations

377  
00:16:39,360 --> 00:16:43,318  
could be used to prevent malaria this

378  
00:16:41,698 --> 00:16:44,219  
advice was roundly condemned as

379  
00:16:43,318 --> 00:16:47,668  
dangerous and potentially

380  
00:16:44,220 --> 00:16:50,249  
life-threatening nevertheless homing of

381  
00:16:47,668 --> 00:16:51,659  
her still claimed to treat malaria the

382  
00:16:50,249 --> 00:16:53,980  
list of people harmed by choosing

383  
00:16:51,659 --> 00:16:58,299  
homeopathy instead of seeking out real

384  
00:16:53,980 --> 00:17:00,100  
person is continually growing 10 the

385  
00:16:58,299 --> 00:17:02,769

Advertising Standards Authority has

386

00:17:00,100 --> 00:17:05,079

received over 150 complaints of false

387

00:17:02,769 --> 00:17:08,200

advertising and misleading claims made

388

00:17:05,079 --> 00:17:10,089

by homeopaths homeopathic bodies seem

389

00:17:08,200 --> 00:17:14,130

unwilling or unable to stop their

390

00:17:10,089 --> 00:17:16,899

members making unsubstantiated claims 11

391

00:17:14,130 --> 00:17:18,820

many homeopaths regularly discourage

392

00:17:16,900 --> 00:17:21,519

conventional vaccination instead

393

00:17:18,819 --> 00:17:23,980

promoting dose ODEs these ineffective

394

00:17:21,519 --> 00:17:26,170

homeopathic vaccines put children at

395

00:17:23,980 --> 00:17:30,670

risk of diseases such as measles mumps

396

00:17:26,170 --> 00:17:32,110

rubella and whooping cough 12 patients

397

00:17:30,670 --> 00:17:34,150

have been warned against using

398

00:17:32,109 --> 00:17:36,789

homeopathy by the House of Commons the

399

00:17:34,150 --> 00:17:38,590

British Medical Association the NHS and

400  
00:17:36,789 --> 00:17:40,960  
the royal pharmaceutical society of

401  
00:17:38,589 --> 00:17:42,669  
northern ireland mark wall port chief

402  
00:17:40,960 --> 00:17:44,799  
scientific adviser to the government

403  
00:17:42,670 --> 00:17:46,690  
surmised homeopathic treatments were

404  
00:17:44,799 --> 00:17:49,119  
nonsense with absolutely no medical

405  
00:17:46,690 --> 00:17:51,880  
benefit echoing the sentiments of the

406  
00:17:49,119 --> 00:17:53,469  
UK's chief medical officer it's clear

407  
00:17:51,880 --> 00:17:56,350  
that leading medical experts agree

408  
00:17:53,470 --> 00:17:59,279  
homeopathy simply does not work and

409  
00:17:56,349 --> 00:17:59,279  
should not be used

410  
00:18:03,869 --> 00:18:08,019  
we want to get the full picture on this

411  
00:18:06,339 --> 00:18:10,599  
so we're talking to a homeopath Anna

412  
00:18:08,019 --> 00:18:13,089  
Lamar oh and immunologist professor john

413  
00:18:10,599 --> 00:18:14,709  
dwyer john homeopaths claimed that not

414  
00:18:13,089 --> 00:18:16,509  
all the evidence has been reviewed is

415  
00:18:14,710 --> 00:18:19,840  
this report really based on solid

416  
00:18:16,509 --> 00:18:22,119  
evidence eminent specialists all of them

417  
00:18:19,839 --> 00:18:24,179  
are experts in studying clinical trials

418  
00:18:22,119 --> 00:18:27,459  
and research papers have spent two years

419  
00:18:24,180 --> 00:18:29,200  
studying more than 400 papers have come

420  
00:18:27,460 --> 00:18:32,140  
to the same conclusion that homeopathy

421  
00:18:29,200 --> 00:18:34,090  
is a sham there's absolutely nothing no

422  
00:18:32,140 --> 00:18:36,759  
wiggle room in these in this decision

423  
00:18:34,089 --> 00:18:38,769  
and this conclusion by the National

424  
00:18:36,759 --> 00:18:41,140  
Health Medical Research Council there is

425  
00:18:38,769 --> 00:18:43,299  
no credible scientific evidence that

426  
00:18:41,140 --> 00:18:44,890  
homeopathy helps any health condition

427  
00:18:43,299 --> 00:18:47,619  
jahnke I ask you one question from a

428

00:18:44,890 --> 00:18:50,380  
psychosomatic point of view if using

429  
00:18:47,619 --> 00:18:52,899  
homie up if he makes you feel good isn't

430  
00:18:50,380 --> 00:18:55,120  
it in some way effective well of course

431  
00:18:52,900 --> 00:18:59,200  
the placebo effect makes one feel good

432  
00:18:55,119 --> 00:19:01,209  
short-term only of course but when homie

433  
00:18:59,200 --> 00:19:03,370  
up homeopath suggests that they have a

434  
00:19:01,210 --> 00:19:05,380  
preparation that can say treat whooping

435  
00:19:03,369 --> 00:19:07,059  
cough a very serious illness or that

436  
00:19:05,380 --> 00:19:09,910  
they have vaccinations for things like

437  
00:19:07,059 --> 00:19:12,339  
HIV and TB and malaria which their

438  
00:19:09,910 --> 00:19:15,160  
scientific medicine can't dubs can't say

439  
00:19:12,339 --> 00:19:17,139  
that these are very serious claims and

440  
00:19:15,160 --> 00:19:19,170  
if people were to rely on them and think

441  
00:19:17,140 --> 00:19:21,400  
they were being protected and many many

442  
00:19:19,170 --> 00:19:22,690

parents did think that they were

443

00:19:21,400 --> 00:19:25,060  
protecting their children with

444

00:19:22,690 --> 00:19:27,490  
homeopathic vaccines that's dangerous

445

00:19:25,059 --> 00:19:30,250  
but above all that it's clearly

446

00:19:27,490 --> 00:19:32,470  
unethical to describe a placebo and

447

00:19:30,250 --> 00:19:35,259  
pretend and fool a person into thinking

448

00:19:32,470 --> 00:19:38,289  
that you're giving them an open I take

449

00:19:35,259 --> 00:19:40,420  
exception absolutely to being cast in

450

00:19:38,289 --> 00:19:42,069  
this mode of fooling people by

451

00:19:40,420 --> 00:19:44,410  
prescribing something that's merely for

452

00:19:42,069 --> 00:19:46,450  
SIBO I've been in practice for 34 years

453

00:19:44,410 --> 00:19:49,029  
and I can promise you that I've never

454

00:19:46,450 --> 00:19:52,840  
prescribed a placebo let's come to the

455

00:19:49,029 --> 00:19:54,879  
placebo effect we wish devoutly that the

456

00:19:52,839 --> 00:19:57,129  
NHMRC had bothered to look at the

457  
00:19:54,880 --> 00:19:59,410  
laboratory evidence and also the

458  
00:19:57,130 --> 00:20:01,900  
veterinary studies both of which are

459  
00:19:59,410 --> 00:20:04,210  
placebo free zones and the veterinary

460  
00:20:01,900 --> 00:20:06,130  
studies there are 57 valid studies which

461  
00:20:04,210 --> 00:20:08,410  
show positively for homeopathy and a

462  
00:20:06,130 --> 00:20:11,470  
vast range of laboratory studies the lab

463  
00:20:08,410 --> 00:20:13,029  
bench is a placebo free zone or does let

464  
00:20:11,470 --> 00:20:14,259  
me to tell enter that you've never

465  
00:20:13,029 --> 00:20:17,440  
prescribed anything

466  
00:20:14,259 --> 00:20:19,990  
but a placebo and that that's the fact

467  
00:20:17,440 --> 00:20:21,789  
of our first year high schools chemistry

468  
00:20:19,990 --> 00:20:23,620  
student could look at the principles of

469  
00:20:21,789 --> 00:20:26,129  
homeopathy and know that it's it's

470  
00:20:23,619 --> 00:20:29,559  
non-science it's ridiculous I'd you yeah

471  
00:20:26,130 --> 00:20:31,090  
prescribing of receivers I'm very much

472  
00:20:29,559 --> 00:20:32,649  
in my comfort zone but for the viewer

473  
00:20:31,089 --> 00:20:35,019  
there is no evidence that any

474  
00:20:32,650 --> 00:20:36,430  
homeopathic preparation has any active

475  
00:20:35,019 --> 00:20:39,940  
ingredients that help people with their

476  
00:20:36,430 --> 00:20:41,680  
health because that situation level

477  
00:20:39,940 --> 00:20:43,330  
we're talking about preparations that

478  
00:20:41,680 --> 00:20:45,759  
have an effect beyond or molecular level

479  
00:20:43,329 --> 00:20:47,259  
no there is no such thing well be that

480  
00:20:45,759 --> 00:20:50,650  
as it may I'm sure that homeopathy

481  
00:20:47,259 --> 00:20:52,960  
having survived 200 years of in fact you

482  
00:20:50,650 --> 00:20:55,990  
know highly oppositional public court

483  
00:20:52,960 --> 00:20:57,940  
will survive beyond this and clients and

484  
00:20:55,990 --> 00:21:00,490  
patients will continue to make a choice

485

00:20:57,940 --> 00:21:02,170  
for homeopathy and now we're gonna have

486  
00:21:00,490 --> 00:21:05,849  
to leave it there thank you so much and

487  
00:21:02,170 --> 00:21:05,850  
thank you John as well thank you John

488  
00:21:12,259 --> 00:21:18,509  
published on the tenth of april 2014 by

489  
00:21:15,690 --> 00:21:21,899  
ken harvey as reported on the drum

490  
00:21:18,509 --> 00:21:24,929  
website from the ABC broadcasting in

491  
00:21:21,898 --> 00:21:27,839  
australia we can't have it both ways on

492  
00:21:24,929 --> 00:21:30,389  
homeopathy this isn't the first time

493  
00:21:27,839 --> 00:21:32,069  
homeopathy has been debunked but the

494  
00:21:30,388 --> 00:21:34,819  
verdict of Australia's peak health

495  
00:21:32,069 --> 00:21:38,158  
research body has implications for

496  
00:21:34,819 --> 00:21:42,028  
discredited academic degrees and health

497  
00:21:38,159 --> 00:21:43,919  
insurance subsidies rights can javi the

498  
00:21:42,028 --> 00:21:47,638  
National Health and Medical Research

499  
00:21:43,919 --> 00:21:50,788

Council NHMRC has released a draft

500

00:21:47,638 --> 00:21:53,189  
information paper titled evidence on the

501

00:21:50,788 --> 00:21:55,730  
effectiveness of homeopathy for treating

502

00:21:53,190 --> 00:21:57,629  
health conditions homeopathy is a

503

00:21:55,730 --> 00:21:59,970  
two-hundred-year-old alternative

504

00:21:57,628 --> 00:22:02,730  
medicine practice it has two core

505

00:21:59,970 --> 00:22:06,058  
beliefs that are impossible to reconcile

506

00:22:02,730 --> 00:22:09,899  
with modern scientific knowledge the

507

00:22:06,058 --> 00:22:12,538  
first is that like cures like that is

508

00:22:09,898 --> 00:22:14,788  
substances that cause symptoms in

509

00:22:12,538 --> 00:22:17,220  
healthy people have the ability to treat

510

00:22:14,788 --> 00:22:20,608  
people with similar symptoms when

511

00:22:17,220 --> 00:22:22,319  
administered in minut amounts as if a

512

00:22:20,608 --> 00:22:24,449  
patient is complaining of difficulty

513

00:22:22,319 --> 00:22:26,668  
sleeping a homeopath might prescribe

514  
00:22:24,450 --> 00:22:30,389  
coffee prepared according to the

515  
00:22:26,669 --> 00:22:33,359  
homeopathic principles the second belief

516  
00:22:30,388 --> 00:22:36,418  
is that serial dilution and shaking the

517  
00:22:33,358 --> 00:22:41,058  
remedy potent ization or dynamos ation

518  
00:22:36,419 --> 00:22:43,409  
releases a material and spiritual powers

519  
00:22:41,058 --> 00:22:46,168  
therefore making the substance more

520  
00:22:43,409 --> 00:22:48,059  
active homeopaths believe that they can

521  
00:22:46,169 --> 00:22:50,369  
treat a broad range of acute and chronic

522  
00:22:48,058 --> 00:22:53,220  
conditions in all patients of all ages

523  
00:22:50,368 --> 00:22:55,798  
including pregnant women mothers fathers

524  
00:22:53,220 --> 00:22:58,259  
babies young children teenagers and the

525  
00:22:55,798 --> 00:23:02,489  
elderly however based on all the

526  
00:22:58,259 --> 00:23:05,278  
evidence considered the NHMRC concluded

527  
00:23:02,489 --> 00:23:07,019  
that there was no health conditions for

528  
00:23:05,278 --> 00:23:10,618  
which there was reliable evidence that

529  
00:23:07,019 --> 00:23:13,739  
homeopathy was effective the conclusion

530  
00:23:10,618 --> 00:23:15,959  
is similar to that of the 2010 UK House

531  
00:23:13,739 --> 00:23:17,970  
of common Science and Technology Select

532  
00:23:15,960 --> 00:23:21,119  
Committee which also looked at the

533  
00:23:17,970 --> 00:23:24,169  
scientific evidence and stated quote in

534  
00:23:21,118 --> 00:23:26,778  
our view the symptomatic reviews and

535  
00:23:24,169 --> 00:23:28,700  
meta-analysis conclusively demonstrates

536  
00:23:26,778 --> 00:23:32,118  
that homeopathic products perform no

537  
00:23:28,700 --> 00:23:35,659  
better than placebos unquote so why did

538  
00:23:32,118 --> 00:23:39,618  
the NHMRC Commission their own report

539  
00:23:35,659 --> 00:23:41,659  
the NHMRC has been concerned about

540  
00:23:39,618 --> 00:23:43,939  
reports of non evidence-based

541  
00:23:41,659 --> 00:23:45,999  
complementary or alternative medicine

542

00:23:43,940 --> 00:23:49,249  
being used in place of evidence-based

543  
00:23:45,999 --> 00:23:51,829  
treatments for patients with serious but

544  
00:23:49,249 --> 00:23:54,108  
treatable conditions the preventable

545  
00:23:51,829 --> 00:23:57,589  
deaths of penelope dingle and gloria

546  
00:23:54,108 --> 00:24:00,888  
thomas provide two examples in addition

547  
00:23:57,589 --> 00:24:03,079  
the NHMRC was asked to assist the

548  
00:24:00,888 --> 00:24:04,998  
Department of Health with a review of

549  
00:24:03,079 --> 00:24:06,918  
where the natural therapy should

550  
00:24:04,999 --> 00:24:09,079  
continue to receive an Australian

551  
00:24:06,919 --> 00:24:11,929  
government rebate on private health

552  
00:24:09,079 --> 00:24:13,788  
insurance the purpose of the review is

553  
00:24:11,929 --> 00:24:16,070  
to ensure that taxpayer funds pay

554  
00:24:13,788 --> 00:24:18,259  
through the rebate subsidize only

555  
00:24:16,069 --> 00:24:21,769  
natural therapies that are underpinned

556  
00:24:18,259 --> 00:24:24,319

with a credible evidence base homeopathy

557

00:24:21,769 --> 00:24:26,569

is one of a number of natural therapies

558

00:24:24,319 --> 00:24:30,558

for which many private health insurance

559

00:24:26,569 --> 00:24:33,678

funds provide an auxiliary extra cover

560

00:24:30,558 --> 00:24:36,648

and for which the government provides a

561

00:24:33,679 --> 00:24:38,899

twenty to forty percent rebate the

562

00:24:36,648 --> 00:24:40,969

ancillary benefits provided by different

563

00:24:38,898 --> 00:24:43,459

funds are currently a commercial

564

00:24:40,970 --> 00:24:46,819

decision they take no account of

565

00:24:43,460 --> 00:24:49,460

clinical effectiveness and vary widely

566

00:24:46,819 --> 00:24:52,249

with respect to the services covered and

567

00:24:49,460 --> 00:24:55,038

the maximum money refunded per service

568

00:24:52,249 --> 00:24:56,929

per person per year while natural

569

00:24:55,038 --> 00:25:00,829

therapies only provide a relatively

570

00:24:56,929 --> 00:25:03,889

small proportion 6.5 percent of all

571  
00:25:00,829 --> 00:25:06,048  
ancillary benefits paid they are growing

572  
00:25:03,888 --> 00:25:09,219  
at a much greater rate than other

573  
00:25:06,048 --> 00:25:12,528  
services for example between September

574  
00:25:09,220 --> 00:25:14,989  
2007 for 2013 the number of dental

575  
00:25:12,528 --> 00:25:18,638  
services funded doubled whereas natural

576  
00:25:14,989 --> 00:25:21,679  
therapy services increased nine-fold a

577  
00:25:18,638 --> 00:25:24,019  
natural therapies review advisory

578  
00:25:21,679 --> 00:25:27,889  
committee has been set up to review the

579  
00:25:24,019 --> 00:25:30,169  
findings of the NHMRC and provide advice

580  
00:25:27,888 --> 00:25:32,138  
to the government as to which therapy

581  
00:25:30,169 --> 00:25:35,840  
should continue to attract a rebate

582  
00:25:32,138 --> 00:25:37,759  
given the NH MRC's report on homeopathy

583  
00:25:35,839 --> 00:25:39,859  
it seems unlikely

584  
00:25:37,759 --> 00:25:43,000  
that homeopathy will continue to attract

585  
00:25:39,859 --> 00:25:46,159  
a rebate after the first of april 2015

586  
00:25:43,000 --> 00:25:50,240  
the date that changes are expected to be

587  
00:25:46,160 --> 00:25:53,870  
implemented the NHMRC report is also

588  
00:25:50,240 --> 00:25:55,940  
likely to impact on other areas a number

589  
00:25:53,869 --> 00:25:59,449  
of natural health colleges offer degrees

590  
00:25:55,940 --> 00:26:01,519  
and diplomas in homeopathy for example

591  
00:25:59,450 --> 00:26:03,710  
the endeavor College of Natural Health

592  
00:26:01,519 --> 00:26:07,519  
notes that its Bachelor of Health

593  
00:26:03,710 --> 00:26:08,720  
Science homeopathy is quote accredited

594  
00:26:07,519 --> 00:26:12,289  
through the office of higher education

595  
00:26:08,720 --> 00:26:14,660  
and as such students are entitled to the

596  
00:26:12,289 --> 00:26:18,019  
federal government's fee-help scheme

597  
00:26:14,660 --> 00:26:20,450  
which is similar to the hex system and

598  
00:26:18,019 --> 00:26:24,170  
open to any Australian citizen

599

00:26:20,450 --> 00:26:26,000  
undertaking a degree and quote if one

600  
00:26:24,170 --> 00:26:28,759  
arm of government states at homeopathy

601  
00:26:26,000 --> 00:26:31,700  
lacks an evidence-based should another

602  
00:26:28,759 --> 00:26:35,000  
accredit homeopathy courses and assist

603  
00:26:31,700 --> 00:26:37,220  
with student fees naturopaths may also

604  
00:26:35,000 --> 00:26:39,579  
have to reconsider their treatment

605  
00:26:37,220 --> 00:26:42,680  
methods one of which is homeopathy

606  
00:26:39,579 --> 00:26:44,899  
indeed a number of other diagnostic and

607  
00:26:42,680 --> 00:26:47,090  
treatment modalities used by naturopaths

608  
00:26:44,900 --> 00:26:49,070  
are in the scope of the government

609  
00:26:47,089 --> 00:26:53,559  
review and are currently being evaluated

610  
00:26:49,069 --> 00:26:57,409  
by the NHMRC including iridology

611  
00:26:53,559 --> 00:26:59,299  
reflexology and herbalism a survey of

612  
00:26:57,410 --> 00:27:01,610  
general practitioner referral and

613  
00:26:59,299 --> 00:27:04,430

practice in rural and regional New South

614

00:27:01,609 --> 00:27:08,889

Wales published in 2013 shows that only

615

00:27:04,430 --> 00:27:12,710

point five percent of 600 respondents

616

00:27:08,890 --> 00:27:16,160

GPS had prescribed homeopathy in the

617

00:27:12,710 --> 00:27:18,620

last 12 months and only 8.5 % referred

618

00:27:16,160 --> 00:27:21,590

patients for homeopathic treatment over

619

00:27:18,619 --> 00:27:23,479

the same period nearly two-thirds of GPS

620

00:27:21,589 --> 00:27:25,730

reported that they would not refer a

621

00:27:23,480 --> 00:27:28,789

patient for homeopathy under any

622

00:27:25,730 --> 00:27:31,880

circumstances it will be interesting to

623

00:27:28,789 --> 00:27:34,009

see if the NHMRC report changes such

624

00:27:31,880 --> 00:27:36,530

patterns in the UK homeopathic

625

00:27:34,009 --> 00:27:39,890

prescriptions have undergone a steep

626

00:27:36,529 --> 00:27:41,930

decline in the past 15 years pharmacists

627

00:27:39,890 --> 00:27:45,410

who sell homeopathic remedies such as

628  
00:27:41,930 --> 00:27:47,930  
the brower product range may also need

629  
00:27:45,410 --> 00:27:51,320  
to have a rethink especially as the

630  
00:27:47,930 --> 00:27:55,070  
Pharmacy Board code of conduct includes

631  
00:27:51,319 --> 00:27:57,049  
quote providing treatment options based

632  
00:27:55,069 --> 00:27:59,689  
on the best available information and

633  
00:27:57,049 --> 00:28:02,329  
not influenced by financial gains or

634  
00:27:59,690 --> 00:28:04,400  
incentives end quote companies who

635  
00:28:02,329 --> 00:28:06,649  
provide homeopathic remedies may also

636  
00:28:04,400 --> 00:28:09,580  
have to update their professional

637  
00:28:06,650 --> 00:28:11,810  
educational information finally

638  
00:28:09,579 --> 00:28:13,309  
recognizing that patients often don't

639  
00:28:11,809 --> 00:28:15,349  
inform their doctors about the

640  
00:28:13,309 --> 00:28:18,980  
complementary medicines they are taking

641  
00:28:15,349 --> 00:28:21,799  
and doctors don't often ask the NHMRC

642  
00:28:18,980 --> 00:28:25,430  
has also produced another useful

643  
00:28:21,799 --> 00:28:28,069  
document talking with your patients

644  
00:28:25,430 --> 00:28:30,080  
about complementary medicine while

645  
00:28:28,069 --> 00:28:33,169  
intended to be a resource for clinicians

646  
00:28:30,079 --> 00:28:36,139  
it is equally valuable for patients and

647  
00:28:33,170 --> 00:28:37,940  
the general public dr. ken harvey is an

648  
00:28:36,140 --> 00:28:40,070  
adjunct associate professor at the

649  
00:28:37,940 --> 00:28:43,370  
school of public health and preventable

650  
00:28:40,069 --> 00:28:45,529  
medicine Monash University he represents

651  
00:28:43,369 --> 00:28:49,599  
the consumer health forum on the natural

652  
00:28:45,529 --> 00:28:49,599  
therapies review Advisory Committee

653  
00:28:55,690 --> 00:29:00,679  
hello this is Joe alabaster last week

654  
00:28:59,179 --> 00:29:02,179  
you heard Richard Saunders mentioned

655  
00:29:00,679 --> 00:29:03,950  
that the better health channel was

656

00:29:02,179 --> 00:29:05,480  
promoting world homeopathy Awareness

657  
00:29:03,950 --> 00:29:07,909  
Week on the events section of their

658  
00:29:05,480 --> 00:29:10,159  
website homeopathy was being associated

659  
00:29:07,909 --> 00:29:12,619  
with men's health issues including

660  
00:29:10,159 --> 00:29:13,909  
prostate cancer the better health

661  
00:29:12,618 --> 00:29:16,339  
channel fully funded by the state

662  
00:29:13,909 --> 00:29:19,369  
government of Victoria describes itself

663  
00:29:16,339 --> 00:29:20,720  
as a provider of quote health and

664  
00:29:19,368 --> 00:29:23,288  
medical information that is quality

665  
00:29:20,720 --> 00:29:25,610  
assured reliable up-to-date

666  
00:29:23,288 --> 00:29:27,740  
easy-to-understand regularly reviewed

667  
00:29:25,609 --> 00:29:30,138  
and locally relevant and quote I've

668  
00:29:27,740 --> 00:29:31,579  
actually used their website many times

669  
00:29:30,138 --> 00:29:33,349  
as I've found their fact sheets on

670  
00:29:31,579 --> 00:29:35,509

medical conditions to be accurate and

671

00:29:33,349 --> 00:29:37,219

accessible in fact I've linked to them

672

00:29:35,509 --> 00:29:39,110

repeatedly from my blog at evidence

673

00:29:37,220 --> 00:29:41,839

place net when discussing

674

00:29:39,109 --> 00:29:43,128

vaccine-preventable diseases I know of

675

00:29:41,839 --> 00:29:44,990

many people both health care

676

00:29:43,128 --> 00:29:46,668

professionals and laypeople who regard

677

00:29:44,990 --> 00:29:49,220

better health channel highly and refer

678

00:29:46,669 --> 00:29:50,629

others to their website unfortunately

679

00:29:49,220 --> 00:29:52,249

there is an aspect to better health

680

00:29:50,628 --> 00:29:53,980

channel for advocates of evidence-based

681

00:29:52,249 --> 00:29:56,360

medicine are not entirely happy with

682

00:29:53,980 --> 00:29:58,720

some of their pages on alternative

683

00:29:56,359 --> 00:30:00,678

medicine are rather uncritical in tone

684

00:29:58,720 --> 00:30:02,538

often written in conjunction with

685  
00:30:00,679 --> 00:30:04,309  
professional associations about med

686  
00:30:02,538 --> 00:30:06,079  
practitioners descriptions of

687  
00:30:04,308 --> 00:30:08,388  
alternative therapies are provided with

688  
00:30:06,079 --> 00:30:10,099  
no mention of efficacy or even whether

689  
00:30:08,388 --> 00:30:11,990  
the mechanisms they're based on or all

690  
00:30:10,099 --> 00:30:13,699  
that plausible I'm looking at you

691  
00:30:11,990 --> 00:30:16,099  
naturopathy with your vitalism and

692  
00:30:13,700 --> 00:30:17,538  
invisible life force as a

693  
00:30:16,099 --> 00:30:19,759  
government-funded website which is

694  
00:30:17,538 --> 00:30:21,769  
trusted and relied upon I think that the

695  
00:30:19,759 --> 00:30:24,110  
better health channel can and should do

696  
00:30:21,769 --> 00:30:26,599  
better world homeopathy Awareness Week

697  
00:30:24,109 --> 00:30:27,979  
is upon us and this year's skeptics are

698  
00:30:26,599 --> 00:30:29,778  
again very much embracing the

699  
00:30:27,980 --> 00:30:32,778  
opportunity to spread awareness that

700  
00:30:29,778 --> 00:30:34,700  
homeopathy is bulldust one evening last

701  
00:30:32,778 --> 00:30:36,470  
week I was curious as to whether any

702  
00:30:34,700 --> 00:30:38,019  
events were occurring here in Australia

703  
00:30:36,470 --> 00:30:40,460  
to promote awareness of homeopathy

704  
00:30:38,019 --> 00:30:43,249  
either being run by its proponents or

705  
00:30:40,460 --> 00:30:44,869  
its critics in doing a Google search I

706  
00:30:43,249 --> 00:30:47,089  
was incredibly disappointed to find that

707  
00:30:44,868 --> 00:30:48,439  
on the first page of results there was a

708  
00:30:47,089 --> 00:30:51,349  
link to better health channel's website

709  
00:30:48,440 --> 00:30:53,298  
on their events page was a listing for

710  
00:30:51,349 --> 00:30:56,839  
world homeopathy Awareness Week which

711  
00:30:53,298 --> 00:30:59,418  
read quote event world homing up with

712  
00:30:56,839 --> 00:31:01,749  
you awareness week 2014 organization

713

00:30:59,419 --> 00:31:04,909  
world homeopathy awareness organization

714  
00:31:01,749 --> 00:31:06,230  
description this year's theme for world

715  
00:31:04,909 --> 00:31:09,230  
homeopathy awareness week

716  
00:31:06,230 --> 00:31:11,360  
from 10 to 16 april 2014 is men's health

717  
00:31:09,230 --> 00:31:12,919  
for this theme we are thinking of the

718  
00:31:11,359 --> 00:31:14,928  
typical men's health problems such as

719  
00:31:12,919 --> 00:31:17,210  
impotence ii erection problems

720  
00:31:14,929 --> 00:31:19,880  
infertility prostate problems

721  
00:31:17,210 --> 00:31:21,470  
prostatitis prostate cancer enlarged

722  
00:31:19,880 --> 00:31:23,809  
prostate and quote a

723  
00:31:21,470 --> 00:31:25,279  
government-sponsored website trusted by

724  
00:31:23,808 --> 00:31:27,558  
the public and media medical

725  
00:31:25,279 --> 00:31:29,359  
professionals to provide reliable and

726  
00:31:27,558 --> 00:31:31,129  
accurate health information was

727  
00:31:29,359 --> 00:31:32,959

promoting an event which suggested that

728

00:31:31,130 --> 00:31:35,450

homeopathy had a place in the treatment

729

00:31:32,960 --> 00:31:39,319

of men's health issues including cancer

730

00:31:35,450 --> 00:31:41,090

not happy fortunately there are actions

731

00:31:39,319 --> 00:31:42,379

that members of the public can take when

732

00:31:41,089 --> 00:31:44,269

we come across potentially dangerous

733

00:31:42,380 --> 00:31:46,190

misinformation published by those in a

734

00:31:44,269 --> 00:31:48,529

position of responsibility especially

735

00:31:46,190 --> 00:31:49,910

when they're government-funded the

736

00:31:48,529 --> 00:31:51,769

better health channel has a feedback

737

00:31:49,910 --> 00:31:53,269

form at the bottom of their page they

738

00:31:51,769 --> 00:31:55,759

also have a twitter account and a

739

00:31:53,269 --> 00:31:57,529

facebook page many people myself

740

00:31:55,759 --> 00:31:59,089

included have contacted the better

741

00:31:57,529 --> 00:32:00,470

health channel in the past regarding

742  
00:31:59,089 --> 00:32:03,048  
their fact pages and alternative

743  
00:32:00,470 --> 00:32:05,029  
therapies form letter replies can be a

744  
00:32:03,048 --> 00:32:08,000  
little disheartening particularly when

745  
00:32:05,029 --> 00:32:09,740  
no change seems to result however in the

746  
00:32:08,000 --> 00:32:11,329  
case of the world homeopathy Awareness

747  
00:32:09,740 --> 00:32:14,419  
Week event listing it was worth trying

748  
00:32:11,329 --> 00:32:16,069  
again after sending the better health

749  
00:32:14,419 --> 00:32:17,660  
channel some quick and polite feedback

750  
00:32:16,069 --> 00:32:19,308  
expressing my disappointment that they

751  
00:32:17,660 --> 00:32:21,350  
would promote world homeopathy Awareness

752  
00:32:19,308 --> 00:32:23,480  
Week I began chatting with friends and

753  
00:32:21,349 --> 00:32:25,339  
fellow skeptics the skeptics in

754  
00:32:23,480 --> 00:32:27,230  
Australia Facebook page was a fantastic

755  
00:32:25,339 --> 00:32:29,000  
way to reach many people who found the

756  
00:32:27,230 --> 00:32:31,400  
event listing concerning as was

757  
00:32:29,000 --> 00:32:32,990  
utilizing Twitter i mentioned from the

758  
00:32:31,400 --> 00:32:34,730  
skeptics own podcast help get the word

759  
00:32:32,990 --> 00:32:37,819  
out to a significant number of people as

760  
00:32:34,730 --> 00:32:40,789  
well in a wonderful case of good timing

761  
00:32:37,819 --> 00:32:42,259  
the NHMRC is draft information paper on

762  
00:32:40,789 --> 00:32:44,509  
homeopathy was released later that

763  
00:32:42,259 --> 00:32:46,250  
evening garnering more public support

764  
00:32:44,509 --> 00:32:48,440  
and awareness of homeopathy slack of

765  
00:32:46,250 --> 00:32:50,210  
efficacy people wrote to the better

766  
00:32:48,440 --> 00:32:52,220  
health channel tweeted using their

767  
00:32:50,210 --> 00:32:54,350  
twitter handle posted on their facebook

768  
00:32:52,220 --> 00:32:55,940  
page others wrote directly to the

769  
00:32:54,349 --> 00:32:59,029  
victorian health ministers offers to

770

00:32:55,940 --> 00:33:00,890  
express their concerns a few days later

771  
00:32:59,029 --> 00:33:03,289  
which happened to be the first day of

772  
00:33:00,890 --> 00:33:05,480  
World homeopathy Awareness Week some

773  
00:33:03,289 --> 00:33:06,889  
very heartening news arrived I received

774  
00:33:05,480 --> 00:33:08,839  
an email from the better health channel

775  
00:33:06,890 --> 00:33:11,570  
thanking me for my feedback and stating

776  
00:33:08,839 --> 00:33:14,209  
that quote complementary and alternative

777  
00:33:11,569 --> 00:33:17,298  
medicines have high use amongst health

778  
00:33:14,210 --> 00:33:19,669  
consumers in Australia in publishing bhc

779  
00:33:17,298 --> 00:33:19,878  
information on C a.m. we recognize the

780  
00:33:19,669 --> 00:33:21,349  
knee

781  
00:33:19,878 --> 00:33:23,118  
to address a range of health concerns

782  
00:33:21,348 --> 00:33:25,519  
and questions of interest to visitors to

783  
00:33:23,118 --> 00:33:27,168  
our site our aim is to provide the

784  
00:33:25,519 --> 00:33:30,078

public with suitable information about

785

00:33:27,169 --> 00:33:31,699

see am without in any sense promoting it

786

00:33:30,078 --> 00:33:33,678

as a replacement for conventional

787

00:33:31,699 --> 00:33:35,298

medicine or endorsing all of the claims

788

00:33:33,679 --> 00:33:38,659

made by the many different streams

789

00:33:35,298 --> 00:33:40,578

within the field the BHC event calendar

790

00:33:38,659 --> 00:33:42,409

is an information resource and the

791

00:33:40,578 --> 00:33:44,118

placement of an event in the bhc

792

00:33:42,409 --> 00:33:46,549

calendar is not an endorsement or

793

00:33:44,118 --> 00:33:48,348

recommendation for that event events

794

00:33:46,548 --> 00:33:50,838

submitted in our event calendar of her

795

00:33:48,348 --> 00:33:52,999

information only we do reserve the right

796

00:33:50,838 --> 00:33:54,828

to moderate and remove events and in

797

00:33:52,999 --> 00:33:56,690

light of the recent considerations we

798

00:33:54,828 --> 00:34:00,440

have decided to remove the event from

799  
00:33:56,690 --> 00:34:01,699  
our health events calendar well kudos to

800  
00:34:00,440 --> 00:34:02,838  
the better health channel for coming

801  
00:34:01,699 --> 00:34:05,749  
down on the side of evidence-based

802  
00:34:02,838 --> 00:34:07,128  
medicine I'm also pleased to report that

803  
00:34:05,749 --> 00:34:08,418  
better health channel are currently

804  
00:34:07,128 --> 00:34:10,518  
reviewing the contents of their

805  
00:34:08,418 --> 00:34:12,318  
homeopathy fact page which many people

806  
00:34:10,518 --> 00:34:14,689  
also express concern about when

807  
00:34:12,318 --> 00:34:17,418  
contacting them both directly and via

808  
00:34:14,690 --> 00:34:20,838  
social media in an email to me about the

809  
00:34:17,418 --> 00:34:22,608  
review they have written quote as part

810  
00:34:20,838 --> 00:34:25,338  
of each review we aim to take into

811  
00:34:22,608 --> 00:34:27,798  
account current research / findings and

812  
00:34:25,338 --> 00:34:30,759  
we'll be looking at the NHMRC s draft

813  
00:34:27,798 --> 00:34:32,778  
information paper in this case end quote

814  
00:34:30,759 --> 00:34:34,519  
the better health channels new

815  
00:34:32,778 --> 00:34:36,648  
homeopathy fact sheet will certainly be

816  
00:34:34,518 --> 00:34:38,268  
something to look out for in the interim

817  
00:34:36,648 --> 00:34:39,949  
though the immediate result of a group

818  
00:34:38,268 --> 00:34:42,439  
of people writing letters and taking to

819  
00:34:39,949 --> 00:34:43,788  
social media has been fantastic the

820  
00:34:42,440 --> 00:34:46,099  
better health channel is now no longer

821  
00:34:43,789 --> 00:34:47,990  
promoting an event that suggests that an

822  
00:34:46,099 --> 00:34:50,079  
on evidence-based practice has a place

823  
00:34:47,989 --> 00:34:52,608  
in the treatment of men's health issues

824  
00:34:50,079 --> 00:34:54,259  
while the removal of the event is merely

825  
00:34:52,608 --> 00:34:56,558  
a drop in the ocean of raising public

826  
00:34:54,259 --> 00:34:58,940  
awareness that homeopathy is bulldust

827

00:34:56,559 --> 00:35:01,130  
unlike an active ingredient within a

828  
00:34:58,940 --> 00:35:03,230  
homeopathic dilution the results of our

829  
00:35:01,130 --> 00:35:06,278  
skeptical activism are detectable and

830  
00:35:03,230 --> 00:35:06,278  
can make a difference

831  
00:35:07,559 --> 00:35:15,400  
and now the views from homeopathy plus

832  
00:35:12,570 --> 00:35:18,300  
homeopathy plus don't forget one the

833  
00:35:15,400 --> 00:35:22,769  
Australian skeptics bent spoon award in

834  
00:35:18,300 --> 00:35:26,620  
2012 from homeopathy plus calm a you

835  
00:35:22,769 --> 00:35:31,860  
know evidence or poor methodology the

836  
00:35:26,619 --> 00:35:34,269  
NHMRC homeopathy draft report april 2014

837  
00:35:31,860 --> 00:35:37,690  
the National Health and Medical Research

838  
00:35:34,269 --> 00:35:39,849  
Council and HMRC released its revised

839  
00:35:37,690 --> 00:35:41,920  
draft document evidence on the

840  
00:35:39,849 --> 00:35:45,789  
effectiveness of homeopathy for treating

841  
00:35:41,920 --> 00:35:48,190

health conditions on April 9 2014 it

842

00:35:45,789 --> 00:35:50,199  
states in part quote there is no

843

00:35:48,190 --> 00:35:52,179  
reliable evidence that homeopathy is

844

00:35:50,199 --> 00:35:55,000  
effective for treating health conditions

845

00:35:52,179 --> 00:35:57,819  
end quote the worldwide homeopathic

846

00:35:55,000 --> 00:36:00,579  
community is both dismayed but

847

00:35:57,820 --> 00:36:03,250  
unsurprised by the report as the NHMRC

848

00:36:00,579 --> 00:36:05,049  
working group was compromised from its

849

00:36:03,250 --> 00:36:07,750  
inception by failing to have at least

850

00:36:05,050 --> 00:36:10,269  
one qualified homeopath on its panel

851

00:36:07,750 --> 00:36:12,639  
though several suitable candidates were

852

00:36:10,269 --> 00:36:15,280  
presented different principles

853

00:36:12,639 --> 00:36:18,579  
underpinned studies and practice when

854

00:36:15,280 --> 00:36:20,710  
examining the NHMRC draft report it is

855

00:36:18,579 --> 00:36:23,259  
important to realize that homeopathy is

856  
00:36:20,710 --> 00:36:25,420  
practiced by very different principles

857  
00:36:23,260 --> 00:36:27,040  
to those of conventional medicine in

858  
00:36:25,420 --> 00:36:30,639  
drawing its conclusions on homeopathy

859  
00:36:27,039 --> 00:36:33,039  
the NHMRC overlooks studies based on

860  
00:36:30,639 --> 00:36:35,559  
these principles and clinical practice

861  
00:36:33,039 --> 00:36:37,989  
in favour of less suitable studies that

862  
00:36:35,559 --> 00:36:40,320  
focused on isolated disease conditions

863  
00:36:37,989 --> 00:36:43,599  
studies much more suited to the

864  
00:36:40,320 --> 00:36:46,090  
allopathic conventional model of

865  
00:36:43,599 --> 00:36:50,110  
treatment this alone has had a negative

866  
00:36:46,090 --> 00:36:52,510  
impact on the NHMRC findings aaha

867  
00:36:50,110 --> 00:36:55,150  
recommends a more comprehensive approach

868  
00:36:52,510 --> 00:36:57,430  
to overcome this problem the Australian

869  
00:36:55,150 --> 00:37:01,289  
homeopathic Association has recommended

870  
00:36:57,429 --> 00:37:04,149  
the NHMRC take a quote more

871  
00:37:01,289 --> 00:37:06,579  
comprehensive approach and quote in its

872  
00:37:04,150 --> 00:37:08,829  
analysis of homeopathy so that evidence

873  
00:37:06,579 --> 00:37:12,039  
for its effectiveness is more easily

874  
00:37:08,829 --> 00:37:15,279  
identified and studied itms says no

875  
00:37:12,039 --> 00:37:18,119  
evidence of any thickness the australian

876  
00:37:15,280 --> 00:37:20,369  
traditional medical society a TMS

877  
00:37:18,119 --> 00:37:22,798  
since the draft report has no compelling

878  
00:37:20,369 --> 00:37:25,170  
evidence of a lack of effectiveness with

879  
00:37:22,798 --> 00:37:27,538  
homeopathy just a lack of high quality

880  
00:37:25,170 --> 00:37:29,759  
studies they call on the federal

881  
00:37:27,539 --> 00:37:31,980  
government to sport and fund these

882  
00:37:29,759 --> 00:37:35,278  
studies just as it does for other

883  
00:37:31,980 --> 00:37:37,469  
therapies the a TMS advisors it has

884

00:37:35,278 --> 00:37:40,048  
already provided numerous examples of

885  
00:37:37,469 --> 00:37:42,748  
studies in which homeopathy is superior

886  
00:37:40,048 --> 00:37:45,298  
to placebo to the chief medical officer

887  
00:37:42,748 --> 00:37:47,399  
and says that to place the report in

888  
00:37:45,298 --> 00:37:49,380  
context only thirty percent of all

889  
00:37:47,400 --> 00:37:51,599  
conventional medical procedures are

890  
00:37:49,380 --> 00:37:54,230  
supported by a strong evidence base

891  
00:37:51,599 --> 00:37:56,970  
according to the British Medical Journal

892  
00:37:54,230 --> 00:37:59,490  
prophylactic and other studies excluded

893  
00:37:56,969 --> 00:38:02,098  
a significant amount of evidence for the

894  
00:37:59,489 --> 00:38:05,189  
effectiveness of homeopathy has been

895  
00:38:02,099 --> 00:38:08,099  
lost by the NHMRC exclusion of

896  
00:38:05,190 --> 00:38:10,380  
homeopathic prophylactic studies some of

897  
00:38:08,099 --> 00:38:14,099  
the largest observational studies ever

898  
00:38:10,380 --> 00:38:17,309

conducted the NHMRC also says it will

899

00:38:14,099 --> 00:38:19,079

not accept studies on quote the use of

900

00:38:17,309 --> 00:38:21,420

homeopathy for preventing health

901

00:38:19,079 --> 00:38:24,869

conditions including homeopathic

902

00:38:21,420 --> 00:38:27,869

vaccines or whether homeopathy maintains

903

00:38:24,869 --> 00:38:30,599

and/or enhances general health as part

904

00:38:27,869 --> 00:38:32,489

of its call for further submissions as

905

00:38:30,599 --> 00:38:35,160

these studies provide some of the

906

00:38:32,489 --> 00:38:38,039

clearest evidence of homeopathy zhifeng

907

00:38:35,159 --> 00:38:40,828

us the question must be asked why are

908

00:38:38,039 --> 00:38:45,660

they along with animal studies being

909

00:38:40,829 --> 00:38:48,150

excluded at what cost the NHMRC draft

910

00:38:45,659 --> 00:38:49,980

report has been more than three years in

911

00:38:48,150 --> 00:38:53,338

the making and so far according to

912

00:38:49,980 --> 00:38:55,588

reports has cost the taxpayer a hundred

913  
00:38:53,338 --> 00:38:57,808  
and forty thousand dollars all the more

914  
00:38:55,588 --> 00:39:00,449  
reason to ensure its integrity but is

915  
00:38:57,809 --> 00:39:02,099  
that all this report will cost according

916  
00:39:00,449 --> 00:39:03,868  
to the world health organization

917  
00:39:02,099 --> 00:39:05,700  
homeopathy is the most widely used

918  
00:39:03,869 --> 00:39:08,599  
alternative medicine in the world today

919  
00:39:05,699 --> 00:39:11,608  
and second only to conventional medicine

920  
00:39:08,599 --> 00:39:14,548  
many millions of people rely on it as a

921  
00:39:11,608 --> 00:39:17,880  
primary form of health care and they

922  
00:39:14,548 --> 00:39:19,739  
know it works the NHMRC continues to

923  
00:39:17,880 --> 00:39:22,710  
exclude important evidence from its

924  
00:39:19,739 --> 00:39:24,869  
examination and if it chooses to word

925  
00:39:22,710 --> 00:39:26,970  
its final report in such a way that it

926  
00:39:24,869 --> 00:39:30,239  
has been used to discredit homeopathy

927  
00:39:26,969 --> 00:39:31,649  
and disenfranchise Australian users of

928  
00:39:30,239 --> 00:39:33,389  
homeopathy the

929  
00:39:31,650 --> 00:39:35,700  
greatest cost of all will be borne by

930  
00:39:33,389 --> 00:39:38,940  
the Australian Government the scientific

931  
00:39:35,699 --> 00:39:41,369  
community and the NHMRC itself trust

932  
00:39:38,940 --> 00:39:42,929  
lost is never easily regained and that

933  
00:39:41,369 --> 00:39:46,559  
is what is truly at stake with this

934  
00:39:42,929 --> 00:39:48,690  
report call for submissions the NHMRC is

935  
00:39:46,559 --> 00:39:51,750  
now calling for final public submissions

936  
00:39:48,690 --> 00:39:54,150  
and comment on the draft information

937  
00:39:51,750 --> 00:39:56,699  
paper anyone can make a submission of

938  
00:39:54,150 --> 00:39:59,220  
additional evidence it does not have to

939  
00:39:56,699 --> 00:40:04,369  
come from within Australia the midline

940  
00:39:59,219 --> 00:40:04,369  
closes on monday 26th may 2014

941

00:40:15,059 --> 00:40:25,179  
rust three Lucia minute video fear of

942  
00:40:22,750 --> 00:40:26,920  
the Islamic law be so skeptical museum

943  
00:40:25,179 --> 00:40:28,779  
was not Anastasia Katrina hooded cars

944  
00:40:26,920 --> 00:40:30,519  
the divinity Loomis Korea it algebra

945  
00:40:28,780 --> 00:40:32,410  
groschen Pellucidar podcast Petrova

946  
00:40:30,519 --> 00:40:34,389  
hooded garden Indian but Gospels White's

947  
00:40:32,409 --> 00:40:37,389  
escaped aside a car bomb or choose not

948  
00:40:34,389 --> 00:40:41,769  
initiated st at wave over skeptics

949  
00:40:37,389 --> 00:40:43,420  
society rajguru everybody my name is

950  
00:40:41,769 --> 00:40:45,639  
Carol and i'm the founder of skeptics

951  
00:40:43,420 --> 00:40:47,650  
society Russia come visit us in Moscow

952  
00:40:45,639 --> 00:40:49,150  
and our bi-weekly meetings and also

953  
00:40:47,650 --> 00:40:50,889  
listen to our weekly podcast which is

954  
00:40:49,150 --> 00:40:52,960  
called skeptic and the site where you

955  
00:40:50,889 --> 00:40:55,500

can find all that the skeptics society

956

00:40:52,960 --> 00:40:55,500

are you

957

00:41:05,530 --> 00:41:10,430

welcome to a week in science from our

958

00:41:07,909 --> 00:41:13,190

iOS bringing you the science you need to

959

00:41:10,429 --> 00:41:15,469

know seven billion is a lot of anything

960

00:41:13,190 --> 00:41:18,530

let alone people but that's what our

961

00:41:15,469 --> 00:41:20,899

population hit in 2011 so how do we

962

00:41:18,530 --> 00:41:24,040

compare to other species and what does

963

00:41:20,900 --> 00:41:24,039

this mean for our planet

964

00:41:24,920 --> 00:41:29,340

let's begin by putting these sorts of

965

00:41:27,269 --> 00:41:31,440

numbers into perspective how do humans

966

00:41:29,340 --> 00:41:34,380

rank against other populations in the

967

00:41:31,440 --> 00:41:36,929

world by far in a way the most popular

968

00:41:34,380 --> 00:41:39,599

species are bacteria there are around

969

00:41:36,929 --> 00:41:42,239

four quadrillion quadrillion of them and

970  
00:41:39,599 --> 00:41:44,849  
this easily out numbers all other animal

971  
00:41:42,239 --> 00:41:47,129  
populations combined moving on to larger

972  
00:41:44,849 --> 00:41:49,500  
beings there's an estimated ten billion

973  
00:41:47,130 --> 00:41:52,140  
billion ants in the world weighing

974  
00:41:49,500 --> 00:41:54,840  
almost ten times that of humans who

975  
00:41:52,139 --> 00:41:56,039  
counted them I have no idea and who

976  
00:41:54,840 --> 00:41:58,260  
would have thought there are more than

977  
00:41:56,039 --> 00:42:02,639  
20 billion domestic chickens bred for

978  
00:41:58,260 --> 00:42:04,920  
meat and eggs it's hardly surprising but

979  
00:42:02,639 --> 00:42:06,659  
it is interesting that the top 10 mammal

980  
00:42:04,920 --> 00:42:09,240  
populations are humans and our

981  
00:42:06,659 --> 00:42:10,949  
domesticated friends farming livestock

982  
00:42:09,239 --> 00:42:14,279  
has seen populations of cattle and sheep

983  
00:42:10,949 --> 00:42:16,739  
saw over 1 billion each and pets like

984  
00:42:14,280 --> 00:42:18,660  
cats and dogs are around 500 million

985  
00:42:16,739 --> 00:42:21,989  
each thanks to living closely with

986  
00:42:18,659 --> 00:42:24,420  
humans but who is number one well it's

987  
00:42:21,989 --> 00:42:26,309  
hard to work out evidence suggests

988  
00:42:24,420 --> 00:42:28,440  
though that humans may only be third on

989  
00:42:26,309 --> 00:42:30,599  
the list following mice and rats which

990  
00:42:28,440 --> 00:42:32,970  
are not strictly domesticated but do

991  
00:42:30,599 --> 00:42:35,369  
like to hang around humans by comparison

992  
00:42:32,969 --> 00:42:37,469  
most wild mammal populations are falling

993  
00:42:35,369 --> 00:42:39,690  
rapidly due to humans moving in on their

994  
00:42:37,469 --> 00:42:43,699  
habitats there are just five hundred

995  
00:42:39,690 --> 00:42:47,309  
thousand elephants 200,000 chimpanzees

996  
00:42:43,699 --> 00:42:50,069  
120,000 big cats and 20,000 polar bears

997  
00:42:47,309 --> 00:42:52,920  
left and yes we're directly responsible

998

00:42:50,070 --> 00:42:55,130  
and now for fast facts about global

999  
00:42:52,920 --> 00:42:57,778  
population

1000  
00:42:55,130 --> 00:43:00,750  
china has the biggest population in the

1001  
00:42:57,778 --> 00:43:03,389  
world with 1.35 billion people closely

1002  
00:43:00,750 --> 00:43:05,880  
followed by india at 1.2 1,000,000,000

1003  
00:43:03,389 --> 00:43:08,009  
together their home to thirty-seven

1004  
00:43:05,880 --> 00:43:09,838  
percent of the world's population the

1005  
00:43:08,010 --> 00:43:12,750  
highest population growth rate ever

1006  
00:43:09,838 --> 00:43:16,889  
recorded was in 1963 and the lowest

1007  
00:43:12,750 --> 00:43:19,588  
during 2011 it took 123 years to grow

1008  
00:43:16,889 --> 00:43:22,379  
from 1 to 2 billion people but it took

1009  
00:43:19,588 --> 00:43:24,750  
just 13 years to grow from six to seven

1010  
00:43:22,380 --> 00:43:27,000  
billion finally the current world

1011  
00:43:24,750 --> 00:43:30,869  
population is about seven point one nine

1012  
00:43:27,000 --> 00:43:33,630

billion increasing by 2.3 people every

1013

00:43:30,869 --> 00:43:38,910

second the planet is expected to hit 8

1014

00:43:33,630 --> 00:43:40,470

billion people in 2024 that's it for

1015

00:43:38,909 --> 00:43:42,420

this week in science for more

1016

00:43:40,469 --> 00:43:47,269

information on global population go to

1017

00:43:42,420 --> 00:43:50,608

the rirs website RI aus org dot a you

1018

00:43:47,269 --> 00:43:53,369

follow us on twitter at our iOS and like

1019

00:43:50,608 --> 00:43:56,239

us on Facebook I'm Tanya Meyer and we'll

1020

00:43:53,369 --> 00:43:56,240

catch you next week

1021

00:44:03,849 --> 00:44:09,829

the skeptic magazine the journal from

1022

00:44:06,679 --> 00:44:12,048

Australian skeptics subscribe online to

1023

00:44:09,829 --> 00:44:17,359

the world's second oldest skeptical

1024

00:44:12,048 --> 00:44:20,119

magazine visit w WC apx com au and click

1025

00:44:17,358 --> 00:44:24,078

the publication's League you can also

1026

00:44:20,119 --> 00:44:27,410

find their over 30 years on back issues

1027  
00:44:24,079 --> 00:44:39,709  
free to download the skeptic magazine

1028  
00:44:27,409 --> 00:44:42,858  
from Australian skeptics now it's time

1029  
00:44:39,708 --> 00:44:48,108  
for dr. Richie reports with dr. Rachel

1030  
00:44:42,858 --> 00:44:50,929  
Dunlop hello listeners and welcome to

1031  
00:44:48,108 --> 00:44:53,389  
dr. hu reports well this week I am

1032  
00:44:50,929 --> 00:44:55,548  
reporting on a news item that announced

1033  
00:44:53,389 --> 00:44:58,038  
the results of a Melbourne aca puncture

1034  
00:44:55,548 --> 00:45:00,498  
study proclaiming in the headline that

1035  
00:44:58,039 --> 00:45:04,819  
acupuncture is as effective as drugs in

1036  
00:45:00,498 --> 00:45:07,009  
treating pain trial shows so the article

1037  
00:45:04,818 --> 00:45:09,259  
begins with an acupuncture trial in for

1038  
00:45:07,009 --> 00:45:11,719  
emergency department in Melbourne has

1039  
00:45:09,259 --> 00:45:14,568  
found it is just as good as drugs in

1040  
00:45:11,719 --> 00:45:17,900  
relieving lower back pain and that from

1041  
00:45:14,568 --> 00:45:19,940  
sprained ankles and migraines emergency

1042  
00:45:17,900 --> 00:45:22,369  
physicians at the Alfred northern

1043  
00:45:19,940 --> 00:45:23,838  
cabrini and epworth hospitals partnered

1044  
00:45:22,369 --> 00:45:25,749  
with the Royal Melbourne Institute of

1045  
00:45:23,838 --> 00:45:28,308  
Technology's school of health sciences

1046  
00:45:25,748 --> 00:45:30,498  
to see if acupuncture could relieve

1047  
00:45:28,309 --> 00:45:33,499  
acute pain in hundreds of patients

1048  
00:45:30,498 --> 00:45:35,958  
presenting to hospital with either lower

1049  
00:45:33,498 --> 00:45:38,778  
back pain sprained ankles or migraines

1050  
00:45:35,958 --> 00:45:41,958  
ok sounds good right but then there's

1051  
00:45:38,778 --> 00:45:43,998  
this while data from the study is still

1052  
00:45:41,958 --> 00:45:47,328  
being analyzed and finalized for

1053  
00:45:43,998 --> 00:45:49,278  
publication in a medical journal one of

1054  
00:45:47,329 --> 00:45:51,318  
the researchers dr. Michael been mayor

1055

00:45:49,278 --> 00:45:53,630  
said it showed acupuncture offered the

1056  
00:45:51,318 --> 00:45:56,298  
same level of pain relief as analgesic

1057  
00:45:53,630 --> 00:45:59,619  
drugs when patients rated their pain one

1058  
00:45:56,298 --> 00:46:02,869  
hour after treatment whoa whoa whoa whoa

1059  
00:45:59,619 --> 00:46:05,599  
wait a second let's go back there to see

1060  
00:46:02,869 --> 00:46:08,209  
what this says again did i just read

1061  
00:46:05,599 --> 00:46:09,380  
this right while data from the study is

1062  
00:46:08,208 --> 00:46:13,039  
still being analyzed

1063  
00:46:09,380 --> 00:46:15,079  
and finalized for publication so it's

1064  
00:46:13,039 --> 00:46:17,269  
not even been published yet and the data

1065  
00:46:15,079 --> 00:46:19,099  
is still being analyzed and the

1066  
00:46:17,269 --> 00:46:21,699  
researchers are going to the media to

1067  
00:46:19,099 --> 00:46:24,199  
talk about their results what the actual

1068  
00:46:21,699 --> 00:46:26,000  
why are these researchers apparently

1069  
00:46:24,199 --> 00:46:27,799

alerting the media to their findings

1070

00:46:26,000 --> 00:46:30,320

when they haven't even passed peer

1071

00:46:27,800 --> 00:46:31,880

review well I have a few ideas on why

1072

00:46:30,320 --> 00:46:34,010

this might be which I'll get to in a

1073

00:46:31,880 --> 00:46:36,170

minute but firstly it's obviously

1074

00:46:34,010 --> 00:46:38,150

difficult to me impossible to critique

1075

00:46:36,170 --> 00:46:40,639

the findings effectively in lieu of a

1076

00:46:38,150 --> 00:46:42,530

paper however I did find a detailed

1077

00:46:40,639 --> 00:46:44,960

description published on a trials

1078

00:46:42,530 --> 00:46:47,780

website which outlines the methodology

1079

00:46:44,960 --> 00:46:50,539

and it describes three treatment groups

1080

00:46:47,780 --> 00:46:53,480

one standard pharmaceutical care alone

1081

00:46:50,539 --> 00:46:56,000

and this included a range of analgesics

1082

00:46:53,480 --> 00:46:59,960

including end own panadeine for troll

1083

00:46:56,000 --> 00:47:03,050

Terran and Valium to acupuncture alone

1084  
00:46:59,960 --> 00:47:04,849  
group 3 a combination of acupuncture

1085  
00:47:03,050 --> 00:47:06,890  
with standard pharmaceutical care

1086  
00:47:04,849 --> 00:47:08,839  
combined well the trouble with

1087  
00:47:06,889 --> 00:47:10,759  
acupuncture is it's hard to blind people

1088  
00:47:08,840 --> 00:47:12,829  
to the treatment so researchers

1089  
00:47:10,760 --> 00:47:15,800  
sometimes use what's known as sham

1090  
00:47:12,829 --> 00:47:17,960  
acupuncture this means that needles are

1091  
00:47:15,800 --> 00:47:20,660  
still used but they're either inserted

1092  
00:47:17,960 --> 00:47:24,500  
in the wrong place IE not along the

1093  
00:47:20,659 --> 00:47:26,960  
magical meridian lines or they are not

1094  
00:47:24,500 --> 00:47:30,289  
inserted far enough to have an apparent

1095  
00:47:26,960 --> 00:47:32,179  
effect this way the researchers can

1096  
00:47:30,289 --> 00:47:34,250  
control whether the acupuncture is

1097  
00:47:32,179 --> 00:47:37,309  
having a real effect or if it's a

1098  
00:47:34,250 --> 00:47:39,559  
placebo effect since it's not indicated

1099  
00:47:37,309 --> 00:47:41,420  
if a sham acupuncture was used here

1100  
00:47:39,559 --> 00:47:43,489  
there's no way to determine whether the

1101  
00:47:41,420 --> 00:47:47,090  
effect from the acupuncture was real or

1102  
00:47:43,489 --> 00:47:48,829  
placebo so patients reported they felt

1103  
00:47:47,090 --> 00:47:50,539  
as much pain relief from acupuncture

1104  
00:47:48,829 --> 00:47:54,440  
after one hour as they did on

1105  
00:47:50,539 --> 00:47:56,029  
painkillers well sure but we can't draw

1106  
00:47:54,440 --> 00:47:58,250  
any conclusions from this without an

1107  
00:47:56,030 --> 00:48:00,200  
acupuncture control group pain as

1108  
00:47:58,250 --> 00:48:02,059  
everyone is well aware is extremely

1109  
00:48:00,199 --> 00:48:06,139  
subjective and therefore highly

1110  
00:48:02,059 --> 00:48:08,000  
susceptible to placebo plus people often

1111  
00:48:06,139 --> 00:48:10,400  
feel better after one hour of treatment

1112

00:48:08,000 --> 00:48:12,079  
anyway it's because they've been in

1113  
00:48:10,400 --> 00:48:14,809  
hospital and they've been attended to

1114  
00:48:12,079 --> 00:48:17,239  
they've been looked after they've had a

1115  
00:48:14,809 --> 00:48:20,449  
doctor take care of them of course they

1116  
00:48:17,239 --> 00:48:21,919  
feel better without effective blinding

1117  
00:48:20,449 --> 00:48:23,239  
of these treatments there's simply no

1118  
00:48:21,920 --> 00:48:25,430  
way to tell if this

1119  
00:48:23,239 --> 00:48:27,739  
fact is real and in addition as

1120  
00:48:25,429 --> 00:48:30,710  
listeners are probably well aware the

1121  
00:48:27,739 --> 00:48:32,839  
placebo effect is a curious based the

1122  
00:48:30,710 --> 00:48:34,940  
more invasive a procedure the stronger

1123  
00:48:32,840 --> 00:48:37,190  
the placebo can be so you can imagine

1124  
00:48:34,940 --> 00:48:39,289  
having needles stuck in you is likely to

1125  
00:48:37,190 --> 00:48:41,990  
make you think your pain has reduced as

1126  
00:48:39,289 --> 00:48:44,989

much or even more than if you took a

1127

00:48:41,989 --> 00:48:46,969

tiny white aspirin another issue with

1128

00:48:44,989 --> 00:48:48,349

this study being not blinded is it may

1129

00:48:46,969 --> 00:48:49,939

have selected for patients who are

1130

00:48:48,349 --> 00:48:52,759

sympathetic to the efficacy of

1131

00:48:49,940 --> 00:48:54,500

acupuncture so if you turn up to the

1132

00:48:52,760 --> 00:48:55,880

accident and emergency department and

1133

00:48:54,500 --> 00:48:58,550

someone says do you want to be in an

1134

00:48:55,880 --> 00:49:00,890

acupuncture trial if you're me you'll

1135

00:48:58,550 --> 00:49:03,260

say no thank you very much please get me

1136

00:49:00,889 --> 00:49:05,269

some real drugs but if you're somebody

1137

00:49:03,260 --> 00:49:07,220

who is sympathetic to acupuncture or

1138

00:49:05,269 --> 00:49:09,829

believes in acupuncture then you're more

1139

00:49:07,219 --> 00:49:11,989

likely to say yes this will then also

1140

00:49:09,829 --> 00:49:13,819

influence the pain perception of these

1141  
00:49:11,989 --> 00:49:16,729  
people if you believe it then it

1142  
00:49:13,820 --> 00:49:18,410  
probably works we also must consider the

1143  
00:49:16,730 --> 00:49:21,230  
role of wanting to please the nice

1144  
00:49:18,409 --> 00:49:23,118  
doctor patients may report a reduction

1145  
00:49:21,230 --> 00:49:26,449  
in pain later found to be the equivalent

1146  
00:49:23,119 --> 00:49:28,400  
of analgesics as reported however this

1147  
00:49:26,449 --> 00:49:30,169  
is questionable because there have been

1148  
00:49:28,400 --> 00:49:33,108  
fussed over and may be taken to a

1149  
00:49:30,170 --> 00:49:35,119  
private room to lie down and relax all

1150  
00:49:33,108 --> 00:49:37,759  
of these things can introduce

1151  
00:49:35,119 --> 00:49:40,250  
confounding variables into studies which

1152  
00:49:37,760 --> 00:49:41,840  
is why controls are critical the

1153  
00:49:40,250 --> 00:49:44,358  
appropriate controls were simply not

1154  
00:49:41,840 --> 00:49:47,539  
used here making these findings pretty

1155  
00:49:44,358 --> 00:49:49,549  
much worthless so this is part of the

1156  
00:49:47,539 --> 00:49:51,619  
reason why I think this study has not

1157  
00:49:49,550 --> 00:49:53,150  
been published yet all of which leads me

1158  
00:49:51,619 --> 00:49:55,100  
back to why has been announced in the

1159  
00:49:53,150 --> 00:49:58,220  
press and not in the pages of peer

1160  
00:49:55,099 --> 00:50:00,489  
review I suspect this study might not

1161  
00:49:58,219 --> 00:50:02,868  
pass peer review without sham controls

1162  
00:50:00,489 --> 00:50:05,179  
also odd is that the research data

1163  
00:50:02,869 --> 00:50:08,090  
Australia website since the trial began

1164  
00:50:05,179 --> 00:50:11,629  
in 2008 and was due for completion in

1165  
00:50:08,090 --> 00:50:13,700  
2011 so why have the results not being

1166  
00:50:11,630 --> 00:50:16,910  
published yet is it because they likely

1167  
00:50:13,699 --> 00:50:18,799  
won't be this would be a very big worry

1168  
00:50:16,909 --> 00:50:20,509  
for the researchers especially given

1169

00:50:18,800 --> 00:50:23,269  
that the National Health and Medical

1170  
00:50:20,510 --> 00:50:24,950  
Research Council gave these guys four

1171  
00:50:23,269 --> 00:50:26,570  
hundred and sixteen thousand three

1172  
00:50:24,949 --> 00:50:30,679  
hundred and one dollars to conduct this

1173  
00:50:26,570 --> 00:50:32,630  
trial even more of a worry though is the

1174  
00:50:30,679 --> 00:50:34,519  
researchers apparent disregard for the

1175  
00:50:32,630 --> 00:50:37,369  
Australian code for the responsible

1176  
00:50:34,519 --> 00:50:40,579  
conduct of research section four point

1177  
00:50:37,369 --> 00:50:42,949  
2.1 says discussing research findings in

1178  
00:50:40,579 --> 00:50:44,779  
the public arena should not occur until

1179  
00:50:42,949 --> 00:50:47,179  
the findings have been tested through

1180  
00:50:44,780 --> 00:50:49,190  
peer review in discussing the outcomes

1181  
00:50:47,179 --> 00:50:51,529  
of a research project special care

1182  
00:50:49,190 --> 00:50:53,960  
should be taken to explain the status of

1183  
00:50:51,530 --> 00:50:56,380

the project for example whether it is

1184

00:50:53,960 --> 00:50:59,389

still in progress or has been finalized

1185

00:50:56,380 --> 00:51:01,519

so in this particular article it was

1186

00:50:59,389 --> 00:51:02,839

made clear that these findings have not

1187

00:51:01,519 --> 00:51:06,050

been published and are still being

1188

00:51:02,840 --> 00:51:07,760

analyzed however several days later one

1189

00:51:06,050 --> 00:51:10,460

of the lead researchers from this study

1190

00:51:07,760 --> 00:51:12,950

went on radio in New South Wales and did

1191

00:51:10,460 --> 00:51:15,619

not make it clear that this study has

1192

00:51:12,949 --> 00:51:17,299

not been published I'm all for the

1193

00:51:15,619 --> 00:51:18,739

systematic investigation of

1194

00:51:17,300 --> 00:51:21,410

complementary and alternative medicine

1195

00:51:18,739 --> 00:51:22,939

including traditional Chinese medicine

1196

00:51:21,409 --> 00:51:25,099

but in order to get any meaningful

1197

00:51:22,940 --> 00:51:27,920

results we must do this with correctly

1198  
00:51:25,099 --> 00:51:30,019  
designed clinical trials in this case

1199  
00:51:27,920 --> 00:51:31,970  
the horse has bolted people will now

1200  
00:51:30,019 --> 00:51:34,039  
think that acupuncture works just as

1201  
00:51:31,969 --> 00:51:36,500  
well for pain relief as analgesics and

1202  
00:51:34,039 --> 00:51:39,259  
this constitutes bad practice and bad

1203  
00:51:36,500 --> 00:51:41,539  
science in my opinion you can find three

1204  
00:51:39,260 --> 00:51:43,460  
blog posts related to this piece on the

1205  
00:51:41,539 --> 00:51:46,789  
official blog of the skeptic zone at

1206  
00:51:43,460 --> 00:51:50,740  
skeptics book calm and until next time

1207  
00:51:46,789 --> 00:51:50,739  
this has been dr. heu reports

1208  
00:51:51,670 --> 00:51:53,730  
you

1209  
00:51:58,289 --> 00:52:03,730  
but gasps yours is an award-winning

1210  
00:52:00,730 --> 00:52:06,608  
weekly science show in French hosted by

1211  
00:52:03,730 --> 00:52:08,889  
a bunch of crazy enthusiasts we are

1212  
00:52:06,608 --> 00:52:11,230  
convinced that the greatest ideas in

1213  
00:52:08,889 --> 00:52:13,480  
science are quite easy to grasp as long

1214  
00:52:11,230 --> 00:52:16,030  
as they are presented with passion using

1215  
00:52:13,480 --> 00:52:18,190  
a vocabulary common to all curious minds

1216  
00:52:16,030 --> 00:52:21,309  
whatever their academic background if

1217  
00:52:18,190 --> 00:52:24,010  
any you don't understand French yet why

1218  
00:52:21,309 --> 00:52:25,869  
it's never too late all our stories have

1219  
00:52:24,010 --> 00:52:27,670  
a written transcript on the website and

1220  
00:52:25,869 --> 00:52:29,798  
people from all around the world are

1221  
00:52:27,670 --> 00:52:32,889  
using our content to learn Maria's

1222  
00:52:29,798 --> 00:52:35,318  
language our topics range from 0 to

1223  
00:52:32,889 --> 00:52:37,690  
infinity from evolution to artificial

1224  
00:52:35,318 --> 00:52:40,329  
life from electromagnetism to the

1225  
00:52:37,690 --> 00:52:43,539  
science of introverts we just love

1226

00:52:40,329 --> 00:52:46,329  
mathematics science critical thinking so

1227  
00:52:43,539 --> 00:52:48,039  
do you want to join you can subscribe to

1228  
00:52:46,329 --> 00:52:50,710  
the podcast for free from our website

1229  
00:52:48,039 --> 00:52:53,380  
podcast science tops FM that's in one

1230  
00:52:50,710 --> 00:52:55,780  
word you also find us on itunes and

1231  
00:52:53,380 --> 00:52:57,760  
soundcloud see you soon hopefully a

1232  
00:52:55,780 --> 00:53:00,298  
Telugu secure year at the other words or

1233  
00:52:57,760 --> 00:53:00,299  
pedestrians

1234  
00:53:15,949 --> 00:53:21,179  
thank you for listening to the skeptic

1235  
00:53:18,780 --> 00:53:23,700  
zone yes coming up in the next week's I

1236  
00:53:21,179 --> 00:53:25,649  
imagine as soon as I can get my hands on

1237  
00:53:23,699 --> 00:53:28,469  
them reports former answer give

1238  
00:53:25,650 --> 00:53:31,590  
interviewing people at the wonderful QED

1239  
00:53:28,469 --> 00:53:34,289  
convention in Manchester in the UK oh I

1240  
00:53:31,590 --> 00:53:36,780

hope I hope he had time to talk to dr.

1241  
00:53:34,289 --> 00:53:38,340  
Richard Wiseman what a fine fellow he is

1242  
00:53:36,780 --> 00:53:40,830  
what an interesting man but I'm sure

1243  
00:53:38,340 --> 00:53:43,980  
lots of good interviews are coming our

1244  
00:53:40,829 --> 00:53:45,840  
way I happen to notice also that right

1245  
00:53:43,980 --> 00:53:49,139  
now in the Czech Republic in this little

1246  
00:53:45,840 --> 00:53:52,230  
city of Allah motes is the fo the all

1247  
00:53:49,139 --> 00:53:53,969  
emotes science film festival which I

1248  
00:53:52,230 --> 00:53:56,550  
attended last year and if anybody's

1249  
00:53:53,969 --> 00:53:58,739  
listening who is attending that festival

1250  
00:53:56,550 --> 00:54:01,019  
all the best it so it's a wonderful

1251  
00:53:58,739 --> 00:54:03,839  
festival to be at and I was so pleased

1252  
00:54:01,019 --> 00:54:07,079  
to be there last year in fact our friend

1253  
00:54:03,840 --> 00:54:09,870  
dr. Bashir Assad the man who's trying to

1254  
00:54:07,079 --> 00:54:12,269  
go to Mars he's there at the film

1255  
00:54:09,869 --> 00:54:14,849  
festival this year I besh hope you're

1256  
00:54:12,269 --> 00:54:16,980  
having a great time but for now for this

1257  
00:54:14,849 --> 00:54:23,400  
week this is Richard Saunders signing

1258  
00:54:16,980 --> 00:54:25,860  
off from Sydney Australia you've been

1259  
00:54:23,400 --> 00:54:30,630  
listening to the skeptic zone

1260  
00:54:25,860 --> 00:54:33,690  
visit our website at [www.skeptics on TV](http://www.skepticsontv.com)

1261  
00:54:30,630 --> 00:54:36,320  
for comments contacts and extra video

1262  
00:54:33,690 --> 00:54:36,320  
reports

1263  
00:54:39,199 --> 00:54:41,230  
Oh