

Episode 703

THE  
**SKEPTIC  
ZONE**  
PODCAST

27 March 2022

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The Skeptic Zone Podcast  
Episode 703 - 27 March 2022



Richard Saunders

The Skeptic Zone Podcast  
Episode 703 - 27 March 2022



Tim Mendham

The Skeptic Zone Podcast  
Episode 703 - 27 March 2022



Adrienne Hill

Meta in trouble for  
scams on Facebook

The Book  
of Tim

Australian Skeptics News  
with Adrienne Hill

TROVE  
More Paranormal



1  
00:00:00,000 --> 00:00:06,550

[Music]

2  
00:00:16,820 --> 00:00:09,190

welcome to the skeptic zone the podcast

3  
00:00:25,509 --> 00:00:23,670

[Music]

4  
00:00:27,390 --> 00:00:25,519

yes it's the skeptic's own podcast

5  
00:00:29,710 --> 00:00:27,400

episode number

6  
00:00:34,229 --> 00:00:29,720

703 for the

7  
00:00:37,190 --> 00:00:34,239

27th of march 2022

8  
00:00:38,790 --> 00:00:37,200

i know sometimes i say 2021

9  
00:00:40,709 --> 00:00:38,800

you know how it is maybe you'll like me

10  
00:00:41,670 --> 00:00:40,719

it's richard saunders here by the way

11  
00:00:43,190 --> 00:00:41,680

you're

12  
00:00:45,110 --> 00:00:43,200

you could be like me

13  
00:00:46,869 --> 00:00:45,120

sometimes especially in the first part

14

00:00:48,310 --> 00:00:46,879

of any given year you keep saying it's

15

00:00:51,670 --> 00:00:48,320

the last year

16

00:00:54,790 --> 00:00:51,680

i remember when the years ticked over to

17

00:00:56,790 --> 00:00:54,800

uh from 1999 to the year 2000 for some

18

00:00:59,029 --> 00:00:56,800

years after that i would catch myself

19

00:01:00,709 --> 00:00:59,039

starting to write the date or the year

20

00:01:04,229 --> 00:01:00,719

with one nine

21

00:01:05,750 --> 00:01:04,239

as if it was still 19 something or other

22

00:01:07,830 --> 00:01:05,760

maybe you're like me

23

00:01:10,149 --> 00:01:07,840

what am i doing oh yes it's the skeptic

24

00:01:12,469 --> 00:01:10,159

zone podcast episode i've said all that

25

00:01:14,149 --> 00:01:12,479

it's a rainy day here in sydney again

26

00:01:16,710 --> 00:01:14,159

can you believe it again what's coming

27

00:01:18,390 --> 00:01:16,720

up on this week's show what's coming up

28

00:01:20,390 --> 00:01:18,400

we're going to start with a story sort

29

00:01:21,590 --> 00:01:20,400

of a catch-up story some weeks ago i

30

00:01:23,350 --> 00:01:21,600

talked about

31

00:01:25,910 --> 00:01:23,360

facebook running

32

00:01:28,710 --> 00:01:25,920

well in my opinion very unwise

33

00:01:30,550 --> 00:01:28,720

advertising for dodgy products

34

00:01:33,109 --> 00:01:30,560

devices that can't possibly work

35

00:01:36,069 --> 00:01:33,119

services like psychic services which in

36

00:01:38,469 --> 00:01:36,079

our opinion certainly don't work

37

00:01:40,710 --> 00:01:38,479

and in the last week or so

38

00:01:42,069 --> 00:01:40,720

facebook meta matter being the parent

39

00:01:42,950 --> 00:01:42,079

company of course have

40

00:01:45,350 --> 00:01:42,960

found

41

00:01:47,910 --> 00:01:45,360

themselves being sued by the australian

42

00:01:49,590 --> 00:01:47,920

competition and consumer commission here

43

00:01:50,789 --> 00:01:49,600

in australia

44

00:01:57,030 --> 00:01:50,799

for

45

00:01:58,550 --> 00:01:57,040

or crypto schemes a couple of years back

46

00:01:59,670 --> 00:01:58,560

so we covered this story and posed the

47

00:02:02,709 --> 00:01:59,680

question well

48

00:02:03,830 --> 00:02:02,719

if facebook can get sued or meta might

49

00:02:06,310 --> 00:02:03,840

be more

50

00:02:08,150 --> 00:02:06,320

uh precise can get sued i'll have action

51

00:02:09,589 --> 00:02:08,160

taken against it for this sort of

52

00:02:12,229 --> 00:02:09,599

advertising

53

00:02:13,510 --> 00:02:12,239

then why not for other dodgy products

54

00:02:15,990 --> 00:02:13,520

following that it's the australian

55

00:02:16,869 --> 00:02:16,000

skeptics newsletter read once again

56

00:02:21,510 --> 00:02:16,879

with

57

00:02:23,510 --> 00:02:21,520

from canada what's coming up

58

00:02:25,510 --> 00:02:23,520

what's the news what's happening

59

00:02:27,990 --> 00:02:25,520

with australian skeptics compiled by tim

60

00:02:29,990 --> 00:02:28,000

bendum and then tim joins us for the

61

00:02:32,309 --> 00:02:30,000

book of tim and this week a very

62

00:02:35,430 --> 00:02:32,319

interesting first part of a two-parter

63

00:02:36,630 --> 00:02:35,440

tim looks at the history of the word

64

00:02:41,030 --> 00:02:36,640

quack

65

00:02:43,190 --> 00:02:41,040

civilizations

66

00:02:46,949 --> 00:02:43,200

this week starting with

67

00:02:49,270 --> 00:02:46,959

the practices of ancient greece

68

00:02:51,270 --> 00:02:49,280

and this is a story written by tim

69

00:02:52,869 --> 00:02:51,280

harding

70

00:02:54,630 --> 00:02:52,879

then to round off the show it's back to

71

00:02:55,509 --> 00:02:54,640

the trove archives

72

00:02:57,110 --> 00:02:55,519

and

73

00:02:58,390 --> 00:02:57,120

an interesting trove of archives this

74

00:03:00,070 --> 00:02:58,400

week i hope they're always interesting

75

00:03:03,670 --> 00:03:00,080

we're going to look at amongst other

76  
00:03:05,670 --> 00:03:03,680  
things a book review from 1975 a book

77  
00:03:08,630 --> 00:03:05,680  
called superminds

78  
00:03:10,869 --> 00:03:08,640  
where the author was of the opinion that

79  
00:03:12,309 --> 00:03:10,879  
any day now

80  
00:03:14,229 --> 00:03:12,319  
psychic

81  
00:03:15,430 --> 00:03:14,239  
skills and feats and things would be a

82  
00:03:17,509 --> 00:03:15,440  
reality

83  
00:03:18,790 --> 00:03:17,519  
and children would be bending spoons in

84  
00:03:24,869 --> 00:03:18,800  
the future

85  
00:03:26,789 --> 00:03:24,879  
would be the 80s the 90s something like

86  
00:03:29,190 --> 00:03:26,799  
that which is now

87  
00:03:30,630 --> 00:03:29,200  
way in our past

88  
00:03:32,070 --> 00:03:30,640

a big shout out to my friends in

89

00:03:35,430 --> 00:03:32,080

victoria and thank you to michelle

90

00:03:38,070 --> 00:03:35,440

bigesma and ko for arranging

91

00:03:40,550 --> 00:03:38,080

for me last week to speak at the vic

92

00:03:41,750 --> 00:03:40,560

skeptics cafe i gave a talk about the

93

00:03:43,509 --> 00:03:41,760

great australian psychic prediction

94

00:03:45,430 --> 00:03:43,519

project it was a good turnout

95

00:03:46,949 --> 00:03:45,440

and it was so much fun to see all my old

96

00:03:48,229 --> 00:03:46,959

friends in victoria who haven't seen for

97

00:03:50,630 --> 00:03:48,239

a long time

98

00:03:52,149 --> 00:03:50,640

and to have a chat you know take

99

00:03:52,949 --> 00:03:52,159

questions about my talk and then just

100

00:03:55,589 --> 00:03:52,959

have a

101  
00:03:58,309 --> 00:03:55,599  
an informal catch up so thank you

102  
00:03:59,110 --> 00:03:58,319  
all concerned it was really great

103  
00:04:01,750 --> 00:03:59,120  
but

104  
00:04:05,509 --> 00:04:01,760  
now it's time for me to run downstairs

105  
00:04:06,789 --> 00:04:05,519  
and try a nice hot buttered crumpet

106  
00:04:12,390 --> 00:04:06,799  
crumpets

107  
00:04:15,350 --> 00:04:12,400  
childhood favorite of mine i remember my

108  
00:04:16,550 --> 00:04:15,360  
grandma used to make hot buttery

109  
00:04:18,469 --> 00:04:16,560  
crumpets

110  
00:04:40,230 --> 00:04:18,479  
good times while i do that i hope you

111  
00:04:43,670 --> 00:04:41,830  
here's an interesting story an

112  
00:04:45,670 --> 00:04:43,680  
interesting story to be sure

113  
00:04:47,189 --> 00:04:45,680

concerning meta

114

00:04:50,390 --> 00:04:47,199

facebook

115

00:04:53,030 --> 00:04:50,400

and it is being sued here in australia

116

00:04:54,870 --> 00:04:53,040

by the australian competition

117

00:04:57,030 --> 00:04:54,880

and consumer commission

118

00:04:58,550 --> 00:04:57,040

and i pick up the story it's been widely

119

00:05:02,150 --> 00:04:58,560

reported but we'll just pick one at

120

00:05:04,550 --> 00:05:02,160

random here bloomberg bloomberg.com

121

00:05:07,590 --> 00:05:04,560

meta sued by australian watchdog over

122

00:05:09,670 --> 00:05:07,600

scam crypto advertisements and this is

123

00:05:14,230 --> 00:05:09,680

by angus whitley published on the 18th

124

00:05:18,790 --> 00:05:16,469

facebook owner meta platforms inc is

125

00:05:21,350 --> 00:05:18,800

being sued by australia's competition

126  
00:05:24,150 --> 00:05:21,360  
watchdog which alleges the social media

127  
00:05:26,230 --> 00:05:24,160  
giant misled users by publishing scam

128  
00:05:29,029 --> 00:05:26,240  
advertisements featuring

129  
00:05:31,590 --> 00:05:29,039  
unwitting local celebrities the ads

130  
00:05:32,390 --> 00:05:31,600  
promoted cryptocurrency investments and

131  
00:05:35,590 --> 00:05:32,400  
linked

132  
00:05:37,830 --> 00:05:35,600  
to fake media articles that endorsed the

133  
00:05:40,310 --> 00:05:37,840  
schemes the australian competition and

134  
00:05:42,469 --> 00:05:40,320  
consumer commission said friday facebook

135  
00:05:44,550 --> 00:05:42,479  
users probably believe the promotions

136  
00:05:47,029 --> 00:05:44,560  
were associated with the famous people

137  
00:05:47,909 --> 00:05:47,039  
in the ads who included businessman dick

138  
00:05:49,990 --> 00:05:47,919

smith

139

00:05:52,230 --> 00:05:50,000

who incidentally is a founder and patron

140

00:05:54,469 --> 00:05:52,240

of australian skeptics and television

141

00:05:57,029 --> 00:05:54,479

presenter david kosh even though they

142

00:06:00,950 --> 00:05:57,039

had never approved them the watchdog

143

00:06:03,189 --> 00:06:00,960

said mata which also owns instagram

144

00:06:05,670 --> 00:06:03,199

quote engaged in false misleading or

145

00:06:08,629 --> 00:06:05,680

deceptive conduct and quote the a triple

146

00:06:11,350 --> 00:06:08,639

c said the firm's technology enabled

147

00:06:14,070 --> 00:06:11,360

these ads to be targeted at the most

148

00:06:16,990 --> 00:06:14,080

susceptible users the watchdogs said one

149

00:06:20,469 --> 00:06:17,000

individual lost more than

150

00:06:22,550 --> 00:06:20,479

650 000 australian dollars according to

151  
00:06:23,510 --> 00:06:22,560  
the statement

152  
00:06:25,510 --> 00:06:23,520  
quote

153  
00:06:27,510 --> 00:06:25,520  
the essence of our case is that meta is

154  
00:06:29,430 --> 00:06:27,520  
responsible for these ads that it

155  
00:06:30,870 --> 00:06:29,440  
publishes on its platform in quote a

156  
00:06:33,990 --> 00:06:30,880  
triple c

157  
00:06:36,390 --> 00:06:34,000  
chair rod sims said quote it is alleged

158  
00:06:38,710 --> 00:06:36,400  
that mata was aware that the celebrity

159  
00:06:40,790 --> 00:06:38,720  
endorsement cryptocurrency

160  
00:06:42,870 --> 00:06:40,800  
scam ads were being displayed on

161  
00:06:45,189 --> 00:06:42,880  
facebook but did not take sufficient

162  
00:06:47,350 --> 00:06:45,199  
steps to address the issue end quote

163  
00:06:49,670 --> 00:06:47,360

and another quote here

164

00:06:51,110 --> 00:06:49,680

quote we don't want ads seeking to scam

165

00:06:53,189 --> 00:06:51,120

people out of their money or mislead

166

00:06:55,110 --> 00:06:53,199

people on facebook they violate our

167

00:06:57,110 --> 00:06:55,120

policies and are not good for our

168

00:07:00,070 --> 00:06:57,120

community and quote a sydney based

169

00:07:00,950 --> 00:07:00,080

spokeswoman for meta said in a statement

170

00:07:03,589 --> 00:07:00,960

quote

171

00:07:05,749 --> 00:07:03,599

we will review the recent filing by the

172

00:07:07,589 --> 00:07:05,759

a triple c and intend to defend the

173

00:07:10,230 --> 00:07:07,599

proceedings end quote

174

00:07:11,830 --> 00:07:10,240

and i will remember seeing these uh fake

175

00:07:13,830 --> 00:07:11,840

ads

176  
00:07:15,510 --> 00:07:13,840  
year two years ago

177  
00:07:17,189 --> 00:07:15,520  
something like that and

178  
00:07:19,589 --> 00:07:17,199  
remarking at the time

179  
00:07:21,990 --> 00:07:19,599  
or at least remembering that one of them

180  
00:07:23,830 --> 00:07:22,000  
included dick smith which was of course

181  
00:07:25,589 --> 00:07:23,840  
nonsense dick smith would not

182  
00:07:27,110 --> 00:07:25,599  
endorse such

183  
00:07:28,950 --> 00:07:27,120  
such a product

184  
00:07:30,430 --> 00:07:28,960  
now listeners might remember that on the

185  
00:07:32,070 --> 00:07:30,440  
skeptic zone episode

186  
00:07:35,830 --> 00:07:32,080  
693

187  
00:07:40,309 --> 00:07:35,840  
on the 16th of january i ran a story

188  
00:07:41,749 --> 00:07:40,319

and it's entitled facebook and foot pads

189

00:07:43,029 --> 00:07:41,759

where i said

190

00:07:44,629 --> 00:07:43,039

and look at some of the ridiculous

191

00:07:46,950 --> 00:07:44,639

advertisements that appear on facebook

192

00:07:49,589 --> 00:07:46,960

news feeds from foot patches to psychic

193

00:07:51,670 --> 00:07:49,599

fares and even astral projection just

194

00:07:53,589 --> 00:07:51,680

what nonsense is being pushed out to

195

00:07:54,950 --> 00:07:53,599

thousands of facebook users and i

196

00:07:56,950 --> 00:07:54,960

covered some of the

197

00:07:59,830 --> 00:07:56,960

in my opinion

198

00:08:02,710 --> 00:07:59,840

at least questionable advertising

199

00:08:04,950 --> 00:08:02,720

appearing on facebook at the time

200

00:08:07,670 --> 00:08:04,960

so it's worth another look at the moment

201  
00:08:09,430 --> 00:08:07,680  
and as i scroll down my facebook

202  
00:08:11,670 --> 00:08:09,440  
almost immediately i have something

203  
00:08:13,990 --> 00:08:11,680  
called crystal clear psychics we are

204  
00:08:16,469 --> 00:08:14,000  
recruiting all applicants will be fully

205  
00:08:20,629 --> 00:08:18,950  
so must be experienced genuine and

206  
00:08:22,469 --> 00:08:20,639  
highly gifted

207  
00:08:24,230 --> 00:08:22,479  
well i could save them a bit of time i

208  
00:08:25,990 --> 00:08:24,240  
could test them if they want

209  
00:08:27,749 --> 00:08:26,000  
we are recruiting psychics clairvoyance

210  
00:08:30,550 --> 00:08:27,759  
mediums and tarot card readers to join

211  
00:08:31,749 --> 00:08:30,560  
us at crystal clear psychic supply now

212  
00:08:33,029 --> 00:08:31,759  
questionable

213  
00:08:34,630 --> 00:08:33,039

to say the least

214

00:08:37,029 --> 00:08:34,640

now we also have something like this

215

00:08:38,630 --> 00:08:37,039

which you may consider is just religious

216

00:08:40,469 --> 00:08:38,640

instead of making a medical claim but i

217

00:08:42,310 --> 00:08:40,479

would say it was making

218

00:08:43,350 --> 00:08:42,320

a medical claim it says here buddha

219

00:08:45,670 --> 00:08:43,360

stones

220

00:08:48,790 --> 00:08:45,680

free today only

221

00:08:51,990 --> 00:08:48,800

once considered more precious than gold

222

00:08:54,310 --> 00:08:52,000

white jade is a royal crystal

223

00:08:56,150 --> 00:08:54,320

whatever that means used for millennia

224

00:08:58,470 --> 00:08:56,160

to treat ailments

225

00:08:59,829 --> 00:08:58,480

of the mind body and spirit and to me

226

00:09:01,670 --> 00:08:59,839

that's a medical claim if you're

227

00:09:03,509 --> 00:09:01,680

treating ailments in the body

228

00:09:05,110 --> 00:09:03,519

let alone not worrying about the mind

229

00:09:08,070 --> 00:09:05,120

and the spirit

230

00:09:09,110 --> 00:09:08,080

uh it is also often used for chakra

231

00:09:10,550 --> 00:09:09,120

healing

232

00:09:12,710 --> 00:09:10,560

particularly the heart and the crown

233

00:09:14,310 --> 00:09:12,720

chakras well that's good to know

234

00:09:16,070 --> 00:09:14,320

here's the next one

235

00:09:18,230 --> 00:09:16,080

if i scroll down a little bit it says

236

00:09:20,070 --> 00:09:18,240

the nlp toolkit

237

00:09:22,070 --> 00:09:20,080

neuro-linguistic

238

00:09:24,710 --> 00:09:22,080

programming which is widely regarded as

239

00:09:26,630 --> 00:09:24,720

a pseudoscience want to become a master

240

00:09:28,389 --> 00:09:26,640

communicator and influence how others

241

00:09:30,790 --> 00:09:28,399

feel behave and react

242

00:09:33,030 --> 00:09:30,800

if one simple free guide could help you

243

00:09:34,949 --> 00:09:33,040

influence others in every situation so

244

00:09:37,590 --> 00:09:34,959

you can that sentence doesn't make sense

245

00:09:40,630 --> 00:09:37,600

never mind frame your communication with

246

00:09:43,350 --> 00:09:40,640

others to your advantage get more yes

247

00:09:45,910 --> 00:09:43,360

from others and agree with your ideas

248

00:09:49,430 --> 00:09:45,920

make people more responsive to your way

249

00:09:50,949 --> 00:09:49,440

of thinking would this interest you

250

00:09:53,269 --> 00:09:50,959

now one of the things that always

251  
00:09:55,590 --> 00:09:53,279  
worries me about these methods and

252  
00:09:57,509 --> 00:09:55,600  
so on that say that

253  
00:09:58,870 --> 00:09:57,519  
when friends and influence people or

254  
00:10:00,230 --> 00:09:58,880  
make people come around to your point of

255  
00:10:02,470 --> 00:10:00,240  
view or whatever it is what if your

256  
00:10:03,670 --> 00:10:02,480  
point of view is rubbish what if you're

257  
00:10:05,750 --> 00:10:03,680  
wrong

258  
00:10:08,230 --> 00:10:05,760  
from the beginning

259  
00:10:10,150 --> 00:10:08,240  
i think i prefer critical thinking

260  
00:10:12,389 --> 00:10:10,160  
because as much as it's tempting to

261  
00:10:13,350 --> 00:10:12,399  
think i could have some sort of magical

262  
00:10:15,990 --> 00:10:13,360  
system

263  
00:10:19,269 --> 00:10:17,190

make people

264

00:10:22,069 --> 00:10:19,279

see my point of view it's something they

265

00:10:23,590 --> 00:10:22,079

really have to come to themselves

266

00:10:25,110 --> 00:10:23,600

i'm sure every

267

00:10:27,110 --> 00:10:25,120

cult leader in the world would love to

268

00:10:29,590 --> 00:10:27,120

have a magical system to make people

269

00:10:31,110 --> 00:10:29,600

come around to their way of thinking

270

00:10:33,750 --> 00:10:31,120

and another one coming up here what's

271

00:10:36,389 --> 00:10:33,760

this spooky 2 scalar

272

00:10:38,710 --> 00:10:36,399

spooky 2 scalar energy as the most

273

00:10:39,670 --> 00:10:38,720

advanced and effective energy healing

274

00:10:41,990 --> 00:10:39,680

methods

275

00:10:44,310 --> 00:10:42,000

is known for its healing properties it

276

00:10:48,870 --> 00:10:44,320

can be applied to reduce and possibly

277

00:10:54,870 --> 00:10:51,590

discover why over ten thousand backers

278

00:10:56,710 --> 00:10:54,880

worldwide love spooky two scalar

279

00:10:57,590 --> 00:10:56,720

and there is a picture

280

00:10:59,590 --> 00:10:57,600

of

281

00:11:01,350 --> 00:10:59,600

nikola tesla

282

00:11:03,750 --> 00:11:01,360

scalar energy will be the wave of the

283

00:11:04,790 --> 00:11:03,760

future medicine

284

00:11:06,230 --> 00:11:04,800

it says

285

00:11:07,750 --> 00:11:06,240

with a box

286

00:11:10,230 --> 00:11:07,760

two boxes of

287

00:11:13,590 --> 00:11:10,240

some device or other

288

00:11:16,069 --> 00:11:13,600

and a quick click onto their page

289

00:11:18,069 --> 00:11:16,079

spooky 2 scalar is the first scalar

290

00:11:19,829 --> 00:11:18,079

treatment device to provide three

291

00:11:22,069 --> 00:11:19,839

different methods of transmitting

292

00:11:26,829 --> 00:11:22,079

healing scalar waves

293

00:11:30,470 --> 00:11:26,839

pure scalar molecular scalar and rife

294

00:11:33,350 --> 00:11:30,480

scalar needless to say this is

295

00:11:35,350 --> 00:11:33,360

uh considered to be complete

296

00:11:37,590 --> 00:11:35,360

pseudoscience

297

00:11:39,590 --> 00:11:37,600

and of course we have the usual lineup

298

00:11:41,750 --> 00:11:39,600

of people offering psychic services

299

00:11:44,150 --> 00:11:41,760

psychic medium donny young

300

00:11:46,470 --> 00:11:44,160

also available on zoom 30 minute reading

301  
00:11:47,990 --> 00:11:46,480  
psychic medium donna young accurate

302  
00:11:50,069 --> 00:11:48,000  
predictions

303  
00:11:51,350 --> 00:11:50,079  
really she should uh

304  
00:11:53,509 --> 00:11:51,360  
she should have a read of the great

305  
00:11:56,790 --> 00:11:53,519  
australian psychic prediction project

306  
00:11:59,269 --> 00:11:56,800  
book now sixty dollars psychic medium

307  
00:12:01,030 --> 00:11:59,279  
michelle bagnor booker reading

308  
00:12:03,590 --> 00:12:01,040  
michelle's services

309  
00:12:05,910 --> 00:12:03,600  
psychic medium readings receive messages

310  
00:12:09,269 --> 00:12:05,920  
of guidance clarity and comfort from

311  
00:12:11,990 --> 00:12:09,279  
your past over loved ones or guides

312  
00:12:15,590 --> 00:12:12,000  
pendulum readings michelle's pendulum is

313  
00:12:19,110 --> 00:12:15,600

very accurate receive the divine answers

314

00:12:20,230 --> 00:12:19,120

to five closed questions with a pendulum

315

00:12:21,509 --> 00:12:20,240

reading

316

00:12:22,790 --> 00:12:21,519

well

317

00:12:24,949 --> 00:12:22,800

make of that

318

00:12:26,790 --> 00:12:24,959

what you will now what i'm not seeing

319

00:12:29,269 --> 00:12:26,800

now but i do see frequently

320

00:12:31,829 --> 00:12:29,279

are ads with people claiming that they

321

00:12:35,030 --> 00:12:31,839

can remove your curse

322

00:12:37,030 --> 00:12:35,040

or black magic and this is an old scam

323

00:12:38,949 --> 00:12:37,040

here in australia and i'm sure in other

324

00:12:40,389 --> 00:12:38,959

parts of the world

325

00:12:42,389 --> 00:12:40,399

and there is a percentage of the

326

00:12:43,910 --> 00:12:42,399

population who are vulnerable

327

00:12:45,829 --> 00:12:43,920

who really do believe that their

328

00:12:47,190 --> 00:12:45,839

misfortune

329

00:12:49,190 --> 00:12:47,200

or what have you

330

00:12:51,269 --> 00:12:49,200

is the result of

331

00:12:53,110 --> 00:12:51,279

some sort of curse or black magic and

332

00:12:55,670 --> 00:12:53,120

indeed there have been scams in the past

333

00:12:58,069 --> 00:12:55,680

where the scammers get the victims to

334

00:13:00,710 --> 00:12:58,079

bring in cash thousands of dollars in

335

00:13:03,350 --> 00:13:00,720

cash to cleanse the cash

336

00:13:05,269 --> 00:13:03,360

of the evil forces

337

00:13:07,590 --> 00:13:05,279

and of course

338

00:13:08,870 --> 00:13:07,600

the cash is very cleansed because the

339

00:13:10,629 --> 00:13:08,880

poor victim

340

00:13:12,470 --> 00:13:10,639

never sees it again

341

00:13:15,190 --> 00:13:12,480

but to get back to my original point

342

00:13:18,710 --> 00:13:15,200

meta are in trouble for letting

343

00:13:20,470 --> 00:13:18,720

the scam ads appear on their platform

344

00:13:22,629 --> 00:13:20,480

but i think they should take a good hard

345

00:13:25,670 --> 00:13:22,639

look at all the other

346

00:13:28,660 --> 00:13:25,680

to be polite and diplomatic questionable

347

00:13:33,350 --> 00:13:28,670

advertising that is found on facebook

348

00:13:35,110 --> 00:13:33,360

[Music]

349

00:13:38,720 --> 00:13:35,120

i'll link to the original article from

350

00:13:50,470 --> 00:13:38,730

bloomberg in this week's show notes

351  
00:13:56,870 --> 00:13:53,269  
hi there i'm abhijeet and i host the

352  
00:13:58,790 --> 00:13:56,880  
rationable podcast on be rational.com

353  
00:14:00,790 --> 00:13:58,800  
every couple of weeks i science the hell

354  
00:14:03,829 --> 00:14:00,800  
out of alternative medicines health and

355  
00:14:07,350 --> 00:14:03,839  
nutrition fads social media forwards

356  
00:14:09,590 --> 00:14:07,360  
science news and lots more of course you

357  
00:14:11,750 --> 00:14:09,600  
can find all of my articles podcast

358  
00:14:15,670 --> 00:14:11,760  
episodes and lots more on

359  
00:14:24,910 --> 00:14:17,829  
see you there and until then

360  
00:14:24,920 --> 00:14:42,389  
[Music]

361  
00:14:47,030 --> 00:14:44,629  
hello everyone it's adrian hill from

362  
00:14:49,170 --> 00:14:47,040  
canada here to read the highlights from

363  
00:14:50,550 --> 00:14:49,180

the australian skeptics newsletter

364

00:14:53,670 --> 00:14:50,560

[Music]

365

00:14:55,750 --> 00:14:53,680

this is newsletter number 144.

366

00:14:57,750 --> 00:14:55,760

you can subscribe to this newsletter and

367

00:14:59,750 --> 00:14:57,760

get it delivered to your inbox every

368

00:15:00,949 --> 00:14:59,760

other week complete with links to all

369

00:15:03,629 --> 00:15:00,959

the stories

370

00:15:08,550 --> 00:15:05,990

[www.skeptics.com.au](http://www.skeptics.com.au)

371

00:15:12,069 --> 00:15:08,560

but now let's get to the newsletter and

372

00:15:14,550 --> 00:15:12,079

see what tomendum has lined up for us hi

373

00:15:16,949 --> 00:15:14,560

all says tim

374

00:15:19,030 --> 00:15:16,959

is the therapeutics good administration

375

00:15:21,030 --> 00:15:19,040

getting more active in calling alt-med

376

00:15:22,870 --> 00:15:21,040

providers into line over false or

377

00:15:25,110 --> 00:15:22,880

unfounded claims

378

00:15:27,030 --> 00:15:25,120

two companies find in the last couple of

379

00:15:29,829 --> 00:15:27,040

weeks seems to be a higher rate than

380

00:15:31,910 --> 00:15:29,839

normal albeit nowhere near enough to

381

00:15:34,310 --> 00:15:31,920

cover the plethora of complaints made

382

00:15:36,470 --> 00:15:34,320

over the months and years

383

00:15:39,749 --> 00:15:36,480

nonetheless we continue elsewhere with

384

00:15:43,269 --> 00:15:39,759

sears psychics ufos ghosts and the more

385

00:15:44,470 --> 00:15:43,279

positive aspects of helping people learn

386

00:15:46,230 --> 00:15:44,480

read on

387

00:15:53,269 --> 00:15:46,240

tim

388

00:15:56,790 --> 00:15:53,279

[Music]

389

00:15:58,949 --> 00:15:56,800

guilty plea on illegal health claims

390

00:16:00,870 --> 00:15:58,959

gold coast company future pro has

391

00:16:03,749 --> 00:16:00,880

pleaded guilty to seven breaches of the

392

00:16:06,470 --> 00:16:03,759

therapeutic goods act 1989 for the

393

00:16:08,710 --> 00:16:06,480

unlawful import export manufacturer

394

00:16:09,990 --> 00:16:08,720

supply and advertising of herbal

395

00:16:13,509 --> 00:16:10,000

medicines

396

00:16:16,069 --> 00:16:13,519

blood root and gumby gumby

397

00:16:18,470 --> 00:16:16,079

as an aside i have to say i have learned

398

00:16:20,949 --> 00:16:18,480

so much from reading this newsletter at

399

00:16:22,790 --> 00:16:20,959

first i thought there were two green

400

00:16:25,910 --> 00:16:22,800

bendy toys ground up into herbal

401  
00:16:28,230 --> 00:16:25,920  
medicine but now i know that there is a

402  
00:16:30,550 --> 00:16:28,240  
small shrub or tree that is found in

403  
00:16:33,910 --> 00:16:30,560  
australia that is called gumby gumby it

404  
00:16:36,389 --> 00:16:33,920  
is green i wonder how bendy it is

405  
00:16:38,389 --> 00:16:36,399  
now back to the herbal medicine

406  
00:16:40,230 --> 00:16:38,399  
they made claims about the blood root

407  
00:16:42,310 --> 00:16:40,240  
and gumby gumby relating to the

408  
00:16:44,870 --> 00:16:42,320  
prevention and treatment of illnesses

409  
00:16:46,949 --> 00:16:44,880  
including various types of cancers

410  
00:16:48,790 --> 00:16:46,959  
the director of the company also pleaded

411  
00:16:51,189 --> 00:16:48,800  
guilty to a further seven criminal

412  
00:16:55,189 --> 00:16:51,199  
charges with a sentencing hearing set

413  
00:16:59,749 --> 00:16:55,199

for the 28th of april 2022 at southport

414

00:17:06,949 --> 00:17:04,470

homeopathy research seriously sucks

415

00:17:08,549 --> 00:17:06,959

research on homeopathy is often biased

416

00:17:10,949 --> 00:17:08,559

to make it look more effective than it

417

00:17:13,270 --> 00:17:10,959

really is according to a new study

418

00:17:15,750 --> 00:17:13,280

published in the british medical journal

419

00:17:17,270 --> 00:17:15,760

homeopathy researchers routinely neglect

420

00:17:18,949 --> 00:17:17,280

to register the details of their

421

00:17:21,909 --> 00:17:18,959

clinical trials before they publish

422

00:17:23,990 --> 00:17:21,919

their results and unregistered trials

423

00:17:26,710 --> 00:17:24,000

usually provide rosier results that

424

00:17:29,110 --> 00:17:26,720

registered ones the study found

425

00:17:31,590 --> 00:17:29,120

note the link in the headline is to an

426  
00:17:33,750 --> 00:17:31,600  
article in gizmodo getting a copy of the

427  
00:17:35,290 --> 00:17:33,760  
study from the british medical journal

428  
00:17:37,430 --> 00:17:35,300  
is a bit more difficult

429  
00:17:40,710 --> 00:17:37,440  
[Music]

430  
00:17:42,310 --> 00:17:40,720  
ufo photoblog

431  
00:17:45,830 --> 00:17:42,320  
for those interested in serious

432  
00:17:48,230 --> 00:17:45,840  
investigation in ufos or uaps you might

433  
00:17:49,470 --> 00:17:48,240  
like to take a look at photocat that's

434  
00:17:51,029 --> 00:17:49,480  
spelled

435  
00:17:53,750 --> 00:17:51,039  
f-o-t-o-c-a-t

436  
00:17:56,549 --> 00:17:53,760  
since 2000 this has been a project owned

437  
00:17:58,710 --> 00:17:56,559  
and managed by visante juan ballister

438  
00:18:01,590 --> 00:17:58,720

almost with the purpose of creating a

439

00:18:04,390 --> 00:18:01,600

catalog of all worldwide ufo photo

440

00:18:06,470 --> 00:18:04,400

events it is a very skeptical site with

441

00:18:08,060 --> 00:18:06,480

in-depth assessments of claims both

442

00:18:10,070 --> 00:18:08,070

recent and historical

443

00:18:12,789 --> 00:18:10,080

[Music]

444

00:18:14,390 --> 00:18:12,799

brian cox says he doesn't believe in

445

00:18:17,350 --> 00:18:14,400

aliens

446

00:18:20,230 --> 00:18:17,360

physicist tv personality and one-time

447

00:18:22,549 --> 00:18:20,240

pop star brian cox said it is unlikely

448

00:18:25,110 --> 00:18:22,559

that aliens exist because the chances of

449

00:18:28,390 --> 00:18:25,120

sophisticated life evolving like humans

450

00:18:31,190 --> 00:18:28,400

are simply too low the concept of are we

451  
00:18:35,350 --> 00:18:31,200  
alone is looked at in an article in the

452  
00:18:37,669 --> 00:18:35,360  
march 2022 issue of the skeptic

453  
00:18:39,909 --> 00:18:37,679  
fake psychic

454  
00:18:42,870 --> 00:18:39,919  
it's a six-part series of podcasts from

455  
00:18:46,070 --> 00:18:42,880  
bbc sounds on quote the stranger than

456  
00:18:47,909 --> 00:18:46,080  
fiction story of lamar keane a renowned

457  
00:18:50,150 --> 00:18:47,919  
psychic who confessed to being part of

458  
00:18:53,270 --> 00:18:50,160  
an underground network he called the

459  
00:18:55,909 --> 00:18:53,280  
psychic mafia end quote

460  
00:18:58,710 --> 00:18:55,919  
did bulgarian seer predict putin's

461  
00:19:00,870 --> 00:18:58,720  
victory in ukraine

462  
00:19:03,830 --> 00:19:00,880  
it's big news everywhere as you would

463  
00:19:06,070 --> 00:19:03,840

expect when quote putin will become the

464

00:19:09,110 --> 00:19:06,080

lord of the world while europe will

465

00:19:11,510 --> 00:19:09,120

become a wasteland end quote

466

00:19:13,669 --> 00:19:11,520

except that neither the blind seer baba

467

00:19:16,950 --> 00:19:13,679

venga nor her russian interpreter

468

00:19:18,870 --> 00:19:16,960

valentin sidderov actually said it but

469

00:19:21,669 --> 00:19:18,880

what they really said is a more

470

00:19:25,430 --> 00:19:21,679

interesting story

471

00:19:27,430 --> 00:19:25,440

youtube of note vulture watch a new

472

00:19:29,750 --> 00:19:27,440

youtube channel of skeptical videos

473

00:19:31,669 --> 00:19:29,760

takes a look at the healy treatments as

474

00:19:34,789 --> 00:19:31,679

featured in the last newsletter when the

475

00:19:37,350 --> 00:19:34,799

tga issued a 26 thousand dollar fine

476  
00:19:39,909 --> 00:19:37,360  
vulture watch is about quote creating

477  
00:19:42,630 --> 00:19:39,919  
awareness of exploitation irrationality

478  
00:19:43,590 --> 00:19:42,640  
discrimination or misinformation end

479  
00:19:45,430 --> 00:19:43,600  
quote

480  
00:19:47,750 --> 00:19:45,440  
it delves into the motives of such

481  
00:19:50,310 --> 00:19:47,760  
vulturous activities and looks at how it

482  
00:19:52,390 --> 00:19:50,320  
can hold such behavior accountable and

483  
00:19:54,950 --> 00:19:52,400  
so far has looked at homeopathy

484  
00:19:57,669 --> 00:19:54,960  
anti-vaxxers and the healy product and

485  
00:19:58,870 --> 00:19:57,679  
he's only just beginning well worth a

486  
00:20:01,029 --> 00:19:58,880  
watch

487  
00:20:03,110 --> 00:20:01,039  
an interview with mr vulture can be

488  
00:20:04,830 --> 00:20:03,120

heard on the last episode of the skeptic

489

00:20:09,190 --> 00:20:04,840

zone episode

490

00:20:11,750 --> 00:20:09,200

702. the march 2022 issue of the skeptic

491

00:20:14,710 --> 00:20:11,760

is out and it features a look at the

492

00:20:16,870 --> 00:20:14,720

ticks and tactics of high-level athletes

493

00:20:18,630 --> 00:20:16,880

to improve their performance a

494

00:20:20,870 --> 00:20:18,640

combination of superstition and

495

00:20:23,029 --> 00:20:20,880

pseudoscience that is nonetheless very

496

00:20:24,549 --> 00:20:23,039

influential on fans and would be

497

00:20:26,950 --> 00:20:24,559

champions

498

00:20:30,470 --> 00:20:26,960

the issue also features articles on what

499

00:20:33,669 --> 00:20:30,480

exactly is agenda 21 what

500

00:20:35,990 --> 00:20:33,679

do your own research entails how a

501  
00:20:37,669 --> 00:20:36,000  
well-known critic of parapsychology had

502  
00:20:41,270 --> 00:20:37,679  
a change of heart

503  
00:20:43,430 --> 00:20:41,280  
yeah well sort of and much more

504  
00:20:46,630 --> 00:20:43,440  
so if you haven't subscribed yet now is

505  
00:20:49,909 --> 00:20:46,640  
the time to do so

506  
00:20:51,750 --> 00:20:49,919  
resource problem means ghosts becoming

507  
00:20:56,390 --> 00:20:51,760  
dormant

508  
00:20:58,549 --> 00:20:56,400  
dr paul lee a top paranormal expert

509  
00:21:00,950 --> 00:20:58,559  
no one ever quotes a minor paranormal

510  
00:21:03,990 --> 00:21:00,960  
expert says that ghosts have become

511  
00:21:06,950 --> 00:21:04,000  
dormant in the uk's top demon hot spots

512  
00:21:09,029 --> 00:21:06,960  
and they are now very inactive

513  
00:21:11,110 --> 00:21:09,039

quote it could be that a spirit had a

514

00:21:13,510 --> 00:21:11,120

natural source of energy to begin with

515

00:21:15,510 --> 00:21:13,520

which has dwindled away over time

516

00:21:18,470 --> 00:21:15,520

leaving them without the reserves to

517

00:21:19,510 --> 00:21:18,480

manifest anymore end quote the expert

518

00:21:21,830 --> 00:21:19,520

says

519

00:21:23,750 --> 00:21:21,840

but don't fear ghosts can recharge

520

00:21:26,630 --> 00:21:23,760

themselves they just have to find the

521

00:21:34,310 --> 00:21:26,640

right shape plug a job for a top

522

00:21:39,270 --> 00:21:36,630

meteorite will end life on earth on may

523

00:21:42,310 --> 00:21:39,280

6 apparently

524

00:21:44,390 --> 00:21:42,320

a mexican astrologer padme vedante

525

00:21:46,789 --> 00:21:44,400

predicts we have less than two more

526  
00:21:48,549 --> 00:21:46,799  
months before the big kaboom so don't

527  
00:21:51,110 --> 00:21:48,559  
bother packing your bags as there won't

528  
00:21:53,750 --> 00:21:51,120  
be any place to go unfortunately for

529  
00:21:56,549 --> 00:21:53,760  
vedante according to asteroid tracking

530  
00:21:58,710 --> 00:21:56,559  
service space reference nasa being the

531  
00:22:00,789 --> 00:21:58,720  
spoil sports they are are saying the

532  
00:22:02,990 --> 00:22:00,799  
body in question will pass within 10

533  
00:22:06,510 --> 00:22:03,000  
million 275

534  
00:22:11,029 --> 00:22:06,520  
352 kilometers of earth in

535  
00:22:13,850 --> 00:22:11,039  
2092 and is classified as quote not a

536  
00:22:17,270 --> 00:22:13,860  
potentially hazardous object end quote

537  
00:22:18,950 --> 00:22:17,280  
[Music]

538  
00:22:21,350 --> 00:22:18,960

there is more to read in the newsletter

539

00:22:23,270 --> 00:22:21,360

when you sign up but for now this is

540

00:22:28,710 --> 00:22:23,280

adrian hill signing off from the land of

541

00:22:28,720 --> 00:22:33,730

see you later

542

00:22:33,740 --> 00:22:43,590

[Music]

543

00:22:47,350 --> 00:22:45,750

hello this is maynard did you know that

544

00:22:50,870 --> 00:22:47,360

you can listen to the skeptic zone on

545

00:22:55,430 --> 00:22:50,880

youtube yes i know sounds crazy but it's

546

00:22:59,909 --> 00:22:57,990

also you can hear 40 logical fallacies

547

00:23:01,430 --> 00:22:59,919

with michelle bickersmart and funny

548

00:23:05,029 --> 00:23:01,440

sketches with richard saunders and a

549

00:23:18,340 --> 00:23:06,789

just click on the youtube links on the

550

00:23:23,510 --> 00:23:22,149

[Music]

551  
00:23:25,670 --> 00:23:23,520  
and now

552  
00:23:28,390 --> 00:23:25,680  
a reading from the book of tim

553  
00:23:31,160 --> 00:23:28,400  
[Music]

554  
00:23:35,420 --> 00:23:31,170  
with tim menden

555  
00:23:37,430 --> 00:23:35,430  
[Music]

556  
00:23:38,950 --> 00:23:37,440  
[Laughter]

557  
00:23:41,269 --> 00:23:38,960  
and just before we get into the book of

558  
00:23:43,269 --> 00:23:41,279  
tim this week hello tim it's tim here at

559  
00:23:44,710 --> 00:23:43,279  
the skeptic's own studios to record

560  
00:23:45,909 --> 00:23:44,720  
we're going to be uh he's going to be

561  
00:23:47,990 --> 00:23:45,919  
looking at something called the call of

562  
00:23:49,830 --> 00:23:48,000  
the quack but tim before you start to

563  
00:23:51,190 --> 00:23:49,840

read and over the months and the years

564

00:23:53,029 --> 00:23:51,200

you've been reading

565

00:23:54,390 --> 00:23:53,039

excerpts from the magazine what are you

566

00:23:58,630 --> 00:23:54,400

looking for

567

00:24:01,029 --> 00:23:58,640

maybe it's from our listeners who want

568

00:24:02,470 --> 00:24:01,039

to write for the skeptic always welcome

569

00:24:03,430 --> 00:24:02,480

always look forward to the contributions

570

00:24:05,430 --> 00:24:03,440

richard

571

00:24:07,990 --> 00:24:05,440

is it's the lifeblood of a magazine it

572

00:24:09,830 --> 00:24:08,000

is actually original articles or letters

573

00:24:11,590 --> 00:24:09,840

or opinion pieces

574

00:24:12,950 --> 00:24:11,600

or leads even just on stories that are

575

00:24:15,590 --> 00:24:12,960

worthwhile

576

00:24:17,909 --> 00:24:15,600

always happy to consider them and what

577

00:24:19,990 --> 00:24:17,919

is the best thing to do is to email me

578

00:24:21,350 --> 00:24:20,000

with an idea right about what you would

579

00:24:23,110 --> 00:24:21,360

like to write about or what you think

580

00:24:24,549 --> 00:24:23,120

should be covered and then we can

581

00:24:26,310 --> 00:24:24,559

discuss it

582

00:24:27,669 --> 00:24:26,320

and then if you want you can write about

583

00:24:30,310 --> 00:24:27,679

it and we can sort of give you the right

584

00:24:32,549 --> 00:24:30,320

tone to write an article in which is not

585

00:24:34,230 --> 00:24:32,559

too heavy scientific yeah a little

586

00:24:37,110 --> 00:24:34,240

peer-reviewed journal right but

587

00:24:38,390 --> 00:24:37,120

something which is of interest to um the

588

00:24:39,510 --> 00:24:38,400

readers and the readers have a wide

589

00:24:41,269 --> 00:24:39,520

range of

590

00:24:43,590 --> 00:24:41,279

interests themselves

591

00:24:46,149 --> 00:24:43,600

and then we can work out and sort of

592

00:24:49,110 --> 00:24:46,159

process how an article or opinion piece

593

00:24:51,029 --> 00:24:49,120

might work it's best to email me first

594

00:24:52,870 --> 00:24:51,039

because we do get the situation

595

00:24:54,470 --> 00:24:52,880

especially with book reviews when

596

00:24:55,510 --> 00:24:54,480

someone writes a book review and say hey

597

00:24:57,590 --> 00:24:55,520

you should publish this so we have to

598

00:24:59,110 --> 00:24:57,600

say yeah we did the last issue you know

599

00:25:00,710 --> 00:24:59,120

so sorry about that

600

00:25:01,990 --> 00:25:00,720

yeah sorry to waste your effort and time

601  
00:25:03,669 --> 00:25:02,000  
in doing it but it's best that's why

602  
00:25:05,750 --> 00:25:03,679  
it's best to see if it's something's

603  
00:25:07,830 --> 00:25:05,760  
been covered before yeah but welcome it

604  
00:25:08,510 --> 00:25:07,840  
very much they can write to me at editor

605  
00:25:10,310 --> 00:25:08,520  
at

606  
00:25:12,470 --> 00:25:10,320  
skeptics.com.iu

607  
00:25:14,630 --> 00:25:12,480  
and very keen to hear what people might

608  
00:25:16,230 --> 00:25:14,640  
say yeah and some of our listeners have

609  
00:25:17,990 --> 00:25:16,240  
all have done that already over the

610  
00:25:19,750 --> 00:25:18,000  
while and they've ended up in print with

611  
00:25:22,149 --> 00:25:19,760  
reports published and they've become

612  
00:25:23,669 --> 00:25:22,159  
famous and and what a notable

613  
00:25:26,230 --> 00:25:23,679

case in point would be our reporter

614

00:25:27,990 --> 00:25:26,240

adrian hill absolutely who started as a

615

00:25:29,830 --> 00:25:28,000

listener to the skeptic zone and uh

616

00:25:31,590 --> 00:25:29,840

eventually ended up being published in

617

00:25:33,029 --> 00:25:31,600

in the magazine yeah we've published uh

618

00:25:36,390 --> 00:25:33,039

articles and things by a number of the

619

00:25:38,390 --> 00:25:36,400

reporters on the skype exam mandy yes um

620

00:25:41,190 --> 00:25:38,400

uh we've published uh things by trisha

621

00:25:43,269 --> 00:25:41,200

and we published it by

622

00:25:45,110 --> 00:25:43,279

of course may not make it hard of course

623

00:25:47,669 --> 00:25:45,120

over the years yeah occasionally from

624

00:25:50,230 --> 00:25:47,679

what's the guy's name richard richard uh

625

00:25:51,909 --> 00:25:50,240

sunday richard and sundry yesterday

626  
00:25:54,630 --> 00:25:51,919  
by him and two okay sometimes he's a bit

627  
00:25:56,390 --> 00:25:54,640  
annoying but we like to keep him happy

628  
00:25:59,029 --> 00:25:56,400  
anyway folks there's the clue if you

629  
00:26:01,350 --> 00:25:59,039  
think you have an idea to be um

630  
00:26:02,870 --> 00:26:01,360  
considered contact tim send him pitch

631  
00:26:04,549 --> 00:26:02,880  
your idea you might have a book review

632  
00:26:06,390 --> 00:26:04,559  
indeed or you might have a report or a

633  
00:26:08,870 --> 00:26:06,400  
story about some paranormal

634  
00:26:10,630 --> 00:26:08,880  
pseudoscientific thing of an interest to

635  
00:26:12,310 --> 00:26:10,640  
you and you never know you might end up

636  
00:26:13,590 --> 00:26:12,320  
in print but now and then you might end

637  
00:26:14,950 --> 00:26:13,600  
up back on the skeptic zone and you

638  
00:26:16,549 --> 00:26:14,960

might never pick on the scoping side

639

00:26:18,549 --> 00:26:16,559

which will please me

640

00:26:21,029 --> 00:26:18,559

it all it's a cycle of life tim it all

641

00:26:22,870 --> 00:26:21,039

comes around what comes to rank

642

00:26:25,110 --> 00:26:22,880

but now i'll

643

00:26:32,789 --> 00:26:25,120

give it back to you and we can take up

644

00:26:37,269 --> 00:26:35,430

hi my name is team mendom i'm the

645

00:26:39,350 --> 00:26:37,279

executive officer of australian skeptics

646

00:26:42,070 --> 00:26:39,360

inc and editor of our journal the

647

00:26:44,149 --> 00:26:42,080

skeptic which you can download for free

648

00:26:46,710 --> 00:26:44,159

most of the issues from our website

649

00:26:49,350 --> 00:26:46,720

skeptics.com.iu

650

00:26:52,230 --> 00:26:49,360

and today i'll be happy to do the first

651  
00:26:53,590 --> 00:26:52,240  
part of a two-part story called the call

652  
00:26:55,029 --> 00:26:53,600  
of the quack

653  
00:26:57,029 --> 00:26:55,039  
which is by one of our regular

654  
00:26:59,110 --> 00:26:57,039  
correspondents tim harding

655  
00:27:02,310 --> 00:26:59,120  
who looks at the origin of western

656  
00:27:04,230 --> 00:27:02,320  
quackery including the word itself

657  
00:27:06,390 --> 00:27:04,240  
and the worker

658  
00:27:08,760 --> 00:27:06,400  
so if you're interested in quacks and

659  
00:27:14,549 --> 00:27:08,770  
quackery this is the place to start

660  
00:27:18,710 --> 00:27:16,310  
as the australian comedian and musician

661  
00:27:20,870 --> 00:27:18,720  
tim mentioned once said by definition

662  
00:27:23,430 --> 00:27:20,880  
alternative medicine has either not been

663  
00:27:24,230 --> 00:27:23,440

proved to work or has been proved not to

664

00:27:25,590 --> 00:27:24,240

work

665

00:27:27,830 --> 00:27:25,600

you know what they call alternative

666

00:27:29,669 --> 00:27:27,840

medicine that has been proved to work

667

00:27:31,510 --> 00:27:29,679

they call it medicine

668

00:27:33,990 --> 00:27:31,520

the corollary of mentions theoretical

669

00:27:35,590 --> 00:27:34,000

question might be what should we call

670

00:27:37,750 --> 00:27:35,600

alternative medicine that has been

671

00:27:40,389 --> 00:27:37,760

proved not to work

672

00:27:42,470 --> 00:27:40,399

i recently asked this question at my

673

00:27:44,389 --> 00:27:42,480

local skeptics in the pub meeting

674

00:27:46,789 --> 00:27:44,399

eliciting an immediate and resounding

675

00:27:49,269 --> 00:27:46,799

chorus of quackery

676  
00:27:51,590 --> 00:27:49,279  
on his quack watch website dr stephen

677  
00:27:53,830 --> 00:27:51,600  
barrett defines quackery as the

678  
00:27:56,230 --> 00:27:53,840  
promotion of unsubstantiated methods

679  
00:27:57,430 --> 00:27:56,240  
that lack a scientifically plausible

680  
00:27:59,190 --> 00:27:57,440  
rationale

681  
00:28:01,510 --> 00:27:59,200  
this definition includes questionable

682  
00:28:04,310 --> 00:28:01,520  
ideas as well as questionable products

683  
00:28:06,070 --> 00:28:04,320  
and services regardless of the sincerity

684  
00:28:07,909 --> 00:28:06,080  
of their promoters

685  
00:28:10,389 --> 00:28:07,919  
in line with this definition barrett

686  
00:28:12,710 --> 00:28:10,399  
reserves the word fraud only for

687  
00:28:14,230 --> 00:28:12,720  
situations in which deliberate deception

688  
00:28:16,389 --> 00:28:14,240

is involved

689

00:28:19,190 --> 00:28:16,399

so where did quackery come from

690

00:28:21,269 --> 00:28:19,200

the word quack derives from the archaic

691

00:28:23,750 --> 00:28:21,279

word quack solver

692

00:28:26,549 --> 00:28:23,760

of dutch origin literally meaning hawker

693

00:28:28,870 --> 00:28:26,559

of salve s-a-l-v

694

00:28:31,830 --> 00:28:28,880

the quack solvers sold their wares on

695

00:28:33,990 --> 00:28:31,840

the market by shouting in a loud voice

696

00:28:35,510 --> 00:28:34,000

in the middle ages the word quack

697

00:28:37,590 --> 00:28:35,520

meant shouting

698

00:28:39,669 --> 00:28:37,600

these days we tend to associate quackery

699

00:28:42,630 --> 00:28:39,679

with dodgy products and practices from

700

00:28:45,029 --> 00:28:42,640

the 19th century such as snake oil

701  
00:28:47,029 --> 00:28:45,039  
miracle hair tonics magnetic bracelets

702  
00:28:48,950 --> 00:28:47,039  
and homeopathic remedies

703  
00:28:50,870 --> 00:28:48,960  
but the origins of western quackery

704  
00:28:53,430 --> 00:28:50,880  
actually go back much further

705  
00:28:55,990 --> 00:28:53,440  
to the cradle of western civilization in

706  
00:28:57,990 --> 00:28:56,000  
ancient greece and rome

707  
00:29:00,070 --> 00:28:58,000  
in these ancient times scientific

708  
00:29:03,190 --> 00:29:00,080  
experimental methods had not yet been

709  
00:29:04,870 --> 00:29:03,200  
developed let alone clinical trials

710  
00:29:07,110 --> 00:29:04,880  
medical observations were largely

711  
00:29:09,669 --> 00:29:07,120  
confined to patients as individuals

712  
00:29:11,510 --> 00:29:09,679  
rather than as a cohort or group ancient

713  
00:29:13,830 --> 00:29:11,520

physicians were not much better than

714

00:29:15,350 --> 00:29:13,840

naturopaths when it came to empirical

715

00:29:17,590 --> 00:29:15,360

evidence

716

00:29:19,750 --> 00:29:17,600

without scientific data from treatment

717

00:29:21,430 --> 00:29:19,760

groups versus control groups it was

718

00:29:23,590 --> 00:29:21,440

difficult to know which treatments

719

00:29:25,430 --> 00:29:23,600

worked and which didn't

720

00:29:28,389 --> 00:29:25,440

as a result there was no clear dividing

721

00:29:31,029 --> 00:29:28,399

line between medicine and quackery

722

00:29:33,190 --> 00:29:31,039

ancient medicine in quotes

723

00:29:35,269 --> 00:29:33,200

consisted of a mishmash of well-meaning

724

00:29:37,350 --> 00:29:35,279

but misguided treatments by physicians

725

00:29:39,430 --> 00:29:37,360

and surgeons faith healers herbal

726

00:29:42,149 --> 00:29:39,440

remedies aromatherapy other

727

00:29:44,310 --> 00:29:42,159

superstitions and even sorcery or magic

728

00:29:46,149 --> 00:29:44,320

sound familiar that's right many of

729

00:29:48,710 --> 00:29:46,159

these weird ancient beliefs have carried

730

00:29:51,830 --> 00:29:48,720

through to the quackery of today as a

731

00:29:52,950 --> 00:29:51,840

legacy of the vast roman empire

732

00:29:54,950 --> 00:29:52,960

but let's look at the ancient greek

733

00:29:56,950 --> 00:29:54,960

medicine the first notable greek

734

00:29:59,990 --> 00:29:56,960

physician may have been the poet homer

735

00:30:01,590 --> 00:30:00,000

in the 17th or eighth century bce

736

00:30:03,430 --> 00:30:01,600

in his iliad

737

00:30:05,269 --> 00:30:03,440

homer describes various medical

738

00:30:07,430 --> 00:30:05,279

techniques such as the extraction of

739

00:30:09,110 --> 00:30:07,440

arrows the treatment of wounds the

740

00:30:11,990 --> 00:30:09,120

application of dressings and the

741

00:30:13,669 --> 00:30:12,000

dispensing of soothing drugs

742

00:30:15,430 --> 00:30:13,679

the homeric poems

743

00:30:17,669 --> 00:30:15,440

provide a glimpse of ancient medical

744

00:30:19,269 --> 00:30:17,679

ideas and practices long before the

745

00:30:21,350 --> 00:30:19,279

formal documentation of medical

746

00:30:23,590 --> 00:30:21,360

literature it is significant that

747

00:30:25,990 --> 00:30:23,600

practical medical treatment appears to

748

00:30:27,830 --> 00:30:26,000

have been provided in this early period

749

00:30:30,389 --> 00:30:27,840

probably as a matter of military

750

00:30:33,190 --> 00:30:30,399

necessity so that wounded soldiers could

751

00:30:34,870 --> 00:30:33,200

be saved to fight another day

752

00:30:36,710 --> 00:30:34,880

reliance on the gods or faith healing

753

00:30:38,710 --> 00:30:36,720

seems to have come later

754

00:30:40,470 --> 00:30:38,720

to some extent in parallel with advances

755

00:30:43,269 --> 00:30:40,480

in medical treatment

756

00:30:45,990 --> 00:30:43,279

the god of healing asclepius had a

757

00:30:47,990 --> 00:30:46,000

shrine at epiduras in southern greece

758

00:30:50,789 --> 00:30:48,000

where miraculous recoveries were said to

759

00:30:53,350 --> 00:30:50,799

have been made by the sick and lame by

760

00:30:55,590 --> 00:30:53,360

sleeping in the temple overnight

761

00:30:57,230 --> 00:30:55,600

a greek lyric poet from thieves named

762

00:31:01,590 --> 00:30:57,240

pindar

763

00:31:03,509 --> 00:31:01,600

522-443 bc wrote asclepias delivered all

764

00:31:05,029 --> 00:31:03,519  
of them from their different pains

765

00:31:07,350 --> 00:31:05,039  
tending some of them with gentle

766

00:31:09,669 --> 00:31:07,360  
incantations others with soothing

767

00:31:11,750 --> 00:31:09,679  
potions or by wrapping remedies all

768

00:31:14,230 --> 00:31:11,760  
around their limbs and others he's set

769

00:31:15,909 --> 00:31:14,240  
right with surgery

770

00:31:18,230 --> 00:31:15,919  
there are also apothecaries who

771

00:31:20,310 --> 00:31:18,240  
harvested herbs and prepared drugs

772

00:31:23,190 --> 00:31:20,320  
accompanying their ministrations with

773

00:31:24,990 --> 00:31:23,200  
important rituals and incantations

774

00:31:28,070 --> 00:31:25,000  
theophrastus

775

00:31:30,310 --> 00:31:28,080  
371-287 bce who was a student of

776

00:31:33,909 --> 00:31:30,320

aristotle described some of these weird

777

00:31:35,750 --> 00:31:33,919

rituals in his history of plants

778

00:31:38,470 --> 00:31:35,760

and the quote from that they say that

779

00:31:40,070 --> 00:31:38,480

the peony which some call

780

00:31:42,149 --> 00:31:40,080

glycoside

781

00:31:44,149 --> 00:31:42,159

should be dug up at night for if a man

782

00:31:46,950 --> 00:31:44,159

does it in the daytime and is observed

783

00:31:49,029 --> 00:31:46,960

by a woodpecker while he is gathering

784

00:31:50,230 --> 00:31:49,039

the fruit he risks the loss of his

785

00:31:52,310 --> 00:31:50,240

eyesight

786

00:31:56,070 --> 00:31:52,320

and if he is cutting the root at the

787

00:31:57,430 --> 00:31:56,080

time he gets the prolapsed anus

788

00:31:59,269 --> 00:31:57,440

and he continues

789

00:32:01,269 --> 00:31:59,279

once you draw three circles around

790

00:32:03,909 --> 00:32:01,279

mandrake with a sword

791

00:32:06,070 --> 00:32:03,919

and cut it with one's face to the west

792

00:32:08,549 --> 00:32:06,080

and at the cutting of the second piece

793

00:32:10,470 --> 00:32:08,559

once you dance around the plant and say

794

00:32:12,710 --> 00:32:10,480

as many things as possible about the

795

00:32:14,470 --> 00:32:12,720

mysteries of love

796

00:32:15,110 --> 00:32:14,480

i know sound like doctors today doesn't

797

00:32:16,630 --> 00:32:15,120

it

798

00:32:18,310 --> 00:32:16,640

much the same thing

799

00:32:20,310 --> 00:32:18,320

on the other hand the medical literature

800

00:32:22,710 --> 00:32:20,320

subsequently found in greece differed

801  
00:32:25,350 --> 00:32:22,720  
markedly from that found elsewhere it

802  
00:32:27,350 --> 00:32:25,360  
included reasoned arguments and debates

803  
00:32:29,590 --> 00:32:27,360  
reflecting an intellectual openness

804  
00:32:31,509 --> 00:32:29,600  
consistent with greek philosophy rather

805  
00:32:33,669 --> 00:32:31,519  
than medicine as some sort of secret

806  
00:32:35,430 --> 00:32:33,679  
mystical art the links between medicine

807  
00:32:36,789 --> 00:32:35,440  
and philosophy can be traced back to

808  
00:32:39,110 --> 00:32:36,799  
parmenides

809  
00:32:41,029 --> 00:32:39,120  
empidocles and even pythagoras whose

810  
00:32:44,310 --> 00:32:41,039  
ideas on appropriate living

811  
00:32:45,909 --> 00:32:44,320  
including a ban on eating beans

812  
00:32:47,990 --> 00:32:45,919  
fair enough

813  
00:32:50,870 --> 00:32:48,000

athens was one of the first city states

814

00:32:52,389 --> 00:32:50,880

to employ a publicly funded physician as

815

00:32:54,310 --> 00:32:52,399

a more rational alternative to

816

00:32:56,149 --> 00:32:54,320

traditional folk medicine

817

00:32:58,070 --> 00:32:56,159

other greek cities also maintained a

818

00:33:00,149 --> 00:32:58,080

public physician as well as several

819

00:33:02,710 --> 00:33:00,159

private practitioners

820

00:33:04,789 --> 00:33:02,720

the greek historian herodotus tells the

821

00:33:06,789 --> 00:33:04,799

tale of the early greek physician

822

00:33:08,389 --> 00:33:06,799

democracies of croton

823

00:33:10,870 --> 00:33:08,399

who started his career in the civil

824

00:33:13,830 --> 00:33:10,880

service of athens and argona

825

00:33:16,310 --> 00:33:13,840

in 522 bce democracies was captured by

826

00:33:18,710 --> 00:33:16,320

the persians and sent to susa

827

00:33:20,789 --> 00:33:18,720

the persian king darius once sprained

828

00:33:23,990 --> 00:33:20,799

his ankle while he was hunting and his

829

00:33:26,230 --> 00:33:24,000

egyptian doctors seemed to make it worse

830

00:33:28,549 --> 00:33:26,240

their eyes then summoned democritus who

831

00:33:31,750 --> 00:33:28,559

was able to heal the ankle using greek

832

00:33:34,070 --> 00:33:31,760

remedies thomastides was richly rewarded

833

00:33:35,190 --> 00:33:34,080

and hired as a physician of the persian

834

00:33:38,470 --> 00:33:35,200

court

835

00:33:41,350 --> 00:33:38,480

darius's wife atosa later had a breast

836

00:33:44,789 --> 00:33:41,360

ulcer when democritus cured her ulcer he

837

00:33:46,470 --> 00:33:44,799

was allowed to visit greece as a reward

838

00:33:48,950 --> 00:33:46,480

schools of medicine had existed for some

839

00:33:50,950 --> 00:33:48,960

time in various regions of greece

840

00:33:52,470 --> 00:33:50,960

most notably on the island of costs

841

00:33:55,350 --> 00:33:52,480

associated with the famous name of

842

00:33:56,549 --> 00:33:55,360

hippocrates a younger contemporary of

843

00:33:59,430 --> 00:33:56,559

herodotus

844

00:34:01,190 --> 00:33:59,440

hippocrates contribution to medicine is

845

00:34:03,590 --> 00:34:01,200

best remembered today by the ethical

846

00:34:05,590 --> 00:34:03,600

oath bearing his name

847

00:34:07,669 --> 00:34:05,600

the hypocritical very little is known of

848

00:34:09,589 --> 00:34:07,679

hippocrates himself or how much of the

849

00:34:11,430 --> 00:34:09,599

hippocrates medical treatises he

850

00:34:13,430 --> 00:34:11,440

personally wrote

851

00:34:15,909 --> 00:34:13,440

hippocrates is cited in later works by

852

00:34:17,750 --> 00:34:15,919

aristotle and plato but the greek habit

853

00:34:20,550 --> 00:34:17,760

of composing imaginary speeches or

854

00:34:22,069 --> 00:34:20,560

letters by famous people from the past

855

00:34:25,829 --> 00:34:22,079

gradually blurred the distinction

856

00:34:29,430 --> 00:34:27,349

in the following references to

857

00:34:31,349 --> 00:34:29,440

hippocrates are actually references to

858

00:34:34,629 --> 00:34:31,359

the large body of medical literature

859

00:34:36,470 --> 00:34:34,639

bearing his name the hippocratic corpus

860

00:34:38,550 --> 00:34:36,480

hippocrates attempted to put medical

861

00:34:39,829 --> 00:34:38,560

diagnosis and treatment on a rational

862

00:34:41,829 --> 00:34:39,839

basis

863

00:34:43,909 --> 00:34:41,839

he viewed the human body as an organism

864

00:34:45,109 --> 00:34:43,919

whose parts must be understood as a

865

00:34:46,470 --> 00:34:45,119

whole

866

00:34:49,030 --> 00:34:46,480

hippocrates thought that human

867

00:34:52,230 --> 00:34:49,040

physiology comprised four fluids or

868

00:34:54,710 --> 00:34:52,240

humors blood phlegm black bile and

869

00:34:57,430 --> 00:34:54,720

yellow bile corresponding to the four

870

00:34:58,710 --> 00:34:57,440

inanimate elements of earth air fire and

871

00:35:00,230 --> 00:34:58,720

water

872

00:35:02,790 --> 00:35:00,240

disease was thought to result from an

873

00:35:05,030 --> 00:35:02,800

imbalance of these humors resulting in a

874

00:35:06,630 --> 00:35:05,040

disturbance of the natural harmony and

875

00:35:09,109 --> 00:35:06,640

order of the world

876

00:35:11,670 --> 00:35:09,119

so important to classical greek thought

877

00:35:14,470 --> 00:35:11,680

hippocrates also placed emphasis on

878

00:35:16,069 --> 00:35:14,480

prognosis as well as diagnosis so that

879

00:35:17,190 --> 00:35:16,079

the cause of an illness could be

880

00:35:19,270 --> 00:35:17,200

predicted

881

00:35:21,589 --> 00:35:19,280

the more familiarity a physician showed

882

00:35:23,430 --> 00:35:21,599

with a disease the more confidence his

883

00:35:26,390 --> 00:35:23,440

patients would have in him

884

00:35:28,710 --> 00:35:26,400

prognosis also had practical benefits

885

00:35:31,589 --> 00:35:28,720

in planning the medical interventions

886

00:35:33,510 --> 00:35:31,599

that would be needed at different times

887

00:35:35,510 --> 00:35:33,520

in the absence of modern germ theory of

888

00:35:37,990 --> 00:35:35,520

infectious disease the danger to health

889

00:35:40,470 --> 00:35:38,000

from overcrowding within the long walls

890

00:35:43,750 --> 00:35:40,480

of athens was not foreseen resulting in

891

00:35:46,150 --> 00:35:43,760

a devastating plague in 430 bc as

892

00:35:48,230 --> 00:35:46,160

described by the cities in his book the

893

00:35:49,990 --> 00:35:48,240

peloponnesian war

894

00:35:51,750 --> 00:35:50,000

thucydides did not attempt to explain

895

00:35:54,310 --> 00:35:51,760

the reasons for the plague but in the

896

00:35:56,069 --> 00:35:54,320

prognostic tradition of hippocrates

897

00:35:57,910 --> 00:35:56,079

he tried to describe its symptoms and

898

00:35:59,990 --> 00:35:57,920

effects so that if it's struck again it

899

00:36:02,390 --> 00:36:00,000

could be recognized active medical

900

00:36:04,950 --> 00:36:02,400

intervention include cauterizations and

901  
00:36:07,190 --> 00:36:04,960  
bloodletting as well as surgery the

902  
00:36:09,270 --> 00:36:07,200  
rectification of dislocations and the

903  
00:36:12,310 --> 00:36:09,280  
setting of bone fractures

904  
00:36:13,670 --> 00:36:12,320  
other therapies included cupping

905  
00:36:17,109 --> 00:36:13,680  
still around

906  
00:36:18,230 --> 00:36:17,119  
remedies

907  
00:36:20,950 --> 00:36:18,240  
etc

908  
00:36:22,550 --> 00:36:20,960  
potions purgatives and exercises

909  
00:36:24,550 --> 00:36:22,560  
consistent with the idea of bringing the

910  
00:36:27,270 --> 00:36:24,560  
body back into balance

911  
00:36:29,190 --> 00:36:27,280  
still around one rather spectacular

912  
00:36:30,390 --> 00:36:29,200  
treatment often performed in public was

913  
00:36:32,230 --> 00:36:30,400

succussion

914

00:36:33,750 --> 00:36:32,240

where the patient would be tied upside

915

00:36:35,430 --> 00:36:33,760

down to a ladder

916

00:36:38,230 --> 00:36:35,440

and then repeatedly dropped from a

917

00:36:40,150 --> 00:36:38,240

height of several feet

918

00:36:41,990 --> 00:36:40,160

and more concussion than this location

919

00:36:43,589 --> 00:36:42,000

it is unclear what succussion was

920

00:36:45,349 --> 00:36:43,599

supposed to achieve

921

00:36:47,750 --> 00:36:45,359

but it is worth noting that percussion

922

00:36:49,349 --> 00:36:47,760

is a word still used by homeopaths to

923

00:36:51,910 --> 00:36:49,359

describe a shaking step in the

924

00:36:54,710 --> 00:36:51,920

preparation of their water doses

925

00:36:56,950 --> 00:36:54,720

samuel harman the founder of homeopathy

926  
00:36:58,550 --> 00:36:56,960  
believes that surcussion activated the

927  
00:37:01,510 --> 00:36:58,560  
vital energy

928  
00:37:03,510 --> 00:37:01,520  
in quotes of the diluted substance and

929  
00:37:05,270 --> 00:37:03,520  
made it stronger

930  
00:37:06,710 --> 00:37:05,280  
so what you're seeing in the greek days

931  
00:37:12,069 --> 00:37:06,720  
is repeated

932  
00:37:16,069 --> 00:37:14,069  
so that's part one of this article on

933  
00:37:18,150 --> 00:37:16,079  
the call of the quack

934  
00:37:22,470 --> 00:37:18,160  
which is from the skeptic magazine

935  
00:37:24,310 --> 00:37:22,480  
september 2013 volume 33 number three

936  
00:37:25,829 --> 00:37:24,320  
the next talk i'll be taking it up from

937  
00:37:26,790 --> 00:37:25,839  
the roman point of view so we'll look to

938  
00:37:28,950 --> 00:37:26,800

the greek and then we'll look at the

939

00:37:31,510 --> 00:37:28,960

roman and see how they take the idea of

940

00:37:33,130 --> 00:37:31,520

quackery and how it eventually ends up

941

00:37:46,550 --> 00:37:33,140

with us

942

00:37:48,950 --> 00:37:46,560

[Music]

943

00:37:51,670 --> 00:37:48,960

the skeptic the journal from australian

944

00:37:54,390 --> 00:37:51,680

skeptics subscribe online to the world's

945

00:37:58,310 --> 00:37:54,400

second oldest skeptical magazine

946

00:38:02,550 --> 00:38:00,790

and click the magazine link

947

00:38:06,310 --> 00:38:02,560

there you will also find free to

948

00:38:08,630 --> 00:38:06,320

download almost 40 years of back issues

949

00:38:11,589 --> 00:38:08,640

the skeptic the journal from australian

950

00:38:13,670 --> 00:38:11,599

skeptics available as a physical copy or

951  
00:38:17,360 --> 00:38:13,680  
as a digital copy delivered to your

952  
00:38:17,370 --> 00:38:29,430  
[Music]

953  
00:38:29,440 --> 00:38:32,790  
thank you

954  
00:38:37,349 --> 00:38:35,109  
it's time once again to open up the

955  
00:38:39,430 --> 00:38:37,359  
digital pages and you open up a digital

956  
00:38:41,430 --> 00:38:39,440  
page you click on it i guess you click

957  
00:38:43,109 --> 00:38:41,440  
on it and you discover

958  
00:38:44,950 --> 00:38:43,119  
you're in the trove archives at

959  
00:38:46,790 --> 00:38:44,960  
trove.nla.gov

960  
00:38:48,870 --> 00:38:46,800  
dot a u

961  
00:38:50,710 --> 00:38:48,880  
for those of you who don't know this is

962  
00:38:52,470 --> 00:38:50,720  
the online resource from the australian

963  
00:38:54,550 --> 00:38:52,480

government and the national library of

964

00:38:55,990 --> 00:38:54,560

australia which is just chock-a-block

965

00:39:02,950 --> 00:38:56,000

full

966

00:39:04,390 --> 00:39:02,960

especially of newspapers and magazines

967

00:39:06,310 --> 00:39:04,400

and the good thing is you can do your

968

00:39:07,349 --> 00:39:06,320

search and as we've been doing now for

969

00:39:09,190 --> 00:39:07,359

many months

970

00:39:11,190 --> 00:39:09,200

we do a search

971

00:39:13,589 --> 00:39:11,200

and currently we're researching

972

00:39:14,790 --> 00:39:13,599

paranormal things like ufos esp

973

00:39:16,710 --> 00:39:14,800

paranormal

974

00:39:18,390 --> 00:39:16,720

in general clairvoyance

975

00:39:21,910 --> 00:39:18,400

that sort of thing

976

00:39:23,510 --> 00:39:21,920

[Music]

977

00:39:25,670 --> 00:39:23,520

now let's start with a short clipping

978

00:39:29,829 --> 00:39:25,680

here from the sydney morning herald way

979

00:39:33,750 --> 00:39:29,839

back in 1950 the 18th of november

980

00:39:36,230 --> 00:39:33,760

uk town sees flying sources

981

00:39:38,390 --> 00:39:36,240

real ones

982

00:39:41,190 --> 00:39:38,400

now it's interesting to note that uh so

983

00:39:42,950 --> 00:39:41,200

this dates from 1950 the term

984

00:39:44,710 --> 00:39:42,960

flying saucer

985

00:39:47,030 --> 00:39:44,720

was not that old

986

00:39:49,510 --> 00:39:47,040

by 1950

987

00:39:50,630 --> 00:39:49,520

from our staff correspondent

988

00:39:52,550 --> 00:39:50,640

london

989

00:39:53,510 --> 00:39:52,560

november 17

990

00:39:56,950 --> 00:39:53,520

cups

991

00:39:59,430 --> 00:39:56,960

saucers teapots and plates are jumping

992

00:40:00,470 --> 00:39:59,440

off the counter in an ipswich suffolk

993

00:40:02,710 --> 00:40:00,480

cafe

994

00:40:05,510 --> 00:40:02,720

and whistling through the air

995

00:40:07,670 --> 00:40:05,520

according to the daily herald today the

996

00:40:10,710 --> 00:40:07,680

proprietor thinks a poltergeist a

997

00:40:12,390 --> 00:40:10,720

mischievous ghost is at work he has

998

00:40:15,990 --> 00:40:12,400

asked for the help from the rector of

999

00:40:17,670 --> 00:40:16,000

bali essex who lives in britain's most

1000

00:40:20,870 --> 00:40:17,680

haunted rectory

1001  
00:40:23,030 --> 00:40:20,880  
11 people say they have seen cups hurtle

1002  
00:40:24,870 --> 00:40:23,040  
through the air and crash on the floor

1003  
00:40:27,430 --> 00:40:24,880  
during the last few days

1004  
00:40:30,470 --> 00:40:27,440  
a policeman called to investigate

1005  
00:40:32,150 --> 00:40:30,480  
he was greeted by crashing cups

1006  
00:40:33,750 --> 00:40:32,160  
i've got a funny um

1007  
00:40:35,670 --> 00:40:33,760  
a funny

1008  
00:40:38,390 --> 00:40:35,680  
feeling i might have mentioned this

1009  
00:40:40,470 --> 00:40:38,400  
story before because it's so short and

1010  
00:40:42,309 --> 00:40:40,480  
and so funny

1011  
00:40:45,990 --> 00:40:42,319  
now this promises to be an interesting

1012  
00:40:48,150 --> 00:40:46,000  
one way back in 1975 on the

1013  
00:40:50,309 --> 00:40:48,160

26th of september

1014

00:40:51,349 --> 00:40:50,319  
from the canberra times

1015

00:40:54,390 --> 00:40:51,359  
books

1016

00:40:59,190 --> 00:40:54,400  
so i guess it's a book review

1017

00:41:01,910 --> 00:40:59,200  
children of the future bend a spoon

1018

00:41:04,309 --> 00:41:01,920  
and it seems to be a review of the book

1019

00:41:07,030 --> 00:41:04,319  
super minds an inquiry into the

1020

00:41:11,430 --> 00:41:07,040  
paranormal by professor john taylor

1021

00:41:13,270 --> 00:41:11,440  
published by macmillan 183 pages 11.50

1022

00:41:14,710 --> 00:41:13,280  
cents reviewer

1023

00:41:17,349 --> 00:41:14,720  
byron jan

1024

00:41:19,190 --> 00:41:17,359  
tearvile

1025

00:41:21,829 --> 00:41:19,200  
or turville

1026  
00:41:25,349 --> 00:41:21,839  
during a bbc television show in november

1027  
00:41:26,390 --> 00:41:25,359  
1973 professor taylor sat behind yuri

1028  
00:41:29,589 --> 00:41:26,400  
gellar

1029  
00:41:31,670 --> 00:41:29,599  
when the latter demonstrated his powers

1030  
00:41:34,550 --> 00:41:31,680  
he knew that gala claimed to be able to

1031  
00:41:36,710 --> 00:41:34,560  
bend metal objects by sheer mental power

1032  
00:41:38,790 --> 00:41:36,720  
and as a specialist in molecular physics

1033  
00:41:41,430 --> 00:41:38,800  
he found that hard to believe

1034  
00:41:44,069 --> 00:41:41,440  
witnessing geller at work had an

1035  
00:41:46,790 --> 00:41:44,079  
overwhelming effect on him in front of

1036  
00:41:49,270 --> 00:41:46,800  
his own eyes metal objects developed

1037  
00:41:51,510 --> 00:41:49,280  
soft regions bent

1038  
00:41:53,190 --> 00:41:51,520

and sometimes broke under geller's

1039

00:41:55,829 --> 00:41:53,200

gentle strokes

1040

00:41:57,910 --> 00:41:55,839

oh dear emmy if i'd only been there at

1041

00:41:59,910 --> 00:41:57,920

the time i could have said by the way

1042

00:42:02,630 --> 00:41:59,920

look at that anyway

1043

00:42:05,910 --> 00:42:02,640

professor taylor had already spent much

1044

00:42:08,150 --> 00:42:05,920

of his life struggling to expand the

1045

00:42:11,190 --> 00:42:08,160

traditional boundaries of physics

1046

00:42:14,150 --> 00:42:11,200

quite in line with his previous efforts

1047

00:42:16,630 --> 00:42:14,160

to push research into the unknown he

1048

00:42:17,910 --> 00:42:16,640

took geller's stage show as a challenge

1049

00:42:20,630 --> 00:42:17,920

to science

1050

00:42:22,309 --> 00:42:20,640

his book is a result of his subsequent

1051

00:42:23,990 --> 00:42:22,319

enquiries

1052

00:42:26,150 --> 00:42:24,000

it presents an effort to find a

1053

00:42:28,950 --> 00:42:26,160

scientific explanation for metal bending

1054

00:42:32,710 --> 00:42:28,960

and by extension for clairvoyance and

1055

00:42:35,589 --> 00:42:32,720

telepathy his first observation was most

1056

00:42:37,510 --> 00:42:35,599

encouraging geller's strange powers

1057

00:42:39,990 --> 00:42:37,520

appeared not to be unique

1058

00:42:42,710 --> 00:42:40,000

the telecast had sparked off a wave of

1059

00:42:44,630 --> 00:42:42,720

home experiments and several people

1060

00:42:47,270 --> 00:42:44,640

mainly women and children found that

1061

00:42:49,510 --> 00:42:47,280

they could do the same distort metal

1062

00:42:53,030 --> 00:42:49,520

objects without exerting the pressure

1063

00:42:55,190 --> 00:42:53,040

that ordinarily would be needed to do so

1064

00:42:58,150 --> 00:42:55,200

some claimed to be able to do it without

1065

00:42:59,750 --> 00:42:58,160

actually touching the object at all well

1066

00:43:02,630 --> 00:42:59,760

that's a big claim

1067

00:43:03,550 --> 00:43:02,640

in Britain alone about a handful of

1068

00:43:10,069 --> 00:43:03,560

quote

1069

00:43:11,190 --> 00:43:10,079

visited and subjected to some tests by

1070

00:43:14,069 --> 00:43:11,200

the author

1071

00:43:16,470 --> 00:43:14,079

in the book he describes how these tests

1072

00:43:18,550 --> 00:43:16,480

helped him along in the investigation of

1073

00:43:21,670 --> 00:43:18,560

this particular skill

1074

00:43:24,390 --> 00:43:21,680

step by step he eliminates some

1075

00:43:25,349 --> 00:43:24,400

explanations which spring first to the

1076

00:43:28,150 --> 00:43:25,359

four

1077

00:43:30,910 --> 00:43:28,160

fraud optical illusion the use of

1078

00:43:33,030 --> 00:43:30,920

chemicals heat or a source of

1079

00:43:35,430 --> 00:43:33,040

radioactive power

1080

00:43:37,670 --> 00:43:35,440

now i'll just stop here to say that's a

1081

00:43:41,430 --> 00:43:37,680

that's very interesting observation

1082

00:43:43,349 --> 00:43:41,440

it's a lot of red herrings uh of course

1083

00:43:45,030 --> 00:43:43,359

you know all these years later we know

1084

00:43:46,630 --> 00:43:45,040

it's a magic trick it's sleight of hand

1085

00:43:49,270 --> 00:43:46,640

it's countering

1086

00:43:51,589 --> 00:43:49,280

but if you don't know how it works then

1087

00:43:53,990 --> 00:43:51,599

i guess you might want to try and

1088

00:43:56,230 --> 00:43:54,000

eliminate all sorts of things

1089

00:43:58,630 --> 00:43:56,240

radioactive power

1090

00:44:00,230 --> 00:43:58,640

we read on

1091

00:44:02,950 --> 00:44:00,240

he obtained little encouragement from

1092

00:44:05,030 --> 00:44:02,960

his fellow scientists in this quest

1093

00:44:07,030 --> 00:44:05,040

in fact most of his colleagues seem to

1094

00:44:08,710 --> 00:44:07,040

have tried to keep him from making a

1095

00:44:11,270 --> 00:44:08,720

fool of himself

1096

00:44:13,430 --> 00:44:11,280

consequently he had no generous research

1097

00:44:16,230 --> 00:44:13,440

funds available to create the ideal

1098

00:44:18,470 --> 00:44:16,240

testing situations and much of the

1099

00:44:21,349 --> 00:44:18,480

evidence of this book

1100

00:44:24,390 --> 00:44:21,359

rests therefore upon data which the

1101

00:44:27,190 --> 00:44:24,400

skeptics will dismiss straight away as

1102

00:44:30,309 --> 00:44:27,200

unscientific and unreliable

1103

00:44:32,710 --> 00:44:30,319

however the fact remains that if only a

1104

00:44:35,430 --> 00:44:32,720

single case of strange metal bending

1105

00:44:38,470 --> 00:44:35,440

phenomenon is proven genuine professors

1106

00:44:40,550 --> 00:44:38,480

taylor's quest is of immense importance

1107

00:44:43,270 --> 00:44:40,560

the author claims to have documented

1108

00:44:44,630 --> 00:44:43,280

many such genuine instances of the

1109

00:44:47,030 --> 00:44:44,640

phenomenon

1110

00:44:49,589 --> 00:44:47,040

and all who trust his veracity or

1111

00:44:52,630 --> 00:44:49,599

therefore to take note of his findings

1112

00:44:54,309 --> 00:44:52,640

if his observations are right it may

1113

00:44:57,190 --> 00:44:54,319

make the scientific study of

1114

00:44:59,670 --> 00:44:57,200

parapsychology more widely accepted than

1115

00:45:02,230 --> 00:44:59,680

it has been the two

1116

00:45:04,710 --> 00:45:02,240

given the author's history of rather

1117

00:45:07,589 --> 00:45:04,720

unorthodox research he must have

1118

00:45:10,069 --> 00:45:07,599

relished in his findings

1119

00:45:12,309 --> 00:45:10,079

having ruled out to his own satisfaction

1120

00:45:14,630 --> 00:45:12,319

all possibilities of modern science to

1121

00:45:16,870 --> 00:45:14,640

explain the phenomenon he proceeds to

1122

00:45:19,349 --> 00:45:16,880

widen the limitations of science in

1123

00:45:21,589 --> 00:45:19,359

order to encompass metal bending

1124

00:45:23,829 --> 00:45:21,599

with alacrity he shakes off the shackles

1125

00:45:26,950 --> 00:45:23,839

of science and his fertile brain comes

1126

00:45:29,190 --> 00:45:26,960

up with new models in which to fit his

1127

00:45:31,670 --> 00:45:29,200

particular gift it is fascinating

1128

00:45:33,270 --> 00:45:31,680

reading material even for the

1129

00:45:34,470 --> 00:45:33,280

skeptically

1130

00:45:36,950 --> 00:45:34,480

minded

1131

00:45:39,990 --> 00:45:36,960

however professor taylor gives his

1132

00:45:42,230 --> 00:45:40,000

opponent some formidable weapons in the

1133

00:45:44,550 --> 00:45:42,240

first place he recounts a multitude of

1134

00:45:45,990 --> 00:45:44,560

extraordinary events ascribed to gela

1135

00:45:48,470 --> 00:45:46,000

which have little to do with the main

1136

00:45:52,150 --> 00:45:48,480

object of the book thus he reports that

1137

00:45:53,349 --> 00:45:52,160

gela can reputedly be in more than one

1138

00:45:55,190 --> 00:45:53,359

place

1139

00:45:58,390 --> 00:45:55,200

that he can move objects from one

1140

00:46:01,510 --> 00:45:58,400

continent to another by sheer willpower

1141

00:46:02,470 --> 00:46:01,520

and he is in communication with outer

1142

00:46:05,190 --> 00:46:02,480

space

1143

00:46:08,150 --> 00:46:05,200

geller himself in the midst of his stage

1144

00:46:11,430 --> 00:46:08,160

career is wise enough not to deny these

1145

00:46:14,790 --> 00:46:11,440

rumors but professor taylor's inclusion

1146

00:46:17,750 --> 00:46:14,800

of such legends weakens his case

1147

00:46:19,349 --> 00:46:17,760

it makes him seem rather credulous and a

1148

00:46:22,309 --> 00:46:19,359

little too willing to believe in the

1149

00:46:24,790 --> 00:46:22,319

events which he proposes to scrutinize

1150

00:46:27,349 --> 00:46:24,800

with scientific detachment another

1151  
00:46:29,030 --> 00:46:27,359  
aspect of the book which probably will

1152  
00:46:31,349 --> 00:46:29,040  
boost sales

1153  
00:46:33,190 --> 00:46:31,359  
but which detracts from the scientific

1154  
00:46:35,990 --> 00:46:33,200  
approach lies in some of the

1155  
00:46:39,510 --> 00:46:36,000  
illustrations a multitude of graphs

1156  
00:46:41,430 --> 00:46:39,520  
photographs and plates are to the point

1157  
00:46:44,790 --> 00:46:41,440  
representing the particular

1158  
00:46:47,030 --> 00:46:44,800  
humanly included metal fatigue

1159  
00:46:49,109 --> 00:46:47,040  
and its related problems

1160  
00:46:51,829 --> 00:46:49,119  
however scattered throughout the book

1161  
00:46:54,470 --> 00:46:51,839  
are a series of illustrations which are

1162  
00:46:56,550 --> 00:46:54,480  
definitely not referred to in the text

1163  
00:46:59,510 --> 00:46:56,560

which clearly fall outside the scope of

1164

00:47:01,750 --> 00:46:59,520

the book and even sometimes negate the

1165

00:47:04,309 --> 00:47:01,760

author's statements and these are

1166

00:47:06,710 --> 00:47:04,319

pictures repeatedly showing

1167

00:47:08,550 --> 00:47:06,720

ectoplasm emitting from people

1168

00:47:10,550 --> 00:47:08,560

illustrations which ought to be in a

1169

00:47:13,990 --> 00:47:10,560

book on acupuncture

1170

00:47:17,030 --> 00:47:14,000

photographs of spirits of the dead and

1171

00:47:19,510 --> 00:47:17,040

an intriguing snapshot of a man who

1172

00:47:21,430 --> 00:47:19,520

levitates many a scientist may suspect

1173

00:47:24,549 --> 00:47:21,440

some to be nothing more than trick

1174

00:47:27,109 --> 00:47:24,559

photographs such illustrations are

1175

00:47:29,670 --> 00:47:27,119

rather irrelevant to the text and the

1176

00:47:32,309 --> 00:47:29,680

author himself states categorically

1177

00:47:35,109 --> 00:47:32,319

that he does not believe a camera would

1178

00:47:37,589 --> 00:47:35,119

be able to photograph a ghost

1179

00:47:39,270 --> 00:47:37,599

such images existing only in the mind of

1180

00:47:41,670 --> 00:47:39,280

the beholder

1181

00:47:45,910 --> 00:47:41,680

notwithstanding these shortcomings the

1182

00:47:48,150 --> 00:47:45,920

book is a captivating report of unusual

1183

00:47:50,829 --> 00:47:48,160

observations and experiments of

1184

00:47:53,510 --> 00:47:50,839

temporary conclusions and tentative

1185

00:47:56,549 --> 00:47:53,520

probes at the very end of the volume

1186

00:47:57,510 --> 00:47:56,559

taylor's expanded scientific model takes

1187

00:48:00,710 --> 00:47:57,520

shape

1188

00:48:02,390 --> 00:48:00,720

is it just feasible that certain people

1189

00:48:05,190 --> 00:48:02,400

can control the admission of low

1190

00:48:08,150 --> 00:48:05,200

frequency energy and that this energy

1191

00:48:11,109 --> 00:48:08,160

under certain circumstances acts as a

1192

00:48:12,309 --> 00:48:11,119

catalyst which releases the inner strain

1193

00:48:15,589 --> 00:48:12,319

of objects

1194

00:48:17,829 --> 00:48:15,599

this type of emission would be virtually

1195

00:48:20,630 --> 00:48:17,839

impossible to monitor with existing

1196

00:48:23,510 --> 00:48:20,640

machinery but professor taylor suggests

1197

00:48:24,549 --> 00:48:23,520

that a human brain may just be able to

1198

00:48:26,870 --> 00:48:24,559

do so

1199

00:48:29,349 --> 00:48:26,880

thus the author presents a scientific

1200

00:48:30,870 --> 00:48:29,359

hypothesis which covers the phenomenon

1201

00:48:33,430 --> 00:48:30,880

of metal bending

1202

00:48:37,829 --> 00:48:33,440

as well as telepathy and some forms of

1203

00:48:41,109 --> 00:48:37,839

clairvoyance he hopes that by inference

1204

00:48:43,670 --> 00:48:41,119

it will shed light on the ancient skills

1205

00:48:47,670 --> 00:48:43,680

of psychic healing the laying on of

1206

00:48:50,630 --> 00:48:47,680

hands and some forms of mediumship

1207

00:48:52,390 --> 00:48:50,640

testing whether he is on the right track

1208

00:48:54,230 --> 00:48:52,400

will probably make for

1209

00:48:55,730 --> 00:48:54,240

highly stimulating

1210

00:49:00,710 --> 00:48:55,740

further research

1211

00:49:03,349 --> 00:49:00,720

[Music]

1212

00:49:05,589 --> 00:49:03,359

i can't help that remember something

1213

00:49:07,670 --> 00:49:05,599

james randy once said

1214

00:49:09,430 --> 00:49:07,680

when the u.s government spend millions

1215

00:49:10,790 --> 00:49:09,440

of dollars on psychic research he said

1216

00:49:13,990 --> 00:49:10,800

he could have saved them all that money

1217

00:49:16,150 --> 00:49:14,000

with the cheap phone call

1218

00:49:19,750 --> 00:49:16,160

so professor taylor what was this book

1219

00:49:23,490 --> 00:49:19,760

called again superminds an inquiry into

1220

00:49:29,109 --> 00:49:27,670

[Music]

1221

00:49:31,910 --> 00:49:29,119

so there we go

1222

00:49:34,390 --> 00:49:31,920

some interesting items here and there

1223

00:49:35,750 --> 00:49:34,400

from the archives to do the paranormal

1224

00:49:38,790 --> 00:49:35,760

esp

1225

00:49:42,829 --> 00:49:40,870

and you too can discover what's waiting

1226

00:49:44,790 --> 00:49:42,839

for you at trove

1227

00:49:46,309 --> 00:49:44,800

trove.nla.gov

1228

00:49:47,670 --> 00:49:46,319

the online resource from the australian

1229

00:49:48,870 --> 00:49:47,680

government and the national library of

1230

00:49:51,109 --> 00:49:48,880

australia

1231

00:49:52,630 --> 00:49:51,119

have a look put in your search criteria

1232

00:49:57,370 --> 00:49:52,640

and you'll never know

1233

00:49:57,380 --> 00:50:15,030

[Music]

1234

00:50:19,510 --> 00:50:16,870

thank you for listening to the skeptic

1235

00:50:21,349 --> 00:50:19,520

zone coming up next week part two of the

1236

00:50:23,510 --> 00:50:21,359

book of tim's current little series

1237

00:50:26,870 --> 00:50:23,520

about quackery where tim looks at

1238

00:50:29,589 --> 00:50:26,880

quackery in ancient rome

1239

00:50:31,750 --> 00:50:29,599

and also i'm trying to line up

1240

00:50:33,829 --> 00:50:31,760

maynard to do an interview with a book

1241

00:50:35,750 --> 00:50:33,839

author hopefully i can do that in the

1242

00:50:37,270 --> 00:50:35,760

next week or two

1243

00:50:39,270 --> 00:50:37,280

always hard to tell because you know

1244

00:50:41,190 --> 00:50:39,280

what

1245

00:50:43,910 --> 00:50:41,200

we can't predict the future

1246

00:50:45,670 --> 00:50:43,920

thank you to all my patreons and paypal

1247

00:50:48,309 --> 00:50:45,680

subscribers

1248

00:50:50,390 --> 00:50:48,319

without whom there would be no show

1249

00:50:52,630 --> 00:50:50,400

and as i've said before the microphone

1250

00:50:56,069 --> 00:50:52,640

i'm speaking into which is being fed

1251

00:50:58,630 --> 00:50:56,079

into my zoom h6 mixer

1252

00:51:00,470 --> 00:50:58,640

listening on my i keep mentioning

1253

00:51:02,950 --> 00:51:00,480

products here it's the shaw microphone

1254

00:51:05,670 --> 00:51:02,960

into my zoom mixer to listen with my

1255

00:51:06,829 --> 00:51:05,680

what are these my uh

1256

00:51:08,390 --> 00:51:06,839

sony

1257

00:51:10,790 --> 00:51:08,400

headset

1258

00:51:11,589 --> 00:51:10,800

and sometimes i use my rode

1259

00:51:13,670 --> 00:51:11,599

uh

1260

00:51:15,990 --> 00:51:13,680

other microphone there we are lots of

1261

00:51:18,470 --> 00:51:16,000

sponsorship hopefuls there no they don't

1262

00:51:20,829 --> 00:51:18,480

sponsor me folks this is what i use

1263

00:51:23,349 --> 00:51:20,839

this is what i use your money for i buy

1264

00:51:25,430 --> 00:51:23,359

equipment to hopefully produce a better

1265

00:51:27,510 --> 00:51:25,440

show for you

1266

00:51:29,430 --> 00:51:27,520

but thank you to all those people who do

1267

00:51:32,190 --> 00:51:29,440

chip in and you can help support the

1268

00:51:34,309 --> 00:51:32,200

skeptic zone financially by visiting

1269

00:51:36,630 --> 00:51:34,319

skepticzone.tv actually there's a wealth

1270

00:51:38,069 --> 00:51:36,640

of information have a look have a look

1271

00:51:40,069 --> 00:51:38,079

right at the top of the page i have a

1272

00:51:41,910 --> 00:51:40,079

handy link to the great australian

1273

00:51:43,109 --> 00:51:41,920

psychic prediction project

1274

00:51:44,870 --> 00:51:43,119

where you can

1275

00:51:46,950 --> 00:51:44,880

have that read to you

1276

00:51:48,710 --> 00:51:46,960

if you scroll to the bottom of the page

1277

00:51:50,950 --> 00:51:48,720

let me do that right now scroll scroll

1278

00:51:52,630 --> 00:51:50,960

scroll

1279

00:51:55,109 --> 00:51:52,640

here we go

1280

00:51:56,950 --> 00:51:55,119

you can watch the vaccination chronicles

1281

00:51:59,990 --> 00:51:56,960

documentary i did some years ago you can

1282

00:52:02,549 --> 00:52:00,000

listen to solar flare the band of power

1283

00:52:05,190 --> 00:52:02,559

the radio play i wrote and produced some

1284

00:52:06,870 --> 00:52:05,200

years ago join the cast of the skeptic

1285

00:52:08,950 --> 00:52:06,880

zone podcast and a host of special

1286

00:52:11,270 --> 00:52:08,960

guests in their first audio adventure as

1287

00:52:13,670 --> 00:52:11,280

they board the australian space ship

1288

00:52:15,589 --> 00:52:13,680

solar flare to fight the forces of wu

1289

00:52:17,829 --> 00:52:15,599

throughout the galaxy

1290

00:52:19,270 --> 00:52:17,839

also featuring the hit song far by

1291

00:52:22,150 --> 00:52:19,280

george shrub

1292

00:52:23,349 --> 00:52:22,160

it's old-time radio from the future so

1293

00:52:25,750 --> 00:52:23,359

you can listen to that right off the

1294

00:52:27,190 --> 00:52:25,760

page then you can download if you keep

1295

00:52:29,430 --> 00:52:27,200

going down

1296

00:52:32,790 --> 00:52:29,440

as michelle bickersma reminds us

1297

00:52:35,589 --> 00:52:32,800

occasionally on the show with her little

1298

00:52:38,790 --> 00:52:35,599

segment little ad in japanese

1299

00:52:41,430 --> 00:52:38,800

you can download free origami posters uh

1300

00:52:43,349 --> 00:52:41,440

folded and photographed by myself

1301

00:52:46,549 --> 00:52:43,359

it's the selection there or if you

1302

00:52:48,150 --> 00:52:46,559

scroll right to the bottom you can click

1303

00:52:49,510 --> 00:52:48,160

and go to the shop where you can

1304

00:52:51,750 --> 00:52:49,520

download

1305

00:52:54,230 --> 00:52:51,760

for a reasonable fee lots of other

1306

00:52:56,470 --> 00:52:54,240

origami posters i've done and that money

1307

00:52:58,790 --> 00:52:56,480

of course is also another way you can

1308

00:53:01,670 --> 00:52:58,800

help support the skeptic zone

1309

00:53:03,750 --> 00:53:01,680

and another little

1310

00:53:05,109 --> 00:53:03,760

hint here about the page

1311

00:53:07,750 --> 00:53:05,119

if you go to the top of the page and

1312

00:53:08,950 --> 00:53:07,760

click the episodes link

1313

00:53:10,630 --> 00:53:08,960

and then

1314

00:53:12,790 --> 00:53:10,640

at the top of the next page you'll be

1315

00:53:14,549 --> 00:53:12,800

presented with a search box so if you

1316

00:53:17,270 --> 00:53:14,559

type in your search question your search

1317

00:53:19,109 --> 00:53:17,280

criteria there you can find out in

1318

00:53:21,829 --> 00:53:19,119

episodes past where i might have covered

1319

00:53:24,230 --> 00:53:21,839

a certain topic or spoken about somebody

1320

00:53:26,790 --> 00:53:24,240

so that's very handy too all that at

1321

00:53:28,710 --> 00:53:26,800

skepticzone.tv

1322

00:53:30,710 --> 00:53:28,720

but for this week this is richard

1323

00:53:35,990 --> 00:53:30,720

saunders signing off from sydney

1324

00:53:39,270 --> 00:53:37,829

you've been listening to the skeptic

1325

00:53:40,630 --> 00:53:39,280

zone podcast

1326

00:53:43,829 --> 00:53:40,640

please visit our website at [www](http://www)

1327

00:53:49,430 --> 00:53:46,870

for show notes contacts and to access

1328

00:53:51,670 --> 00:53:49,440

the back catalog of episodes going back

1329

00:53:53,589 --> 00:53:51,680

to 2008.

1330

00:53:56,870 --> 00:53:53,599

you can follow the skeptic zone podcast

1331

00:53:59,190 --> 00:53:56,880

on twitter at [skepticzone](https://twitter.com/skepticzone) visit our

1332

00:54:00,790 --> 00:53:59,200

facebook page or leave a review on

1333

00:54:02,870 --> 00:54:00,800

itunes

1334

00:54:06,069 --> 00:54:02,880

you can also support the skeptic zone

1335

00:54:09,430 --> 00:54:06,079

via [patreon](https://www.patreon.com/skepticzone) or [paypal](https://www.paypal.com/skepticzone) the skeptic zone

1336

00:54:11,030 --> 00:54:09,440

podcast is an independent production the

1337

00:54:13,349 --> 00:54:11,040

views and opinions expressed on the

1338

00:54:15,910 --> 00:54:13,359

skeptic zone are not necessarily those

1339

00:54:28,309 --> 00:54:15,920

of australian skeptics or any other

1340

00:54:32,630 --> 00:54:29,750

just a second this is the richard

1341

00:54:34,549 --> 00:54:32,640

saunders skeptic zone so he always does

1342

00:54:36,390 --> 00:54:34,559

this dice game at the very end it's like

1343

00:54:38,870 --> 00:54:36,400

an easter egg have you ever been on a

1344

00:54:41,589 --> 00:54:38,880

podcast before susan

1345

00:54:42,630 --> 00:54:41,599

i've never ever been able to kiss today

1346

00:54:44,870 --> 00:54:42,640

before

1347

00:54:46,710 --> 00:54:44,880

not today you haven't been up not today

1348

00:54:49,270 --> 00:54:46,720

all right okay

1349

00:54:50,710 --> 00:54:49,280

okay tomorrow we're here there we go

1350

00:54:52,870 --> 00:54:50,720

all right so i had to put a lot of

1351  
00:54:55,270 --> 00:54:52,880  
thought into this now i was always five

1352  
00:54:57,510 --> 00:54:55,280  
five five right and we did some weeks

1353  
00:55:00,069 --> 00:54:57,520  
ago we had five five five we really did

1354  
00:55:02,150 --> 00:55:00,079  
oh i've been told mm-hmm i didn't see

1355  
00:55:03,990 --> 00:55:02,160  
the die you

1356  
00:55:08,230 --> 00:55:04,000  
never hear the end of this how do you

1357  
00:55:09,589 --> 00:55:08,240  
tell the six from the nine ah because

1358  
00:55:12,150 --> 00:55:09,599  
it's got a little

1359  
00:55:15,349 --> 00:55:12,160  
mark under it you see that yes

1360  
00:55:17,349 --> 00:55:15,359  
okay so i've had to think should i watch

1361  
00:55:19,270 --> 00:55:17,359  
to another number now that we've had

1362  
00:55:21,589 --> 00:55:19,280  
five five five adrian

1363  
00:55:23,829 --> 00:55:21,599

i mean i spent hours thinking about it

1364

00:55:25,910 --> 00:55:23,839

adrian has said six six six

1365

00:55:28,710 --> 00:55:25,920

rob is four four four

1366

00:55:30,870 --> 00:55:28,720

five five five all right stay with five

1367

00:55:32,630 --> 00:55:30,880

because what's it you know you might you

1368

00:55:34,309 --> 00:55:32,640

might as well are you sure if you're in

1369

00:55:35,990 --> 00:55:34,319

australia yeah don't you have the line

1370

00:55:37,430 --> 00:55:36,000

on top of the number yeah i'll try that

1371

00:55:38,710 --> 00:55:37,440

no try it upside down is that one

1372

00:55:40,549 --> 00:55:38,720

question

1373

00:55:42,950 --> 00:55:40,559

everybody put your guess on the first

1374

00:55:44,950 --> 00:55:42,960

roll in the chat i put all three eight

1375

00:55:46,309 --> 00:55:44,960

seven six

1376

00:55:48,870 --> 00:55:46,319

that's a good idea okay here comes the

1377

00:55:50,470 --> 00:55:48,880

first one it's a ten sided die yellow

1378

00:55:51,910 --> 00:55:50,480

one two three four five six seven eight

1379

00:55:53,750 --> 00:55:51,920

nine or ten

1380

00:55:56,390 --> 00:55:53,760

i'll try to do it so you can at least

1381

00:56:03,990 --> 00:55:59,309

first number is three

1382

00:56:08,069 --> 00:56:06,150

i chose three numbers

1383

00:56:10,069 --> 00:56:08,079

okay very good okay

1384

00:56:13,670 --> 00:56:10,079

second number coming up

1385

00:56:15,589 --> 00:56:13,680

and you people at home you can use your

1386

00:56:17,750 --> 00:56:15,599

psychic prediction power to guess what

1387

00:56:21,589 --> 00:56:17,760

comes up here it comes

1388

00:56:23,589 --> 00:56:21,599

crunch crunch crunch oh susan goevick

1389

00:56:25,270 --> 00:56:23,599

it's a five

1390

00:56:27,030 --> 00:56:25,280

okay there you go there you go that's

1391

00:56:35,990 --> 00:56:27,040

what i'm talking about we're warming up

1392

00:56:39,910 --> 00:56:37,109

[Music]

1393

00:56:42,470 --> 00:56:39,920

and the lucky last number is 10

1394

00:56:56,069 --> 00:56:42,480

represented by zero on this dice

1395

00:56:59,270 --> 00:56:57,670

thank you richard saunders we can do a

1396

00:57:00,950 --> 00:56:59,280

supplementary using this one skeptic

1397

00:57:03,430 --> 00:57:00,960

zone

1398

00:57:06,630 --> 00:57:03,440

all right one last go this is a d6 okay

1399

00:57:08,789 --> 00:57:06,640

i'm gonna guess a five

1400

00:57:10,309 --> 00:57:08,799

the g6 i'm just gonna shake it in my

1401

00:57:12,549 --> 00:57:10,319

hand and present it to the camera and

1402

00:57:14,870 --> 00:57:12,559

whatever number i presented the camera

1403

00:57:17,430 --> 00:57:14,880

here's the number here it goes

1404

00:57:21,109 --> 00:57:19,030

oh that was a sleight of hand that was

1405

00:57:22,789 --> 00:57:21,119

like spoonberry pan wasn't it it's not

1406

00:57:25,670 --> 00:57:22,799

rigged it was a one in six chance and it

1407

00:57:26,950 --> 00:57:25,680

came up five i promise i just see what

1408

00:57:28,549 --> 00:57:26,960

i'm doing i'm doing that i don't need

1409

00:57:31,190 --> 00:57:28,559

you

1410

00:57:33,750 --> 00:57:31,200

i tried i'm somewhat sorta i gotta get