

Episode **692**

THE
**SKEPTIC
ZONE**
PODCAST

9 January 2022

www.skepticzone.tv



30 skeptical trivia questions
to test your skeptical
knowledge....
With Adrian Hill
and Richard Saunders

TROVE
A look at the history of the
Power Balance wristband
in Australian media



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

[Music]

2
00:00:16,830 --> 00:00:09,190

welcome to the skeptic zone the podcast

3
00:00:16,840 --> 00:00:24,630

[Music]

4
00:00:29,189 --> 00:00:26,390

yes it's the skeptic zone podcast

5
00:00:32,150 --> 00:00:29,199

episode number 692

6
00:00:34,790 --> 00:00:32,160

for the 9th of january 2022 richard

7
00:00:36,709 --> 00:00:34,800

saunders coming to you from sydney

8
00:00:38,549 --> 00:00:36,719

australia

9
00:00:41,270 --> 00:00:38,559

a very sort of um

10
00:00:44,389 --> 00:00:41,280

muggy overcast lots of thunderstorms

11
00:00:46,470 --> 00:00:44,399

lately sydney australia and where are

12
00:00:47,910 --> 00:00:46,480

those skeptics owned cats henrietta and

13
00:00:49,510 --> 00:00:47,920

more they're not in the studio today

14

00:00:54,229 --> 00:00:49,520

it's a bit too

15

00:00:56,229 --> 00:00:54,239

lazing around on top of things you know

16

00:00:57,510 --> 00:00:56,239

how it is you go to your favorite couch

17

00:00:58,869 --> 00:00:57,520

you lie down

18

00:01:00,310 --> 00:00:58,879

want to read a book or something and

19

00:01:01,750 --> 00:01:00,320

suddenly bam

20

00:01:04,070 --> 00:01:01,760

there's a cat

21

00:01:06,469 --> 00:01:04,080

on your lap or one just outside the door

22

00:01:08,710 --> 00:01:06,479

or cat owners know what i mean

23

00:01:09,910 --> 00:01:08,720

coming up on this week's show not so

24

00:01:12,310 --> 00:01:09,920

many cats

25

00:01:15,030 --> 00:01:12,320

we're going to be playing

26
00:01:17,429 --> 00:01:15,040
skeptical trivia something different to

27
00:01:18,789 --> 00:01:17,439
sort of help start off this year in

28
00:01:20,789 --> 00:01:18,799
january

29
00:01:24,710 --> 00:01:20,799
when else does a year start

30
00:01:27,190 --> 00:01:24,720
30 skeptical trivia questions we did

31
00:01:29,429 --> 00:01:27,200
this a few nights ago here

32
00:01:31,830 --> 00:01:29,439
for sydney skeptics in the pub was a

33
00:01:34,950 --> 00:01:31,840
great success online lots of things are

34
00:01:37,910 --> 00:01:34,960
online so to start this week's show

35
00:01:39,350 --> 00:01:37,920
we're going to be reading out 30

36
00:01:45,270 --> 00:01:39,360
tricky

37
00:01:48,310 --> 00:01:45,280
keep score as you go keep score as you

38
00:01:49,270 --> 00:01:48,320

go and see how your skeptical knowledge

39

00:01:51,990 --> 00:01:49,280

fares

40

00:01:53,830 --> 00:01:52,000

and helping me with the quiz this week

41

00:01:55,990 --> 00:01:53,840

is adrian hill

42

00:01:58,230 --> 00:01:56,000

and i think it was such a success when

43

00:01:59,590 --> 00:01:58,240

we did the skeptical trivia online for

44

00:02:01,590 --> 00:01:59,600

skeptics in the pub with the help of

45

00:02:02,789 --> 00:02:01,600

lara benham behind the scenes making it

46

00:02:04,870 --> 00:02:02,799

all happen

47

00:02:06,630 --> 00:02:04,880

really she takes most of the credit

48

00:02:08,869 --> 00:02:06,640

uh i think we'll be doing it again

49

00:02:10,790 --> 00:02:08,879

probably in uh maybe around the middle

50

00:02:12,150 --> 00:02:10,800

of the year was a lot of fun

51
00:02:13,910 --> 00:02:12,160
and the winner

52
00:02:15,750 --> 00:02:13,920
remains a mystery

53
00:02:17,990 --> 00:02:15,760
then the uh

54
00:02:20,070 --> 00:02:18,000
the winner was anonymous so

55
00:02:21,589 --> 00:02:20,080
we can only wonder

56
00:02:23,830 --> 00:02:21,599
who that was

57
00:02:27,190 --> 00:02:23,840
following the trivia quiz

58
00:02:29,430 --> 00:02:27,200
the trope segment this week looks at

59
00:02:31,190 --> 00:02:29,440
power balance the power balance

60
00:02:35,430 --> 00:02:31,200
wristband fad

61
00:02:36,710 --> 00:02:35,440
from the years or 2009 2010 2011 that

62
00:02:37,830 --> 00:02:36,720
era

63
00:02:41,350 --> 00:02:37,840

which was

64

00:02:43,830 --> 00:02:41,360

incredibly successful for a short time

65

00:02:45,110 --> 00:02:43,840

before the whole house of cards came

66

00:02:47,030 --> 00:02:45,120

tumbling down

67

00:02:48,790 --> 00:02:47,040

when it was revealed

68

00:02:50,710 --> 00:02:48,800

skeptics knew all the time it was

69

00:02:52,070 --> 00:02:50,720

revealed that these power bands these

70

00:02:53,589 --> 00:02:52,080

wristbands

71

00:02:57,670 --> 00:02:53,599

increase your balance strength and

72

00:02:59,270 --> 00:02:57,680

flexibility were all a scam

73

00:03:01,350 --> 00:02:59,280

that wasn't a cat outside the window was

74

00:03:03,110 --> 00:03:01,360

some sort of bird flying by

75

00:03:04,470 --> 00:03:03,120

but an interesting case study in

76

00:03:06,390 --> 00:03:04,480

skepticism

77

00:03:08,550 --> 00:03:06,400

and consumer affairs

78

00:03:10,710 --> 00:03:08,560

and what people will believe and

79

00:03:12,630 --> 00:03:10,720

marketing and all sorts of things stay

80

00:03:15,110 --> 00:03:12,640

tuned at the end of the episode for more

81

00:03:17,270 --> 00:03:15,120

announcements from me but now it's time

82

00:03:20,229 --> 00:03:17,280

for me to shut my eyes

83

00:03:23,190 --> 00:03:20,239

dream of a nice beach side

84

00:03:25,589 --> 00:03:23,200

house with some japanese pancakes

85

00:03:27,270 --> 00:03:25,599

some nice red wine and some good times

86

00:03:41,050 --> 00:03:27,280

will i do that

87

00:03:53,670 --> 00:03:52,149

[Music]

88

00:03:55,270 --> 00:03:53,680

now as i mentioned at the top of the

89

00:03:56,949 --> 00:03:55,280

show within the last week at sydney

90

00:03:58,309 --> 00:03:56,959

skeptics in the pub

91

00:04:02,470 --> 00:03:58,319

online

92

00:04:06,710 --> 00:04:02,480

at the moment anyway we had

93

00:04:08,869 --> 00:04:06,720

skeptical trivia to kick off 2022

94

00:04:11,030 --> 00:04:08,879

and it was a great success thank you to

95

00:04:13,030 --> 00:04:11,040

everybody who participated

96

00:04:15,030 --> 00:04:13,040

if you're listening now

97

00:04:16,310 --> 00:04:15,040

you get to do it all over again but for

98

00:04:18,310 --> 00:04:16,320

those people who weren't there who

99

00:04:20,789 --> 00:04:18,320

couldn't join us the other night at

100

00:04:24,150 --> 00:04:20,799

sydney skeptics in the pub online

101

00:04:27,030 --> 00:04:24,160

here are the 30 skeptical

102

00:04:32,550 --> 00:04:27,040

trivia questions to test your skeptical

103

00:04:38,870 --> 00:04:34,710

and helping me with the questions this

104

00:04:41,110 --> 00:04:38,880

week is none other than adrian hill

105

00:04:43,830 --> 00:04:41,120

and this is how it will work

106

00:04:47,030 --> 00:04:43,840

adrian will read out the question

107

00:04:49,670 --> 00:04:47,040

i will give you four possible answers

108

00:04:52,150 --> 00:04:49,680

and then adrian will tell you which one

109

00:04:54,230 --> 00:04:52,160

is the correct answer

110

00:04:56,390 --> 00:04:54,240

no cheating well you can if you like

111

00:04:58,310 --> 00:04:56,400

what am i going to do about it

112

00:05:00,870 --> 00:04:58,320

it's best if you don't cheat

113

00:05:02,810 --> 00:05:00,880

and so here we go 30 skeptical trivia

114

00:05:08,550 --> 00:05:02,820

questions

115

00:05:10,469 --> 00:05:08,560

[Music]

116

00:05:13,670 --> 00:05:10,479

question one

117

00:05:17,029 --> 00:05:13,680

james the amazing randy was born in

118

00:05:20,310 --> 00:05:17,039

canada in what year

119

00:05:21,350 --> 00:05:20,320

was it a 1930

120

00:05:24,629 --> 00:05:21,360

b

121

00:05:27,830 --> 00:05:25,510

c

122

00:05:29,110 --> 00:05:27,840

1931

123

00:05:31,370 --> 00:05:29,120

or d

124

00:05:40,700 --> 00:05:31,380

1928

125

00:05:42,590 --> 00:05:40,710

[Music]

126
00:05:46,710 --> 00:05:42,600
[Applause]

127
00:05:48,710 --> 00:05:46,720
[Music]

128
00:05:52,629 --> 00:05:48,720
the answer is d

129
00:05:57,670 --> 00:05:54,390
question 2

130
00:05:59,670 --> 00:05:57,680
in 1917 two cousins took photographs of

131
00:06:01,990 --> 00:05:59,680
what they claimed were fairies

132
00:06:03,110 --> 00:06:02,000
what is the name given for this strange

133
00:06:04,790 --> 00:06:03,120
event

134
00:06:07,430 --> 00:06:04,800
was it a

135
00:06:08,309 --> 00:06:07,440
the cotton wood fairies

136
00:06:11,189 --> 00:06:08,319
b

137
00:06:12,230 --> 00:06:11,199
the collingwood fairies

138
00:06:16,070 --> 00:06:12,240

c

139

00:06:20,120 --> 00:06:16,080

or d

140

00:06:25,140 --> 00:06:20,130

the cottonsley fairies

141

00:06:25,150 --> 00:06:31,990

[Applause]

142

00:06:32,000 --> 00:06:38,390

the answer is c the cottingly fairies

143

00:06:43,590 --> 00:06:40,550

question three former skeptic of the

144

00:06:45,990 --> 00:06:43,600

year dr karl kruselniski was born in

145

00:06:49,830 --> 00:06:46,000

what country

146

00:06:51,270 --> 00:06:49,840

was he born in a norway

147

00:06:52,950 --> 00:06:51,280

b

148

00:06:54,309 --> 00:06:52,960

poland

149

00:06:55,909 --> 00:06:54,319

c

150

00:06:57,510 --> 00:06:55,919

sweden

151
00:06:58,720 --> 00:06:57,520
or d

152
00:07:00,140 --> 00:06:58,730
finland

153
00:07:17,270 --> 00:07:00,150
[Music]

154
00:07:21,350 --> 00:07:18,950
question four

155
00:07:23,670 --> 00:07:21,360
quote don't try to work out how

156
00:07:28,150 --> 00:07:23,680
something works until you find out that

157
00:07:29,270 --> 00:07:28,160
it works end quote is known as

158
00:07:30,469 --> 00:07:29,280
is it

159
00:07:33,589 --> 00:07:30,479
a

160
00:07:35,830 --> 00:07:33,599
b

161
00:07:36,790 --> 00:07:35,840
hyman's maxim

162
00:07:38,790 --> 00:07:36,800
c

163
00:07:40,230 --> 00:07:38,800

radford's law

164

00:07:42,640 --> 00:07:40,240

or d

165

00:07:51,970 --> 00:07:42,650

russell's guide

166

00:07:53,860 --> 00:07:51,980

[Music]

167

00:07:57,990 --> 00:07:53,870

[Applause]

168

00:08:04,390 --> 00:07:58,000

[Music]

169

00:08:09,110 --> 00:08:05,990

question five

170

00:08:12,309 --> 00:08:09,120

in 1980 james randy flew to australia to

171

00:08:14,390 --> 00:08:12,319

take part in water divining tests

172

00:08:16,710 --> 00:08:14,400

what was the total amount of the prize

173

00:08:17,990 --> 00:08:16,720

money on offer

174

00:08:20,309 --> 00:08:18,000

was it a

175

00:08:21,270 --> 00:08:20,319

forty thousand dollars

176
00:08:23,510 --> 00:08:21,280
b

177
00:08:24,710 --> 00:08:23,520
fifty thousand dollars

178
00:08:26,950 --> 00:08:24,720
c

179
00:08:27,990 --> 00:08:26,960
thirty thousand dollars

180
00:08:29,270 --> 00:08:28,000
or

181
00:08:32,830 --> 00:08:29,280
d

182
00:08:45,829 --> 00:08:32,840
[Music]

183
00:08:49,430 --> 00:08:45,839
the answer is a

184
00:08:53,110 --> 00:08:50,949
question six

185
00:08:55,030 --> 00:08:53,120
which city hosted the first skeptics in

186
00:08:58,070 --> 00:08:55,040
the pub

187
00:09:00,790 --> 00:08:58,080
was it a edinburgh

188
00:09:01,829 --> 00:09:00,800

b manchester

189

00:09:03,430 --> 00:09:01,839

c

190

00:09:05,269 --> 00:09:03,440

liverpool

191

00:09:08,230 --> 00:09:05,279

or d

192

00:09:13,260 --> 00:09:08,240

london

193

00:09:13,270 --> 00:09:19,509

[Applause]

194

00:09:24,389 --> 00:09:20,949

the answer is d

195

00:09:29,829 --> 00:09:27,110

question seven what james bond movie

196

00:09:31,350 --> 00:09:29,839

featured a moon landing set and moon

197

00:09:32,710 --> 00:09:31,360

buggy

198

00:09:35,030 --> 00:09:32,720

was it a

199

00:09:38,230 --> 00:09:35,040

diamonds are forever

200

00:09:39,110 --> 00:09:38,240

b for your eyes only

201
00:09:41,750 --> 00:09:39,120
c

202
00:09:43,030 --> 00:09:41,760
the world is not enough

203
00:09:44,860 --> 00:09:43,040
or d

204
00:09:46,280 --> 00:09:44,870
moonraker

205
00:09:59,350 --> 00:09:46,290
[Music]

206
00:10:03,430 --> 00:09:59,360
the answer is a

207
00:10:07,110 --> 00:10:05,110
question eight

208
00:10:09,590 --> 00:10:07,120
which australian magazine published a

209
00:10:13,110 --> 00:10:09,600
fake nostradamus quote on the back cover

210
00:10:14,550 --> 00:10:13,120
just after the 9 11 attacks

211
00:10:17,110 --> 00:10:14,560
was it a

212
00:10:19,910 --> 00:10:17,120
the australian woman's weekly

213
00:10:20,790 --> 00:10:19,920

b new idea

214

00:10:22,630 --> 00:10:20,800

c

215

00:10:24,310 --> 00:10:22,640

woman's day

216

00:10:25,830 --> 00:10:24,320

or d

217

00:10:35,160 --> 00:10:25,840

truth

218

00:10:37,050 --> 00:10:35,170

[Music]

219

00:10:41,350 --> 00:10:37,060

[Applause]

220

00:10:43,350 --> 00:10:41,360

[Music]

221

00:10:47,190 --> 00:10:43,360

the answer is b

222

00:10:52,069 --> 00:10:49,110

question nine

223

00:10:55,030 --> 00:10:52,079

what is the often overlooked thirteenth

224

00:10:56,310 --> 00:10:55,040

sign of the zodiac

225

00:10:59,269 --> 00:10:56,320

is it

226

00:11:02,150 --> 00:10:59,279

a cygnus the swan

227

00:11:05,190 --> 00:11:02,160

b cetus the whale

228

00:11:11,250 --> 00:11:05,200

c cassiopeia the queen

229

00:11:11,260 --> 00:11:17,080

[Applause]

230

00:11:17,090 --> 00:11:22,069

[Music]

231

00:11:29,190 --> 00:11:23,829

the answer is d

232

00:11:34,230 --> 00:11:31,990

question 10 yuri geller failed to bend

233

00:11:35,910 --> 00:11:34,240

spoons or do any other paranormal trick

234

00:11:40,310 --> 00:11:35,920

on the tonight show starring johnny

235

00:11:41,670 --> 00:11:40,320

carson in what year did this happen

236

00:11:44,069 --> 00:11:41,680

was it a

237

00:11:47,430 --> 00:11:44,079

1972

238

00:11:48,230 --> 00:11:47,440

b 1973

239

00:11:50,470 --> 00:11:48,240

c

240

00:11:51,670 --> 00:11:50,480

1974

241

00:11:55,320 --> 00:11:51,680

or d

242

00:12:06,540 --> 00:12:04,620

[Music]

243

00:12:11,030 --> 00:12:06,550

[Applause]

244

00:12:16,389 --> 00:12:11,040

[Music]

245

00:12:21,590 --> 00:12:18,310

question 11.

246

00:12:24,069 --> 00:12:21,600

according to some ufo proponents alien

247

00:12:27,110 --> 00:12:24,079

human clone robots are being created

248

00:12:31,269 --> 00:12:27,120

under what location

249

00:12:32,069 --> 00:12:31,279

is it a old parliament house

250

00:12:35,750 --> 00:12:32,079

b

251
00:12:37,590 --> 00:12:35,760
c

252
00:12:38,949 --> 00:12:37,600
new parliament house

253
00:12:41,400 --> 00:12:38,959
or d

254
00:12:42,820 --> 00:12:41,410
the melbourne museum

255
00:12:55,990 --> 00:12:42,830
[Music]

256
00:13:00,230 --> 00:12:56,000
the answer is b

257
00:13:04,790 --> 00:13:03,110
question 12 harry houdini was born in

258
00:13:07,750 --> 00:13:04,800
1874

259
00:13:09,190 --> 00:13:07,760
what was his real birth name

260
00:13:11,269 --> 00:13:09,200
was it a

261
00:13:12,150 --> 00:13:11,279
martin steger

262
00:13:14,710 --> 00:13:12,160
b

263
00:13:15,509 --> 00:13:14,720

frederick hauden

264

00:13:18,870 --> 00:13:15,519

c

265

00:13:21,220 --> 00:13:18,880

or d

266

00:13:36,870 --> 00:13:21,230

eric weiss

267

00:13:40,710 --> 00:13:36,880

[Music]

268

00:13:42,710 --> 00:13:40,720

the answer is d eric weiss

269

00:13:44,710 --> 00:13:42,720

question 13.

270

00:13:48,150 --> 00:13:44,720

betty and barney hill claimed to be

271

00:13:50,710 --> 00:13:48,160

abducted by a ufo in 1961. where did

272

00:13:53,590 --> 00:13:50,720

this take place

273

00:13:56,310 --> 00:13:53,600

was it a new hampshire

274

00:13:57,110 --> 00:13:56,320

b new york state

275

00:13:58,550 --> 00:13:57,120

c

276
00:13:59,430 --> 00:13:58,560
maine

277
00:14:02,050 --> 00:13:59,440
or d

278
00:14:07,080 --> 00:14:02,060
massachusetts

279
00:14:07,090 --> 00:14:13,670
[Applause]

280
00:14:13,680 --> 00:14:18,470
the answer is a new hampshire

281
00:14:22,949 --> 00:14:20,389
question 14

282
00:14:27,189 --> 00:14:22,959
ayurvedic medicine is a so-called

283
00:14:30,790 --> 00:14:28,949
is it a

284
00:14:31,750 --> 00:14:30,800
sri lanka

285
00:14:33,430 --> 00:14:31,760
b

286
00:14:34,310 --> 00:14:33,440
thailand

287
00:14:35,670 --> 00:14:34,320
c

288
00:14:36,790 --> 00:14:35,680

india

289

00:14:39,130 --> 00:14:36,800

or d

290

00:14:54,949 --> 00:14:39,140

indonesia

291

00:14:56,710 --> 00:14:54,959

[Music]

292

00:15:00,310 --> 00:14:56,720

the answer is c

293

00:15:05,350 --> 00:15:02,389

question 15

294

00:15:07,990 --> 00:15:05,360

arc encounters is a creation museum made

295

00:15:13,269 --> 00:15:08,000

from a giant one to one scale model of

296

00:15:14,710 --> 00:15:13,279

noah's ark in what state can it be found

297

00:15:16,230 --> 00:15:14,720

is it a

298

00:15:17,269 --> 00:15:16,240

texas

299

00:15:19,030 --> 00:15:17,279

b

300

00:15:21,189 --> 00:15:19,040

georgia

301
00:15:22,389 --> 00:15:21,199
c alabama

302
00:15:24,950 --> 00:15:22,399
or d

303
00:15:29,980 --> 00:15:24,960
kentucky

304
00:15:29,990 --> 00:15:36,550
[Applause]

305
00:15:42,389 --> 00:15:38,470
the answer is d

306
00:15:46,629 --> 00:15:44,310
question 16

307
00:15:48,790 --> 00:15:46,639
what was the follow-up book to chariots

308
00:15:50,069 --> 00:15:48,800
of the gods

309
00:15:52,389 --> 00:15:50,079
is it a

310
00:15:53,189 --> 00:15:52,399
history is wrong

311
00:15:55,670 --> 00:15:53,199
b

312
00:15:56,389 --> 00:15:55,680
return to the stars

313
00:15:58,470 --> 00:15:56,399

c

314

00:15:59,749 --> 00:15:58,480

a rival of the gods

315

00:16:01,960 --> 00:15:59,759

or d

316

00:16:11,260 --> 00:16:01,970

war of the gods

317

00:16:17,030 --> 00:16:11,670

[Applause]

318

00:16:24,069 --> 00:16:22,150

the answer is b return to the stars

319

00:16:26,550 --> 00:16:24,079

question 17

320

00:16:29,990 --> 00:16:26,560

the patterson gimlin film features a

321

00:16:33,110 --> 00:16:30,000

glimpse of what famous cryptid

322

00:16:34,829 --> 00:16:33,120

is it a the loch ness monster

323

00:16:39,430 --> 00:16:34,839

b

324

00:16:42,630 --> 00:16:39,440

or d

325

00:16:47,650 --> 00:16:42,640

champ lake monster

326

00:16:47,660 --> 00:16:54,389

[Applause]

327

00:16:59,110 --> 00:16:56,230

the answer is b

328

00:17:05,110 --> 00:17:01,590

question 18 the founder of the church of

329

00:17:07,270 --> 00:17:05,120

scientology was l ron hubbard what does

330

00:17:08,549 --> 00:17:07,280

the l stand for

331

00:17:10,309 --> 00:17:08,559

is it a

332

00:17:11,270 --> 00:17:10,319

london

333

00:17:13,029 --> 00:17:11,280

b

334

00:17:13,829 --> 00:17:13,039

lexington

335

00:17:15,510 --> 00:17:13,839

c

336

00:17:16,949 --> 00:17:15,520

lafayette

337

00:17:18,450 --> 00:17:16,959

or d

338

00:17:33,270 --> 00:17:18,460

leonard

339

00:17:33,280 --> 00:17:38,070

the answer is c lafayette

340

00:17:44,070 --> 00:17:39,510

question 19

341

00:17:48,950 --> 00:17:47,990

is the author a mick west

342

00:17:51,990 --> 00:17:48,960

b

343

00:17:53,590 --> 00:17:52,000

c

344

00:17:54,950 --> 00:17:53,600

ben radford

345

00:17:57,100 --> 00:17:54,960

or d

346

00:17:58,530 --> 00:17:57,110

james randy

347

00:18:11,430 --> 00:17:58,540

[Music]

348

00:18:14,950 --> 00:18:11,440

the answer is a

349

00:18:19,909 --> 00:18:17,669

question 20 loch ness home of the

350

00:18:23,510 --> 00:18:19,919

monster is one of the longest lakes in

351
00:18:27,029 --> 00:18:23,520
britain how long is it

352
00:18:30,230 --> 00:18:27,039
is it a 24 kilometers

353
00:18:31,110 --> 00:18:30,240
b 40 kilometers

354
00:18:33,430 --> 00:18:31,120
c

355
00:18:34,950 --> 00:18:33,440
43 kilometers

356
00:18:37,600 --> 00:18:34,960
or d

357
00:18:53,510 --> 00:18:37,610
37 kilometers

358
00:18:59,350 --> 00:18:53,520
[Music]

359
00:19:05,029 --> 00:19:02,789
question 21 the assailing stones of

360
00:19:09,110 --> 00:19:05,039
racetrack playa in death valley are

361
00:19:13,350 --> 00:19:12,230
is it a new mexico

362
00:19:15,510 --> 00:19:13,360
b

363
00:19:16,630 --> 00:19:15,520

california

364

00:19:18,230 --> 00:19:16,640

c

365

00:19:19,669 --> 00:19:18,240

arizona

366

00:19:20,980 --> 00:19:19,679

or d

367

00:19:22,400 --> 00:19:20,990

nevada

368

00:19:36,830 --> 00:19:22,410

[Music]

369

00:19:41,990 --> 00:19:39,750

california question 22

370

00:19:44,310 --> 00:19:42,000

jay-z knight claimed to channel what

371

00:19:45,990 --> 00:19:44,320

ancient spirit

372

00:19:47,669 --> 00:19:46,000

is it a

373

00:19:48,549 --> 00:19:47,679

ramtha

374

00:19:50,150 --> 00:19:48,559

b

375

00:19:50,870 --> 00:19:50,160

king arthur

376
00:19:53,590 --> 00:19:50,880
c

377
00:19:55,530 --> 00:19:53,600
or d

378
00:20:04,820 --> 00:19:55,540
cleopatra

379
00:20:10,470 --> 00:20:04,830
[Music]

380
00:20:10,480 --> 00:20:15,270
the answer is a ramtha

381
00:20:20,950 --> 00:20:18,870
question 23 the nazca lines geolifts in

382
00:20:23,430 --> 00:20:20,960
the desert are found in wet south

383
00:20:24,310 --> 00:20:23,440
american country

384
00:20:25,350 --> 00:20:24,320
is it

385
00:20:26,789 --> 00:20:25,360
a

386
00:20:27,430 --> 00:20:26,799
chile

387
00:20:29,029 --> 00:20:27,440
b

388
00:20:29,909 --> 00:20:29,039

ecuador

389

00:20:31,270 --> 00:20:29,919

c

390

00:20:32,549 --> 00:20:31,280

peru

391

00:20:34,970 --> 00:20:32,559

or d

392

00:20:50,149 --> 00:20:34,980

bogota

393

00:20:54,470 --> 00:20:50,159

[Music]

394

00:21:00,310 --> 00:20:57,510

question 24 the one the search for

395

00:21:03,029 --> 00:21:00,320

australia's most gifted psychic aired on

396

00:21:04,470 --> 00:21:03,039

what tv network

397

00:21:06,470 --> 00:21:04,480

was it a

398

00:21:08,789 --> 00:21:06,480

sbs network

399

00:21:11,110 --> 00:21:08,799

b the 10 network

400

00:21:12,470 --> 00:21:11,120

c the 9 network

401
00:21:15,430 --> 00:21:12,480
or d

402
00:21:20,460 --> 00:21:15,440
the 7 network

403
00:21:20,470 --> 00:21:26,950
[Applause]

404
00:21:32,630 --> 00:21:28,549
the answer is d

405
00:21:39,669 --> 00:21:36,310
question 25 taciography is the claimed

406
00:21:41,029 --> 00:21:39,679
paranormal ability to do what

407
00:21:44,789 --> 00:21:41,039
is it a

408
00:21:46,710 --> 00:21:44,799
see the future in a crystal ball b

409
00:21:49,270 --> 00:21:46,720
read tea leaves

410
00:21:50,390 --> 00:21:49,280
c read the bumps on the head

411
00:21:54,490 --> 00:21:50,400
or d

412
00:22:10,230 --> 00:21:54,500
see the future in the clouds

413
00:22:15,990 --> 00:22:10,240

[Music]

414

00:22:20,950 --> 00:22:17,909

question 26

415

00:22:24,230 --> 00:22:20,960

australian-born ken ham is a long-time

416

00:22:28,950 --> 00:22:26,710

is it a ufos

417

00:22:29,669 --> 00:22:28,960

b homeopathy

418

00:22:32,230 --> 00:22:29,679

c

419

00:22:35,050 --> 00:22:32,240

or d

420

00:22:36,470 --> 00:22:35,060

free energy machines

421

00:22:52,789 --> 00:22:36,480

[Music]

422

00:22:56,870 --> 00:22:54,390

question 27

423

00:22:59,029 --> 00:22:56,880

according to ufo proponents in what year

424

00:23:01,909 --> 00:22:59,039

did an alien spaceship crash near

425

00:23:04,149 --> 00:23:01,919

roswell new mexico

426
00:23:06,310 --> 00:23:04,159
was the year a

427
00:23:07,270 --> 00:23:06,320
1947

428
00:23:09,190 --> 00:23:07,280
b

429
00:23:10,669 --> 00:23:09,200
1950

430
00:23:12,630 --> 00:23:10,679
c

431
00:23:13,830 --> 00:23:12,640
1949

432
00:23:16,110 --> 00:23:13,840
or d

433
00:23:31,669 --> 00:23:16,120
1951

434
00:23:36,549 --> 00:23:31,679
[Music]

435
00:23:43,750 --> 00:23:40,149
question 28 the great seer nostradamus

436
00:23:46,870 --> 00:23:43,760
wrote his books in what century

437
00:23:47,590 --> 00:23:46,880
is it a the 14th century

438
00:23:49,750 --> 00:23:47,600

b

439

00:23:52,549 --> 00:23:49,760

the 17th century

440

00:23:55,500 --> 00:23:52,559

see the 16th century

441

00:24:10,870 --> 00:23:55,510

or d the 15th century

442

00:24:12,710 --> 00:24:10,880

[Music]

443

00:24:16,310 --> 00:24:12,720

the answer is c

444

00:24:24,390 --> 00:24:20,390

question 29 who is the only person to

445

00:24:25,669 --> 00:24:24,400

win the bent spoon award more than once

446

00:24:27,590 --> 00:24:25,679

is it a

447

00:24:28,390 --> 00:24:27,600

pete evans

448

00:24:30,390 --> 00:24:28,400

b

449

00:24:31,110 --> 00:24:30,400

fran sheffield

450

00:24:32,390 --> 00:24:31,120

c

451
00:24:33,590 --> 00:24:32,400
peter brook

452
00:24:35,460 --> 00:24:33,600
or d

453
00:24:44,750 --> 00:24:35,470
meryl dorey

454
00:24:46,680 --> 00:24:44,760
[Music]

455
00:24:52,070 --> 00:24:46,690
[Applause]

456
00:24:53,590 --> 00:24:52,080
[Music]

457
00:24:56,149 --> 00:24:53,600
i know the answer to this one

458
00:24:57,909 --> 00:24:56,159
[Laughter]

459
00:25:03,269 --> 00:24:57,919
the answer is a

460
00:25:09,590 --> 00:25:06,390
question 30 wilhelm reich who died in

461
00:25:13,029 --> 00:25:09,600
prison in the 1950s sold quack devices

462
00:25:16,470 --> 00:25:15,110
is it a g

463
00:25:17,350 --> 00:25:16,480

energy

464

00:25:19,430 --> 00:25:17,360

b

465

00:25:20,390 --> 00:25:19,440

reiki energy

466

00:25:22,230 --> 00:25:20,400

c

467

00:25:23,590 --> 00:25:22,240

oregon energy

468

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

or d

469

00:25:41,669 --> 00:25:26,000

scalar energy

470

00:25:43,830 --> 00:25:41,679

[Music]

471

00:25:48,040 --> 00:25:43,840

the answer is c

472

00:25:55,830 --> 00:25:53,750

[Music]

473

00:25:58,310 --> 00:25:55,840

well there we go and thank you very much

474

00:26:00,470 --> 00:25:58,320

adrian hill for reading out those

475

00:26:02,870 --> 00:26:00,480

questions 30 questions i hope you were

476

00:26:05,269 --> 00:26:02,880

keeping score by yourself at home or

477

00:26:07,750 --> 00:26:05,279

with your friends how did you do

478

00:26:10,230 --> 00:26:07,760

how did you do if you've got more than

479

00:26:12,789 --> 00:26:10,240

15 correct well done if you got more

480

00:26:14,870 --> 00:26:12,799

than 20 correct very well done

481

00:26:16,870 --> 00:26:14,880

if you have more than 25

482

00:26:18,710 --> 00:26:16,880

correct you should have my job and if

483

00:26:21,560 --> 00:26:18,720

you have 30 correct

484

00:26:26,470 --> 00:26:21,570

you've probably heard these before

485

00:26:31,909 --> 00:26:29,590

and please join us for sydney skeptics

486

00:26:34,310 --> 00:26:31,919

in the pub the first thursday of every

487

00:26:37,190 --> 00:26:34,320

month here in sydney and online when

488

00:26:39,750 --> 00:26:37,200

necessary and it seems necessary at the

489

00:26:43,430 --> 00:26:39,760

moment for more information about that

490

00:26:45,640 --> 00:26:43,440

just go to [meetup.com](https://www.meetup.com) and look for aust

491

00:27:06,230 --> 00:26:45,650

skeptics

492

00:27:11,350 --> 00:27:08,549

dr harriet hall md

493

00:27:13,909 --> 00:27:11,360

known to thousands as the skeptoc a

494

00:27:15,590 --> 00:27:13,919

retired family physician and former air

495

00:27:17,909 --> 00:27:15,600

force flight surgeon

496

00:27:20,389 --> 00:27:17,919

she writes about medicine so-called

497

00:27:24,070 --> 00:27:20,399

complementary and alternative medicine

498

00:27:26,549 --> 00:27:24,080

science quackery and critical thinking

499

00:27:29,110 --> 00:27:26,559

harriet now has a free course a series

500

00:27:31,990 --> 00:27:29,120

of 10 video lectures on science-based

501
00:27:33,990 --> 00:27:32,000
medicine and alternative medicine

502
00:27:36,230 --> 00:27:34,000
the videos and an accompanying course

503
00:27:40,070 --> 00:27:36,240
guide can be found by following the link

504
00:27:43,029 --> 00:27:40,080
at skip doc dot info or by visiting

505
00:27:47,669 --> 00:27:43,039
web.randy.org

506
00:27:49,990 --> 00:27:47,679
educational dash modules dot html

507
00:27:51,830 --> 00:27:50,000
topics covered in the series are

508
00:27:53,590 --> 00:27:51,840
science-based medicine versus

509
00:27:55,029 --> 00:27:53,600
evidence-based medicine

510
00:27:58,549 --> 00:27:55,039
what is cam

511
00:28:01,430 --> 00:27:58,559
chiropractic acupuncture homeopathy

512
00:28:04,070 --> 00:28:01,440
naturopathy and herbal medicine energy

513
00:28:07,029 --> 00:28:04,080

medicine miscellaneous alternatives

514

00:28:10,630 --> 00:28:07,039

pitfalls in research and science-based

515

00:28:12,470 --> 00:28:10,640

medicine in the media and politics

516

00:28:14,950 --> 00:28:12,480

harriet covers each topic in a

517

00:28:17,590 --> 00:28:14,960

matter-of-fact no-nonsense way that's

518

00:28:21,810 --> 00:28:17,600

sure to educate and entertain

519

00:28:44,389 --> 00:28:21,820

skeptdoc dot info

520

00:28:46,389 --> 00:28:44,399

[Music]

521

00:28:47,669 --> 00:28:46,399

now it's time once again to head to

522

00:28:50,710 --> 00:28:47,679

those pages at trove at

523

00:28:55,029 --> 00:28:52,310

the online resource for australian

524

00:28:57,430 --> 00:28:55,039

newspapers digitized going back for

525

00:28:59,029 --> 00:28:57,440

decades and decades and even into some

526

00:29:01,669 --> 00:28:59,039

previous centuries

527

00:29:03,909 --> 00:29:01,679

what a treasure trove it is and what a

528

00:29:05,590 --> 00:29:03,919

treasure trove it has been for the

529

00:29:07,269 --> 00:29:05,600

skeptic zone

530

00:29:10,549 --> 00:29:07,279

so many interesting

531

00:29:13,269 --> 00:29:10,559

historical articles to look up yet today

532

00:29:15,590 --> 00:29:13,279

we're not going so far back in history

533

00:29:17,350 --> 00:29:15,600

only about a decade or so

534

00:29:19,029 --> 00:29:17,360

and we're going to look at references to

535

00:29:22,320 --> 00:29:19,039

the infamous

536

00:29:28,070 --> 00:29:22,330

power balance wristband

537

00:29:30,470 --> 00:29:28,080

[Music]

538

00:29:33,190 --> 00:29:30,480

i doubt some of you remember the power

539

00:29:36,149 --> 00:29:33,200

balance wristband and its

540

00:29:38,549 --> 00:29:36,159

knockoffs its clones its imitation

541

00:29:41,430 --> 00:29:38,559

from around the world these were

542

00:29:44,149 --> 00:29:41,440

silicon rubber little bands you slipped

543

00:29:46,070 --> 00:29:44,159

on your wrist they had a hologram

544

00:29:47,990 --> 00:29:46,080

much like the hologram you see on credit

545

00:29:49,590 --> 00:29:48,000

cards i'm going to give you a big

546

00:29:50,630 --> 00:29:49,600

spoiler here it turned out to be a

547

00:29:51,669 --> 00:29:50,640

massive

548

00:29:52,870 --> 00:29:51,679

scam

549

00:29:55,430 --> 00:29:52,880

a con

550

00:29:57,269 --> 00:29:55,440

but let's look quickly at wikipedia

551
00:30:02,389 --> 00:29:57,279
power balance

552
00:30:05,350 --> 00:30:02,399
hologram bracelets claimed by its

553
00:30:08,389 --> 00:30:05,360
manufacturers and vendors to use quote

554
00:30:10,710 --> 00:30:08,399
holographic technology end quote

555
00:30:13,110 --> 00:30:10,720
to quote resonate

556
00:30:15,350 --> 00:30:13,120
and respond with the natural energy

557
00:30:18,389 --> 00:30:15,360
field of the body end quote

558
00:30:20,230 --> 00:30:18,399
and increase sporting ability

559
00:30:23,590 --> 00:30:20,240
numerous independent studies of the

560
00:30:25,269 --> 00:30:23,600
device found it to be no more effective

561
00:30:27,990 --> 00:30:25,279
than placebo

562
00:30:30,470 --> 00:30:28,000
for enhancing athletic performance and

563
00:30:35,750 --> 00:30:30,480

the manufacturer was forced by the acc

564

00:30:37,590 --> 00:30:35,760

to retract any previous claims in 2010

565

00:30:40,230 --> 00:30:37,600

the product was originally promoted at

566

00:30:43,590 --> 00:30:40,240

trade shows at the beginning of 2006

567

00:30:45,510 --> 00:30:43,600

utilizing applied kinesiology

568

00:30:48,830 --> 00:30:45,520

and that's a well-known

569

00:30:51,430 --> 00:30:48,840

form of quackery as its most

570

00:30:54,230 --> 00:30:51,440

effective sales tool

571

00:30:57,350 --> 00:30:54,240

the bracelets went on sale in 2007 and

572

00:30:59,909 --> 00:30:57,360

had several celebrity endorsements

573

00:31:00,950 --> 00:30:59,919

they had become a trend among high

574

00:31:03,669 --> 00:31:00,960

school

575

00:31:07,509 --> 00:31:03,679

collegiate and professional sports

576

00:31:10,630 --> 00:31:07,519

between 2008 and 2012 although bands are

577

00:31:13,990 --> 00:31:10,640

regularly cited on athletes today

578

00:31:15,509 --> 00:31:14,000

those five years were the biggest boom

579

00:31:17,990 --> 00:31:15,519

for power balance

580

00:31:20,950 --> 00:31:18,000

it goes on power balance headquarters

581

00:31:23,269 --> 00:31:20,960

which was located in laguna niguél

582

00:31:25,430 --> 00:31:23,279

california at the time denied that they

583

00:31:27,350 --> 00:31:25,440

made any medical or scientific claims

584

00:31:28,549 --> 00:31:27,360

about their products now

585

00:31:30,630 --> 00:31:28,559

years ago

586

00:31:33,590 --> 00:31:30,640

a decade or so ago

587

00:31:35,430 --> 00:31:33,600

brian dunning from skeptoid and i

588

00:31:38,630 --> 00:31:35,440

drove over to the power balance

589

00:31:41,909 --> 00:31:38,640

headquarters at laguna niguel

590

00:31:43,029 --> 00:31:41,919

and we were too um chicken to go inside

591

00:31:44,789 --> 00:31:43,039

and and

592

00:31:46,870 --> 00:31:44,799

confront them and we actually we thought

593

00:31:49,029 --> 00:31:46,880

there'd be no point what's the point

594

00:31:51,509 --> 00:31:49,039

uh i think we had some photographs taken

595

00:31:53,110 --> 00:31:51,519

out the front of their office cheesy

596

00:31:54,149 --> 00:31:53,120

smiles to the camera or something like

597

00:32:00,470 --> 00:31:54,159

that

598

00:32:03,669 --> 00:32:00,480

it was uh action taken here

599

00:32:06,149 --> 00:32:03,679

in australia that i think had a huge

600

00:32:08,630 --> 00:32:06,159

impact in the downfall of power balance

601
00:32:11,110 --> 00:32:08,640
and you know i can take a small

602
00:32:15,029 --> 00:32:11,120
measure of credit in that downfall so in

603
00:32:17,590 --> 00:32:15,039
late november or early december 2009 the

604
00:32:19,750 --> 00:32:17,600
today tonight tabloid tv program here in

605
00:32:21,509 --> 00:32:19,760
australia featured a story about power

606
00:32:24,230 --> 00:32:21,519
balance wristbands

607
00:32:25,669 --> 00:32:24,240
and it was pretty positive

608
00:32:33,110 --> 00:32:25,679
the

609
00:32:35,190 --> 00:32:33,120
kinesiology tricks

610
00:32:36,710 --> 00:32:35,200
and it was a very positive report i saw

611
00:32:39,029 --> 00:32:36,720
this report

612
00:32:41,430 --> 00:32:39,039
and i i know i know the tricks of

613
00:32:43,750 --> 00:32:41,440

applied kinesiology so i wrote

614

00:32:45,350 --> 00:32:43,760

emailed the producer and said if you'd

615

00:32:47,430 --> 00:32:45,360

like to have me on i could show you how

616

00:32:50,470 --> 00:32:47,440

the tricks work

617

00:32:53,669 --> 00:32:50,480

they did within a week i was on a plane

618

00:32:55,590 --> 00:32:53,679

to adelaide where i filmed the segment

619

00:32:56,950 --> 00:32:55,600

with the crew

620

00:33:02,230 --> 00:32:56,960

and

621

00:33:04,389 --> 00:33:02,240

was the um the head of power balance

622

00:33:07,669 --> 00:33:04,399

australia at the time

623

00:33:09,909 --> 00:33:07,679

and it says even says here in wikipedia

624

00:33:11,830 --> 00:33:09,919

in december 2009 an informal double

625

00:33:13,669 --> 00:33:11,840

blind test was performed on the

626

00:33:15,430 --> 00:33:13,679

australian television program today

627

00:33:17,029 --> 00:33:15,440

tonight led by richard saunders from

628

00:33:19,269 --> 00:33:17,039

australian skeptics

629

00:33:21,750 --> 00:33:19,279

the results showed strong evidence that

630

00:33:23,509 --> 00:33:21,760

any effect of the holograms is too small

631

00:33:25,430 --> 00:33:23,519

to measure against the placebo effect

632

00:33:27,750 --> 00:33:25,440

well yes more or less

633

00:33:30,470 --> 00:33:27,760

we performed a series of tests

634

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

where tom o'dowd was

635

00:33:35,990 --> 00:33:33,360

given a lineup of people one of whom

636

00:33:38,870 --> 00:33:36,000

had the real device about their person

637

00:33:41,990 --> 00:33:38,880

and he did these applied kinesiology

638

00:33:45,110 --> 00:33:42,000

tests and test after test after test he

639

00:33:47,110 --> 00:33:45,120

could not tell which person had the real

640

00:33:49,750 --> 00:33:47,120

power balance device

641

00:33:54,230 --> 00:33:49,760

as opposed to uh dummy cards we had as

642

00:33:57,590 --> 00:33:54,240

well it was a pretty um spectacular fail

643

00:34:01,029 --> 00:33:57,600

and i i think that in part led to

644

00:34:02,389 --> 00:34:01,039

later on the uh australian authorities

645

00:34:05,190 --> 00:34:02,399

um

646

00:34:08,230 --> 00:34:05,200

taking the company to task this is a

647

00:34:10,869 --> 00:34:08,240

very lengthy article it says here in

648

00:34:13,589 --> 00:34:10,879

december 2010 the australian competition

649

00:34:15,589 --> 00:34:13,599

and consumer commission a triple c

650

00:34:18,710 --> 00:34:15,599

obtained from power balance australia

651
00:34:21,589 --> 00:34:18,720
proprietary limited an undertaking to

652
00:34:24,230 --> 00:34:21,599
take a number of actions in relation to

653
00:34:26,550 --> 00:34:24,240
correcting their misleading advertising

654
00:34:27,750 --> 00:34:26,560
and they had to produce in newspapers

655
00:34:28,790 --> 00:34:27,760
and so on

656
00:34:31,430 --> 00:34:28,800
um

657
00:34:33,750 --> 00:34:31,440
retractions and apologies and so on in

658
00:34:36,230 --> 00:34:33,760
november 2011 power balance filed for

659
00:34:39,750 --> 00:34:36,240
bankruptcy after suffering a net loss of

660
00:34:41,589 --> 00:34:39,760
more than 9 million that year

661
00:34:44,629 --> 00:34:41,599
but let's see

662
00:34:50,149 --> 00:34:44,639
what was reported in the newspapers

663
00:34:51,909 --> 00:34:50,159

at the time about a decade or so ago

664

00:34:53,990 --> 00:34:51,919

now i was surprised to see that there

665

00:34:55,669 --> 00:34:54,000

were quite a lot of returns when i'm

666

00:34:58,630 --> 00:34:55,679

looking for power balance

667

00:35:01,030 --> 00:34:58,640

and i've also raided my own archives

668

00:35:04,870 --> 00:35:01,040

i made at the time of various newspaper

669

00:35:06,870 --> 00:35:04,880

reports but here's a report by

670

00:35:12,310 --> 00:35:06,880

nick walshaw

671

00:35:15,349 --> 00:35:12,320

of the daily telegraph published in 2010

672

00:35:17,670 --> 00:35:15,359

on the 11th of june

673

00:35:19,670 --> 00:35:17,680

i'm not wearing one of those things no

674

00:35:21,990 --> 00:35:19,680

way this is how the power balance

675

00:35:24,470 --> 00:35:22,000

wristbands was welcomed into new south

676
00:35:26,870 --> 00:35:24,480
wales origin camp this week

677
00:35:29,430 --> 00:35:26,880
now just as an aside for international

678
00:35:31,510 --> 00:35:29,440
listeners origin is um

679
00:35:34,150 --> 00:35:31,520
it's a football competition here in

680
00:35:36,310 --> 00:35:34,160
australia held in the middle of winter

681
00:35:38,390 --> 00:35:36,320
a three match series played between new

682
00:35:39,910 --> 00:35:38,400
south wales rugby league and queensland

683
00:35:41,190 --> 00:35:39,920
rugby league

684
00:35:44,710 --> 00:35:41,200
we go on

685
00:35:47,430 --> 00:35:44,720
it was laughed off by one senior blue

686
00:35:49,430 --> 00:35:47,440
oh and blue is the new south wales team

687
00:35:52,790 --> 00:35:49,440
who felt he put too many years into

688
00:35:55,190 --> 00:35:52,800

running shuttles benching iron

689

00:35:56,470 --> 00:35:55,200

to shove all faith into some rubbery

690

00:35:58,230 --> 00:35:56,480

trinket

691

00:36:01,750 --> 00:35:58,240

at which point blue's wrestling coach

692

00:36:04,870 --> 00:36:01,760

john donohue extended his hand

693

00:36:07,430 --> 00:36:04,880

with said sky blue bracelet

694

00:36:09,109 --> 00:36:07,440

simply shrugged and said

695

00:36:10,470 --> 00:36:09,119

you have to wear it mate they're a

696

00:36:12,630 --> 00:36:10,480

sponsor

697

00:36:15,990 --> 00:36:12,640

yep this is the humorous truth behind

698

00:36:18,710 --> 00:36:16,000

australia's latest sporting fad

699

00:36:20,710 --> 00:36:18,720

the reality of a wristband now dropping

700

00:36:22,870 --> 00:36:20,720

on mass off the same production line

701
00:36:23,910 --> 00:36:22,880
that gave us torpedo pants and nasal

702
00:36:28,230 --> 00:36:23,920
strips

703
00:36:30,870 --> 00:36:28,240
reebok pumps and lemon detox diet

704
00:36:32,470 --> 00:36:30,880
afl in western sydney

705
00:36:36,150 --> 00:36:32,480
peter brock

706
00:36:37,750 --> 00:36:36,160
had the crystals for his commodore

707
00:36:41,030 --> 00:36:37,760
dk lily

708
00:36:44,710 --> 00:36:41,040
an aluminium bat goes on to say

709
00:36:47,030 --> 00:36:44,720
some sixty dollars of silicon that since

710
00:36:49,990 --> 00:36:47,040
being discovered someone ironically in a

711
00:36:52,790 --> 00:36:50,000
south coast pro shop by west tiger's

712
00:36:55,990 --> 00:36:52,800
prankster bo ryan it has spread

713
00:36:56,870 --> 00:36:56,000

throughout every nrl club and now into

714

00:36:59,910 --> 00:36:56,880

the

715

00:37:02,069 --> 00:36:59,920

origin arena only last week power

716

00:37:04,950 --> 00:37:02,079

balance employees conducted a series of

717

00:37:07,109 --> 00:37:04,960

tests on every tiger's player before

718

00:37:08,790 --> 00:37:07,119

individually fitting those wristbands

719

00:37:12,670 --> 00:37:08,800

said to increase power speed and

720

00:37:14,710 --> 00:37:12,680

flexibility to improve core strength by

721

00:37:17,510 --> 00:37:14,720

500 percent

722

00:37:20,150 --> 00:37:17,520

like an ab cruncher without well the

723

00:37:23,990 --> 00:37:20,160

crunching goes on to say indeed power

724

00:37:26,870 --> 00:37:24,000

balance ceo tom o'dowd stressed that

725

00:37:29,349 --> 00:37:26,880

outside a website spiel about holograms

726

00:37:32,630 --> 00:37:29,359

embedded with positive frequencies

727

00:37:34,790 --> 00:37:32,640

little can also be revealed about his

728

00:37:37,030 --> 00:37:34,800

product because nobody wants to give

729

00:37:39,510 --> 00:37:37,040

away their secrets and the marketplace

730

00:37:42,230 --> 00:37:39,520

is already flooded with cheap fakes

731

00:37:43,990 --> 00:37:42,240

not all the blues however will wear them

732

00:37:46,069 --> 00:37:44,000

like our veteran who just before the

733

00:37:49,670 --> 00:37:46,079

official team photo protested along the

734

00:37:50,630 --> 00:37:49,680

lines of an nrl coordinator who insists

735

00:37:53,910 --> 00:37:50,640

that

736

00:37:57,829 --> 00:37:53,920

they quote merely satisfy

737

00:38:00,150 --> 00:37:57,839

quick fix needs of gen y then quote

738

00:38:03,510 --> 00:38:00,160

another labeled them dubious while

739

00:38:06,310 --> 00:38:03,520

canterbury coordinator tom grimaldi said

740

00:38:09,670 --> 00:38:06,320

none of his players wear them a few

741

00:38:12,390 --> 00:38:09,680

weeks back we had two grimaldi shrugs

742

00:38:14,630 --> 00:38:12,400

but they did nothing so the boys chuck

743

00:38:16,150 --> 00:38:14,640

them and this just goes to illustrate

744

00:38:17,270 --> 00:38:16,160

how

745

00:38:20,310 --> 00:38:17,280

important

746

00:38:23,109 --> 00:38:20,320

promoting these bands were at the time

747

00:38:25,109 --> 00:38:23,119

of sporting teams so free samples were

748

00:38:27,910 --> 00:38:25,119

sent to sporting teams

749

00:38:29,910 --> 00:38:27,920

players wore them and um

750

00:38:31,190 --> 00:38:29,920

they got a lot of free publicity that

751

00:38:32,870 --> 00:38:31,200

way

752

00:38:36,550 --> 00:38:32,880

now we come to a report in the sydney

753

00:38:39,030 --> 00:38:36,560

morning herald dated the 24th of

754

00:38:40,790 --> 00:38:39,040

june 2010

755

00:38:43,589 --> 00:38:40,800

the power of one

756

00:38:45,030 --> 00:38:43,599

banned claims to be tackled by health

757

00:38:47,750 --> 00:38:45,040

regulator

758

00:38:51,030 --> 00:38:47,760

by nikki phillips science

759

00:38:53,270 --> 00:38:51,040

a sports product endorsed by nrl and afl

760

00:38:55,270 --> 00:38:53,280

players may be investigated by the

761

00:38:56,710 --> 00:38:55,280

national health regulator after it

762

00:39:00,069 --> 00:38:56,720

received a complaint that the

763

00:39:03,270 --> 00:39:00,079

manufacturer is making bogus medical

764

00:39:04,790 --> 00:39:03,280

claims power balance wristbands marketed

765

00:39:07,589 --> 00:39:04,800

as being able to

766

00:39:08,790 --> 00:39:07,599

instantly improve strength flexibility

767

00:39:11,510 --> 00:39:08,800

and balance

768

00:39:14,710 --> 00:39:11,520

adorn the wrists of many of australia's

769

00:39:18,069 --> 00:39:14,720

top athletes including afl player

770

00:39:20,950 --> 00:39:18,079

brendan favala and nrl players

771

00:39:23,109 --> 00:39:20,960

timana tohu and benji marshall

772

00:39:25,030 --> 00:39:23,119

the bands which are made of silicon

773

00:39:28,470 --> 00:39:25,040

contain a small hologram which the

774

00:39:30,710 --> 00:39:28,480

distributors claim is quote embedded

775

00:39:34,150 --> 00:39:30,720

with frequencies that react positively

776

00:39:35,670 --> 00:39:34,160

with your body's natural energy field

777

00:39:37,750 --> 00:39:35,680

end quote

778

00:39:39,510 --> 00:39:37,760

and if you ever need an example of word

779

00:39:41,829 --> 00:39:39,520

salad that was it

780

00:39:43,510 --> 00:39:41,839

the therapeutics goods administration

781

00:39:45,270 --> 00:39:43,520

rejected initial concerns about the

782

00:39:47,030 --> 00:39:45,280

product saying the bans were not

783

00:39:48,710 --> 00:39:47,040

registered with the administration

784

00:39:51,910 --> 00:39:48,720

because they do not meet the definition

785

00:39:54,630 --> 00:39:51,920

of a medical device or therapeutic good

786

00:39:56,870 --> 00:39:54,640

but dr ken harvey a public health

787

00:39:59,030 --> 00:39:56,880

researcher at la trobe university said

788

00:40:01,270 --> 00:39:59,040

the distributor of power balance was

789

00:40:03,270 --> 00:40:01,280

making medical claims and breaking the

790

00:40:05,510 --> 00:40:03,280

therapeutics goods act by not

791

00:40:07,349 --> 00:40:05,520

registering its product in his

792

00:40:11,030 --> 00:40:07,359

submission to the administration's

793

00:40:13,190 --> 00:40:11,040

complaint resolutions panel he said the

794

00:40:14,990 --> 00:40:13,200

bracelets also breached the tga's

795

00:40:17,829 --> 00:40:15,000

advertising code by making

796

00:40:20,790 --> 00:40:17,839

unsubstantiated claims to date the

797

00:40:23,670 --> 00:40:20,800

american manufacturer has not published

798

00:40:26,150 --> 00:40:23,680

a single peer-reviewed clinical study

799

00:40:28,390 --> 00:40:26,160

instead numerous celebrity endorsements

800

00:40:30,470 --> 00:40:28,400

are displayed on the website if you look

801

00:40:33,670 --> 00:40:30,480

at the science behind the band it is

802

00:40:35,910 --> 00:40:33,680

unstated unclear and unpublished said dr

803

00:40:38,150 --> 00:40:35,920

mark cohen a medical doctor and

804

00:40:41,190 --> 00:40:38,160

associate professor of complementary

805

00:40:43,109 --> 00:40:41,200

medicine at rmit university i am very

806

00:40:45,670 --> 00:40:43,119

dubious of anything that is based on

807

00:40:47,990 --> 00:40:45,680

anecdotes and testimonials

808

00:40:50,309 --> 00:40:48,000

and absolutely no scientific evidence

809

00:40:51,990 --> 00:40:50,319

power balance claims the hologram in the

810

00:40:55,349 --> 00:40:52,000

center of the bracelet is made from

811

00:40:56,230 --> 00:40:55,359

mylar a polyester film treated with

812

00:40:58,950 --> 00:40:56,240

quote

813

00:41:01,750 --> 00:40:58,960

energy waves at specific frequencies

814

00:41:03,430 --> 00:41:01,760

unquote the company said this interacted

815

00:41:06,230 --> 00:41:03,440

with the quote

816

00:41:09,510 --> 00:41:06,240

body's natural energy flow end quote to

817

00:41:12,230 --> 00:41:09,520

improve strength balance and flexibility

818

00:41:14,790 --> 00:41:12,240

dr cohen said the term natural energy

819

00:41:17,109 --> 00:41:14,800

flow was often referred in eastern

820

00:41:19,190 --> 00:41:17,119

chinese medicine as the acupuncture

821

00:41:21,430 --> 00:41:19,200

meridian or chi

822

00:41:23,829 --> 00:41:21,440

while all living cells give off small

823

00:41:26,150 --> 00:41:23,839

electrical impulses it had never been

824

00:41:28,550 --> 00:41:26,160

proven that what flows through the

825

00:41:29,670 --> 00:41:28,560

acupuncture meridian was electrical

826
00:41:31,349 --> 00:41:29,680
energy

827
00:41:33,430 --> 00:41:31,359
i'll just say here let's remember

828
00:41:36,150 --> 00:41:33,440
hyman's maxim

829
00:41:39,030 --> 00:41:36,160
before trying to determine how something

830
00:41:41,750 --> 00:41:39,040
works discover if it works so by saying

831
00:41:43,670 --> 00:41:41,760
it had never been proven that

832
00:41:44,710 --> 00:41:43,680
what flows through the acupuncture

833
00:41:46,470 --> 00:41:44,720
meridian

834
00:41:49,030 --> 00:41:46,480
well first of all it's never been proven

835
00:41:50,550 --> 00:41:49,040
that there are acupuncture meridians and

836
00:41:51,750 --> 00:41:50,560
it's never been proven that anything

837
00:41:54,470 --> 00:41:51,760
flows

838
00:41:56,790 --> 00:41:54,480

there regardless we read on

839

00:41:59,829 --> 00:41:56,800

a rigorous scientific study to test the

840

00:42:00,710 --> 00:41:59,839

claims could be easily set up dr cohen

841

00:42:03,510 --> 00:42:00,720

said

842

00:42:05,750 --> 00:42:03,520

you just need a placebo band and a power

843

00:42:07,109 --> 00:42:05,760

balance band to see if the wearer is

844

00:42:08,870 --> 00:42:07,119

stronger or not

845

00:42:11,270 --> 00:42:08,880

the distributor tom o'dowd said

846

00:42:13,589 --> 00:42:11,280

customers would be requesting a refund

847

00:42:15,190 --> 00:42:13,599

if the technology didn't work

848

00:42:17,670 --> 00:42:15,200

in just a couple of points here i did

849

00:42:19,990 --> 00:42:17,680

that test on tv with to no doubt the

850

00:42:21,589 --> 00:42:20,000

double-blind test with a placebo it

851

00:42:23,190 --> 00:42:21,599

wasn't rigorous of course it wasn't a

852

00:42:24,390 --> 00:42:23,200

scientifically rigorous test but it was

853

00:42:26,950 --> 00:42:24,400

good enough

854

00:42:29,510 --> 00:42:26,960

and this point where tomorrow dallas

855

00:42:31,670 --> 00:42:29,520

said customers would request a refund if

856

00:42:32,390 --> 00:42:31,680

the product didn't work well often not

857

00:42:34,710 --> 00:42:32,400

no

858

00:42:37,430 --> 00:42:34,720

and power balance is a great

859

00:42:40,470 --> 00:42:37,440

case study in that thousands of were

860

00:42:41,829 --> 00:42:40,480

sold it didn't work as we we know it

861

00:42:43,510 --> 00:42:41,839

didn't work

862

00:42:45,349 --> 00:42:43,520

yet thousands of people were not

863

00:42:47,030 --> 00:42:45,359

requesting refunds

864

00:42:48,710 --> 00:42:47,040

either they just kept wearing it they

865

00:42:49,990 --> 00:42:48,720

put it in the cupboard or forgot about

866

00:42:51,510 --> 00:42:50,000

it

867

00:42:53,670 --> 00:42:51,520

they didn't care

868

00:42:56,630 --> 00:42:53,680

they didn't worry about it

869

00:42:59,270 --> 00:42:56,640

that is a great one used by quack saying

870

00:43:01,510 --> 00:42:59,280

that well this product

871

00:43:02,870 --> 00:43:01,520

offers a full refund well so what if it

872

00:43:04,710 --> 00:43:02,880

doesn't work in the

873

00:43:06,150 --> 00:43:04,720

in the beginning

874

00:43:09,349 --> 00:43:06,160

and now from the sydney morning herald

875

00:43:11,750 --> 00:43:09,359

again dated the 20th of november 2010

876
00:43:12,950 --> 00:43:11,760
therapeutic wristbands are not so

877
00:43:15,910 --> 00:43:12,960
therapeutic

878
00:43:17,829 --> 00:43:15,920
by nikki phillips technology

879
00:43:19,030 --> 00:43:17,839
the distributors of power balance

880
00:43:21,430 --> 00:43:19,040
wristbands

881
00:43:22,950 --> 00:43:21,440
breached federal laws by falsely

882
00:43:25,589 --> 00:43:22,960
claiming they could improve people's

883
00:43:26,870 --> 00:43:25,599
fitness an independent review panel has

884
00:43:29,589 --> 00:43:26,880
found

885
00:43:31,670 --> 00:43:29,599
the 60 bands contain a small hologram

886
00:43:33,990 --> 00:43:31,680
which the owners claimed has been

887
00:43:35,910 --> 00:43:34,000
embedded with frequencies that react

888
00:43:38,870 --> 00:43:35,920

positively with the body's natural

889

00:43:40,550 --> 00:43:38,880

energy field to improve balance stamina

890

00:43:42,870 --> 00:43:40,560

and flexibility

891

00:43:45,190 --> 00:43:42,880

during the past year the silicon bands

892

00:43:47,109 --> 00:43:45,200

have adorned the wrists of many

893

00:43:51,030 --> 00:43:47,119

well-known australian athletes including

894

00:43:53,349 --> 00:43:51,040

afl player brendan fivola and nrl player

895

00:43:54,870 --> 00:43:53,359

benji marshall the panel which reviews

896

00:43:57,190 --> 00:43:54,880

complaints about breaches of the

897

00:43:59,030 --> 00:43:57,200

therapeutics goods advertising code

898

00:44:01,430 --> 00:43:59,040

found some websites including

899

00:44:04,309 --> 00:44:01,440

powerbalance.com.eu

900

00:44:06,470 --> 00:44:04,319

violated the code by publishing

901
00:44:09,349 --> 00:44:06,480
advertisements that suggested the bans

902
00:44:11,430 --> 00:44:09,359
were therapeutic in australia any

903
00:44:13,829 --> 00:44:11,440
product that claims to have therapeutic

904
00:44:16,710 --> 00:44:13,839
use must be included on the australian

905
00:44:18,870 --> 00:44:16,720
register of therapeutic goods where

906
00:44:20,950 --> 00:44:18,880
medicines and medical devices are

907
00:44:23,430 --> 00:44:20,960
assessed based on their risk to the

908
00:44:25,589 --> 00:44:23,440
public the complaints resolution panel

909
00:44:28,069 --> 00:44:25,599
said because the advertisements

910
00:44:30,470 --> 00:44:28,079
suggested the bans were therapeutic

911
00:44:33,589 --> 00:44:30,480
their proposed benefits were misleading

912
00:44:35,589 --> 00:44:33,599
aroused unwarranted expectation about

913
00:44:38,550 --> 00:44:35,599

their effectiveness and provided no

914

00:44:40,950 --> 00:44:38,560

evidence to support their claims the

915

00:44:42,950 --> 00:44:40,960

panel asked power balance australia

916

00:44:45,430 --> 00:44:42,960

which distributes the band on behalf of

917

00:44:47,829 --> 00:44:45,440

the us manufacturer and

918

00:44:51,190 --> 00:44:47,839

other websites promoting the bands to

919

00:44:54,069 --> 00:44:51,200

withdraw their advertisements

920

00:44:56,630 --> 00:44:54,079

they also required any advertisements

921

00:44:59,510 --> 00:44:56,640

claiming the ban could restore balance

922

00:45:02,309 --> 00:44:59,520

and equilibrium increase stamina and

923

00:45:03,589 --> 00:45:02,319

improve recovery and flexibility be

924

00:45:05,829 --> 00:45:03,599

withdrawn

925

00:45:07,910 --> 00:45:05,839

in response power balance acknowledged

926
00:45:09,910 --> 00:45:07,920
it had breached the code

927
00:45:12,230 --> 00:45:09,920
since the time of the complaint the

928
00:45:14,390 --> 00:45:12,240
relevant claims have been removed from

929
00:45:16,950 --> 00:45:14,400
the website it said

930
00:45:18,550 --> 00:45:16,960
ken harvey a public health physician at

931
00:45:20,870 --> 00:45:18,560
la trobe university who made the

932
00:45:23,349 --> 00:45:20,880
original complaint to the panel said

933
00:45:25,670 --> 00:45:23,359
that despite the finding against power

934
00:45:27,589 --> 00:45:25,680
balance the panel had no powers to

935
00:45:31,270 --> 00:45:27,599
implement sanctions

936
00:45:34,230 --> 00:45:31,280
sponsors or advertisers in the know

937
00:45:37,589 --> 00:45:34,240
knowing this panel has no power thumb

938
00:45:39,910 --> 00:45:37,599

their nose and do nothing he said

939

00:45:42,470 --> 00:45:39,920

the panel which meets only once a month

940

00:45:43,589 --> 00:45:42,480

was always overloaded with complaints he

941

00:45:46,309 --> 00:45:43,599

said

942

00:45:48,150 --> 00:45:46,319

the therapeutic goods administration did

943

00:45:50,390 --> 00:45:48,160

not agree with the findings saying it

944

00:45:52,470 --> 00:45:50,400

did not believe the wristbands were a

945

00:45:55,270 --> 00:45:52,480

therapeutic good as defined by the

946

00:45:56,790 --> 00:45:55,280

therapeutic goods act

947

00:45:59,910 --> 00:45:56,800

there are a number of products on the

948

00:46:02,550 --> 00:45:59,920

market that make claims that may not be

949

00:46:04,550 --> 00:46:02,560

capable of being substantiated however

950

00:46:06,390 --> 00:46:04,560

such claims do not necessarily make

951
00:46:09,030 --> 00:46:06,400
these products therapeutic goods as

952
00:46:11,349 --> 00:46:09,040
defined by the therapeutics goods act a

953
00:46:13,670 --> 00:46:11,359
spokeswoman said

954
00:46:16,470 --> 00:46:13,680
and yes a big shout out to ken harvey

955
00:46:19,109 --> 00:46:16,480
what a champion of uh

956
00:46:21,430 --> 00:46:19,119
health he is and

957
00:46:24,470 --> 00:46:21,440
a tireless campaigner in the fight

958
00:46:26,790 --> 00:46:24,480
against quackery like this device

959
00:46:28,390 --> 00:46:26,800
and let's round this off with a

960
00:46:30,950 --> 00:46:28,400
couple of letters to the editor of the

961
00:46:34,790 --> 00:46:30,960
sydney morning herald which appeared on

962
00:46:36,230 --> 00:46:34,800
the 24th of december 2010

963
00:46:38,069 --> 00:46:36,240

and there's a little cartoon

964

00:46:40,829 --> 00:46:38,079

accompanying this page

965

00:46:45,030 --> 00:46:40,839

with a man behind a little

966

00:46:48,309 --> 00:46:45,040

table selling these bands at 50 each

967

00:46:51,109 --> 00:46:48,319

and he says bracelets get your anti-scam

968

00:46:52,390 --> 00:46:51,119

bracelets here protection against

969

00:46:54,150 --> 00:46:52,400

fraudsters

970

00:46:57,270 --> 00:46:54,160

first letter says

971

00:46:59,829 --> 00:46:57,280

power imbalance goes against gullible

972

00:47:01,030 --> 00:46:59,839

now that the power balance bunkum has

973

00:47:02,630 --> 00:47:01,040

been blown

974

00:47:04,870 --> 00:47:02,640

perhaps the australian competition and

975

00:47:06,990 --> 00:47:04,880

consumer commission could turn its

976

00:47:09,430 --> 00:47:07,000

attention to the myriad other

977

00:47:11,430 --> 00:47:09,440

pseudo-scientific scams bilking the

978

00:47:14,309 --> 00:47:11,440

public how about sending a few

979

00:47:18,069 --> 00:47:14,319

investigators to that charlatans loving

980

00:47:20,870 --> 00:47:18,079

the mind body spirit festival and see if

981

00:47:23,510 --> 00:47:20,880

those peddlers of pricey

982

00:47:24,470 --> 00:47:23,520

piffle can justify their outlandish

983

00:47:26,309 --> 00:47:24,480

claims

984

00:47:27,910 --> 00:47:26,319

and that was written by

985

00:47:32,309 --> 00:47:27,920

jeff saunders

986

00:47:34,549 --> 00:47:32,319

jamboree who happens to be my brother

987

00:47:37,190 --> 00:47:34,559

and the next letter says

988

00:47:39,829 --> 00:47:37,200

i thought power balance bans were a

989

00:47:42,630 --> 00:47:39,839

great idea they allowed me to instantly

990

00:47:44,870 --> 00:47:42,640

identify stupid and gullible people

991

00:47:49,130 --> 00:47:44,880

a bit mean-hearted there from david

992

00:47:52,470 --> 00:47:50,630

[Music]

993

00:47:55,190 --> 00:47:52,480

there we go some of the

994

00:47:57,670 --> 00:47:55,200

interesting media reports of the time of

995

00:48:00,150 --> 00:47:57,680

power balance and you can still buy

996

00:48:02,069 --> 00:48:00,160

similar products but the heyday

997

00:48:04,630 --> 00:48:02,079

when it was a really big fad and there

998

00:48:06,710 --> 00:48:04,640

were lots of knockoffs and clones and

999

00:48:08,549 --> 00:48:06,720

people jumping on the bandwagon at the

1000

00:48:09,829 --> 00:48:08,559

time there must have been millions of

1001

00:48:11,510 --> 00:48:09,839

these things made

1002

00:48:13,829 --> 00:48:11,520

at some stage or other in the following

1003

00:48:15,990 --> 00:48:13,839

years i found a barrel full of them

1004

00:48:17,910 --> 00:48:16,000

being sold for three dollars each at the

1005

00:48:19,589 --> 00:48:17,920

reverse garbage store here in sydney

1006

00:48:20,390 --> 00:48:19,599

which sells

1007

00:48:23,109 --> 00:48:20,400

things

1008

00:48:26,230 --> 00:48:23,119

at the end of the line or or what not

1009

00:48:29,589 --> 00:48:26,240

power balance wristbands a case study in

1010

00:48:32,309 --> 00:48:29,599

quackery frauds cons investigations an

1011

00:48:34,950 --> 00:48:32,319

action being taken and a lot of credit

1012

00:48:36,549 --> 00:48:34,960

of course goes to ken harvey for his

1013

00:48:38,549 --> 00:48:36,559

tireless work

1014

00:48:41,349 --> 00:48:38,559

but for me personally

1015

00:48:43,510 --> 00:48:41,359

it was uh quite an event

1016

00:48:45,190 --> 00:48:43,520

to do those blind double-blind tests

1017

00:48:48,470 --> 00:48:45,200

with the manufacturer or i should say

1018

00:48:51,250 --> 00:48:48,480

the the distributor here in australia

1019

00:48:53,270 --> 00:48:51,260

on national television

1020

00:48:55,670 --> 00:48:53,280

[Music]

1021

00:48:57,670 --> 00:48:55,680

yes i'll link to that report that tv

1022

00:48:59,670 --> 00:48:57,680

report in this week's show notes

1023

00:49:00,829 --> 00:48:59,680

but you don't need a link to visit trove

1024

00:49:03,510 --> 00:49:00,839

at

1025

00:49:05,670 --> 00:49:03,520

trove.nla.gov dot a u

1026
00:49:08,970 --> 00:49:05,680
put in your search and you never know

1027
00:49:33,670 --> 00:49:08,980
what you'll find

1028
00:49:36,069 --> 00:49:35,190
thank you for listening to the skeptic

1029
00:49:38,470 --> 00:49:36,079
zone

1030
00:49:41,990 --> 00:49:38,480
at the time of recording which is sunday

1031
00:49:45,270 --> 00:49:42,000
morning the 9th here in sydney australia

1032
00:49:47,190 --> 00:49:45,280
i do not yet know today's covert numbers

1033
00:49:48,870 --> 00:49:47,200
for new south wales but in the last week

1034
00:49:51,750 --> 00:49:48,880
they have shot up

1035
00:49:53,990 --> 00:49:51,760
uh by leaps and bounds and media were

1036
00:49:56,790 --> 00:49:54,000
using terms like skyrocketing an

1037
00:49:59,349 --> 00:49:56,800
explosion of cases and

1038
00:50:00,150 --> 00:49:59,359

yesterday uh if i remember correctly it

1039

00:50:02,710 --> 00:50:00,160

was

1040

00:50:04,069 --> 00:50:02,720

45 000

1041

00:50:06,549 --> 00:50:04,079

cases plus

1042

00:50:08,710 --> 00:50:06,559

in the state of victoria it was 50 000

1043

00:50:10,549 --> 00:50:08,720

cases plus

1044

00:50:12,950 --> 00:50:10,559

who knows who knows what it will be

1045

00:50:15,430 --> 00:50:12,960

today to all my listeners around the

1046

00:50:17,510 --> 00:50:15,440

world but particularly in australia

1047

00:50:20,470 --> 00:50:17,520

i don't know what to say just continue

1048

00:50:22,069 --> 00:50:20,480

to take care i had my booster about four

1049

00:50:23,750 --> 00:50:22,079

days ago

1050

00:50:26,230 --> 00:50:23,760

it was uh

1051
00:50:28,549 --> 00:50:26,240
moderna whereas before my first two

1052
00:50:31,270 --> 00:50:28,559
shots were astrazeneca and i had

1053
00:50:33,589 --> 00:50:31,280
extremely mild little reactions felt a

1054
00:50:35,990 --> 00:50:33,599
bit unwell and then was absolutely fine

1055
00:50:38,069 --> 00:50:36,000
moderna was a bit more

1056
00:50:40,470 --> 00:50:38,079
a bit more severe in the reaction my arm

1057
00:50:42,549 --> 00:50:40,480
was very sore and for about

1058
00:50:45,430 --> 00:50:42,559
oh i don't know maybe

1059
00:50:46,390 --> 00:50:45,440
maybe 24 hours or so i was feeling

1060
00:50:48,150 --> 00:50:46,400
uh

1061
00:50:49,750 --> 00:50:48,160
unwell

1062
00:50:52,150 --> 00:50:49,760
but it passes

1063
00:50:54,630 --> 00:50:52,160

and i know then that

1064

00:50:56,150 --> 00:50:54,640

those little antibodies in my body are

1065

00:50:57,829 --> 00:50:56,160

doing their job

1066

00:50:59,030 --> 00:50:57,839

even though the numbers are skyrocketing

1067

00:51:01,109 --> 00:50:59,040

of course

1068

00:51:03,430 --> 00:51:01,119

we should all still uh maintain our

1069

00:51:05,430 --> 00:51:03,440

schedule of vaccination

1070

00:51:08,069 --> 00:51:05,440

coming up on next week's show

1071

00:51:10,390 --> 00:51:08,079

the trove segment or look at that

1072

00:51:12,309 --> 00:51:10,400

evergreen of skepticism

1073

00:51:14,950 --> 00:51:12,319

crop circles

1074

00:51:16,790 --> 00:51:14,960

but before i go thank you once again

1075

00:51:19,109 --> 00:51:16,800

uh sincerely to those wonderful people

1076
00:51:20,230 --> 00:51:19,119
who subscribe to the skeptic zone with

1077
00:51:21,430 --> 00:51:20,240
money

1078
00:51:22,630 --> 00:51:21,440
funds

1079
00:51:23,750 --> 00:51:22,640
guilt

1080
00:51:24,790 --> 00:51:23,760
cash

1081
00:51:28,870 --> 00:51:24,800
luca

1082
00:51:31,349 --> 00:51:28,880
at skepticzone.tv via patreon or paypal

1083
00:51:34,470 --> 00:51:31,359
needless to say once again my other

1084
00:51:36,870 --> 00:51:34,480
sources of income have taken a dive

1085
00:51:39,109 --> 00:51:36,880
uh i think partly because

1086
00:51:40,710 --> 00:51:39,119
many people who would normally uh take

1087
00:51:43,990 --> 00:51:40,720
part in the entertainment industry in

1088
00:51:45,349 --> 00:51:44,000

the film industry tvs that sort of thing

1089

00:51:46,870 --> 00:51:45,359

they're getting sick with covert and

1090

00:51:49,109 --> 00:51:46,880

they can't turn up to work i'm sure

1091

00:51:51,589 --> 00:51:49,119

there's lots of productions and tv

1092

00:51:55,829 --> 00:51:51,599

productions uh movie productions and and

1093

00:51:59,430 --> 00:51:55,839

such being put on hold delayed cancelled

1094

00:52:02,230 --> 00:51:59,440

and uh so more than ever more than ever

1095

00:52:04,390 --> 00:52:02,240

i appreciate those people who contribute

1096

00:52:06,309 --> 00:52:04,400

to the skeptic zone to help keep me

1097

00:52:07,750 --> 00:52:06,319

producing the show every week

1098

00:52:10,069 --> 00:52:07,760

like those

1099

00:52:11,750 --> 00:52:10,079

birds outside the window i'm sure they

1100

00:52:13,190 --> 00:52:11,760

appreciate it too

1101
00:52:15,109 --> 00:52:13,200
another way you could possibly help the

1102
00:52:18,470 --> 00:52:15,119
skeptic zone is if you go to the

1103
00:52:20,630 --> 00:52:18,480
subscriptions page at skepticzone.tv

1104
00:52:22,549 --> 00:52:20,640
scroll down you'll notice a link to my

1105
00:52:24,230 --> 00:52:22,559
amazon wishlist

1106
00:52:25,589 --> 00:52:24,240
and you can always have a look at that

1107
00:52:27,510 --> 00:52:25,599
list to see if there's anything there

1108
00:52:29,750 --> 00:52:27,520
you would like to buy

1109
00:52:32,470 --> 00:52:29,760
for the skeptic zone as your donation

1110
00:52:33,990 --> 00:52:32,480
that would be much appreciated

1111
00:52:36,230 --> 00:52:34,000
but for this week

1112
00:52:42,230 --> 00:52:36,240
this is richard saunders signing off

1113
00:52:45,510 --> 00:52:43,990

you've been listening to the skeptic

1114

00:52:46,870 --> 00:52:45,520

zone podcast

1115

00:52:50,069 --> 00:52:46,880

please visit our website at

1116

00:52:55,670 --> 00:52:53,109

for show notes contacts and to access

1117

00:52:57,910 --> 00:52:55,680

the back catalog of episodes going back

1118

00:52:59,829 --> 00:52:57,920

to 2008.

1119

00:53:02,549 --> 00:52:59,839

you can follow the skeptic own podcast

1120

00:53:04,710 --> 00:53:02,559

on twitter at skepticzone

1121

00:53:07,030 --> 00:53:04,720

visit our facebook page or leave a

1122

00:53:09,109 --> 00:53:07,040

review on itunes

1123

00:53:12,309 --> 00:53:09,119

you can also support the skeptic zone

1124

00:53:15,670 --> 00:53:12,319

via patreon or paypal the skeptic zone

1125

00:53:17,270 --> 00:53:15,680

podcast is an independent production the

1126

00:53:19,589 --> 00:53:17,280

views and opinions expressed on the

1127

00:53:22,150 --> 00:53:19,599

skeptic zone are not necessarily those