

Episode 724

THE
**SKEPTIC
ZONE**
PODCAST

21 August 2022

Family Science Day
with Maynard

The Book of Tim
Micro Nations

MBW Report

TROVE
Min Min Light

Jim Wilshire
Poem
Min Min Man

www.skepticzone.tv

The Skeptic Zone
Podcast
Episode 724 - 21 August 2022



Maynard

The Skeptic Zone Podcast
Episode 724 - 21 August 2022



Tim Mendham

The Skeptic Zone Podcast
Episode 724 - 21 August 2022



Jim
WILSHIRE



1
00:00:09,190 --> 00:00:06,550

[Music]

2
00:00:13,940 --> 00:00:09,200

welcome to the skeptic zone the podcast

3
00:00:16,840 --> 00:00:13,950

from australia for science and reason

4
00:00:24,230 --> 00:00:16,850

[Applause]

5
00:00:28,950 --> 00:00:26,310

yes it's the skeptic zone podcast

6
00:00:32,229 --> 00:00:28,960

episode number 724

7
00:00:33,910 --> 00:00:32,239

for the 21st of august 2022

8
00:00:36,229 --> 00:00:33,920

richard sunder's coming to you from

9
00:00:37,190 --> 00:00:36,239

sydney australia and my voice is a

10
00:00:44,869 --> 00:00:37,200

little

11
00:00:46,869 --> 00:00:44,879

i was with

12
00:00:47,670 --> 00:00:46,879

ian bryce from the australian skeptics

13
00:00:48,950 --> 00:00:47,680

in

14

00:00:50,310 --> 00:00:48,960

maynard

15

00:00:53,029 --> 00:00:50,320

we were performing the mystery

16

00:00:55,750 --> 00:00:53,039

investigative science show for the

17

00:00:57,590 --> 00:00:55,760

parramatta city council the university

18

00:00:58,709 --> 00:00:57,600

of western sydney and the powerhouse

19

00:01:00,630 --> 00:00:58,719

museum

20

00:01:03,029 --> 00:01:00,640

what a wonderful day it was bending

21

00:01:04,310 --> 00:01:03,039

spoons doing water divining

22

00:01:06,789 --> 00:01:04,320

running around

23

00:01:08,469 --> 00:01:06,799

and having a lot of science fun so

24

00:01:11,109 --> 00:01:08,479

coming up at the top of the show

25

00:01:12,789 --> 00:01:11,119

maynard's report about the whole day

26
00:01:14,630 --> 00:01:12,799
and a big thank you to everybody who

27
00:01:16,950 --> 00:01:14,640
came along to see our show

28
00:01:19,429 --> 00:01:16,960
yesterday in parramatta

29
00:01:22,789 --> 00:01:19,439
how many spoons did we bend i can't

30
00:01:24,789 --> 00:01:22,799
imagine we gave away lots of ten sided

31
00:01:27,590 --> 00:01:24,799
die dice dice

32
00:01:28,950 --> 00:01:27,600
which uh everybody loved and generally

33
00:01:30,789 --> 00:01:28,960
had a lot of fun

34
00:01:33,270 --> 00:01:30,799
following that it's the

35
00:01:35,749 --> 00:01:33,280
report i promised for last week about

36
00:01:36,870 --> 00:01:35,759
the mind body spirit festival held here

37
00:01:39,109 --> 00:01:36,880
in sydney

38
00:01:41,590 --> 00:01:39,119

some months ago as i write in the

39

00:01:43,910 --> 00:01:41,600

article what is the sweep of time

40

00:01:45,830 --> 00:01:43,920

20 years of visiting this

41

00:01:47,030 --> 00:01:45,840

festival of nonsense

42

00:01:48,870 --> 00:01:47,040

taught me

43

00:01:51,030 --> 00:01:48,880

then we have the book of tim with tim

44

00:01:53,590 --> 00:01:51,040

mendum this week tim looks at micro

45

00:01:55,670 --> 00:01:53,600

nations those tiny little nations and

46

00:01:56,550 --> 00:01:55,680

principalities that pop up from time to

47

00:01:58,230 --> 00:01:56,560

time

48

00:02:00,950 --> 00:01:58,240

then to round off the show it's the

49

00:02:04,069 --> 00:02:00,960

trove segment this week we look at the

50

00:02:06,469 --> 00:02:04,079

strange min min light of outback

51
00:02:08,790 --> 00:02:06,479
queensland the mysterious hovering light

52
00:02:12,550 --> 00:02:08,800
that has been seen on and off for

53
00:02:14,309 --> 00:02:12,560
decades or even for centuries

54
00:02:17,350 --> 00:02:14,319
and the round off the show

55
00:02:19,510 --> 00:02:17,360
another poem by our late great mate jim

56
00:02:20,390 --> 00:02:19,520
wilshere and this week's poem is all

57
00:02:22,470 --> 00:02:20,400
about

58
00:02:24,790 --> 00:02:22,480
the min min light

59
00:02:27,430 --> 00:02:24,800
and speaking of jim wilshere's poems

60
00:02:30,470 --> 00:02:27,440
i've decided to put on youtube

61
00:02:34,309 --> 00:02:30,480
most of the videos that jim and i shot

62
00:02:37,190 --> 00:02:34,319
some 15 16 years ago for a dvd we made

63
00:02:39,509 --> 00:02:37,200

at the time and i sort of figure well

64

00:02:40,949 --> 00:02:39,519

why not let everybody know around the

65

00:02:43,350 --> 00:02:40,959

world enjoy

66

00:02:44,949 --> 00:02:43,360

jim's poetry and if you go to the

67

00:02:47,030 --> 00:02:44,959

skepticzone.tv

68

00:02:49,270 --> 00:02:47,040

and scroll down this week's show notes

69

00:02:51,910 --> 00:02:49,280

on the right-hand side you'll see a

70

00:02:54,790 --> 00:02:51,920

little link a little picture of jim and

71

00:02:57,270 --> 00:02:54,800

a link to all jim's poems so you can see

72

00:02:58,869 --> 00:02:57,280

jim reading out the poems

73

00:03:01,589 --> 00:02:58,879

in person

74

00:03:04,309 --> 00:03:01,599

also i will mention that this thursday

75

00:03:05,910 --> 00:03:04,319

night here in sydney and sydney skeptics

76

00:03:07,910 --> 00:03:05,920

and the pub our special guest is none

77

00:03:10,710 --> 00:03:07,920

other than skeptic zone reporter adrian

78

00:03:13,910 --> 00:03:10,720

hill who's going to be talking about

79

00:03:16,949 --> 00:03:13,920

ghosts for more information check aust

80

00:03:19,110 --> 00:03:16,959

aust skeptics meetup

81

00:03:21,750 --> 00:03:19,120

and no matter where you are around the

82

00:03:24,470 --> 00:03:21,760

world you can join in and hear

83

00:03:26,710 --> 00:03:24,480

adrian hill talk about ghosts

84

00:03:29,110 --> 00:03:26,720

and speaking of skeptics in the pub the

85

00:03:31,190 --> 00:03:29,120

gold coast skeptics now friends of the

86

00:03:32,789 --> 00:03:31,200

gold coast skeptics are also having a

87

00:03:34,070 --> 00:03:32,799

skeptics in the pub

88

00:03:36,630 --> 00:03:34,080

and this will be

89

00:03:39,670 --> 00:03:36,640

tuesday this will be tuesday this week

90

00:03:42,550 --> 00:03:39,680

tuesday the 23rd of august

91

00:03:44,309 --> 00:03:42,560

from 7 30 p.m to 9 00 pm

92

00:03:48,070 --> 00:03:44,319

and their guest will be associate

93

00:03:51,110 --> 00:03:48,080

professor tim nelson griffith university

94

00:03:53,750 --> 00:03:51,120

talking about how we can create a just

95

00:03:55,110 --> 00:03:53,760

transition to renewable energy in

96

00:03:57,110 --> 00:03:55,120

australia

97

00:04:01,190 --> 00:03:57,120

find out more by visiting

98

00:04:04,630 --> 00:04:03,030

now just thinking about yesterday as

99

00:04:06,390 --> 00:04:04,640

you'll hear me night interviews lots of

100

00:04:07,910 --> 00:04:06,400

people who were there

101

00:04:10,149 --> 00:04:07,920

isn't science wonderful isn't it

102

00:04:12,949 --> 00:04:10,159

incredibly interesting we can learn

103

00:04:14,670 --> 00:04:12,959

about space place interconnections

104

00:04:17,430 --> 00:04:14,680

change environment

105

00:04:18,629 --> 00:04:17,440

sustainability scale

106

00:04:19,909 --> 00:04:18,639

i think it's time for me to run

107

00:04:23,430 --> 00:04:19,919

downstairs

108

00:04:25,430 --> 00:04:23,440

and have some nice yummy spices which i

109

00:04:27,110 --> 00:04:25,440

love while i do that and think about

110

00:04:27,940 --> 00:04:27,120

science i hope you enjoy

111

00:04:43,909 --> 00:04:27,950

the skeptic zone

112

00:04:54,150 --> 00:04:47,990

here's maynard's spooky action

113

00:04:59,189 --> 00:04:56,070

well it's science week and today is in

114

00:05:01,749 --> 00:04:59,199

fact science day for the big crew of the

115

00:05:03,670 --> 00:05:01,759

skeptic zone we are traveling to

116

00:05:05,749 --> 00:05:03,680

parramatta parramatta which is there

117

00:05:07,990 --> 00:05:05,759

it's not moving it's not a moving target

118

00:05:10,550 --> 00:05:08,000

we feel we can make it to parramatta and

119

00:05:12,390 --> 00:05:10,560

there's going to be children okay but

120

00:05:14,629 --> 00:05:12,400

there is an upside to the day in that

121

00:05:16,629 --> 00:05:14,639

there will be a family day but wait

122

00:05:17,909 --> 00:05:16,639

there still is an upside to the day in

123

00:05:19,590 --> 00:05:17,919

that there'll be lots of mucking around

124

00:05:22,950 --> 00:05:19,600

with science for making a mess and i may

125

00:05:25,029 --> 00:05:22,960

even meet paul mccartney as part of the

126

00:05:26,230 --> 00:05:25,039

gluten-free plant-based band that's

127

00:05:27,909 --> 00:05:26,240

playing there today i'm looking forward

128

00:05:30,469 --> 00:05:27,919

to introducing them but the man who's

129

00:05:33,350 --> 00:05:30,479

driving us now in the skeptic zone

130

00:05:35,189 --> 00:05:33,360

mystery mobile richard saunders may not

131

00:05:37,749 --> 00:05:35,199

it's been a while since we've been in

132

00:05:39,430 --> 00:05:37,759

the skeptic zone mystery mobile it's

133

00:05:41,830 --> 00:05:39,440

today it's sort of the mystery

134

00:05:43,749 --> 00:05:41,840

investigators mystery uh

135

00:05:44,950 --> 00:05:43,759

mobile because we're going to be with

136

00:05:46,070 --> 00:05:44,960

our friend ian bryce we're going to be

137

00:05:48,469 --> 00:05:46,080

performing

138

00:05:50,150 --> 00:05:48,479

uh water divining tests and we're going

139

00:05:52,550 --> 00:05:50,160

to be performing hang on a second where

140

00:05:53,909 --> 00:05:52,560

am i look you oh oh look that's right

141

00:05:55,830 --> 00:05:53,919

this is the uh this is where they've

142

00:05:58,230 --> 00:05:55,840

redeveloped an area we're driving

143

00:06:00,790 --> 00:05:58,240

through here one of those roads

144

00:06:02,710 --> 00:06:00,800

roads new south wales um uh you want to

145

00:06:03,990 --> 00:06:02,720

get balmain don't you yeah hang on we'll

146

00:06:05,990 --> 00:06:04,000

have to look we're just going to do a

147

00:06:10,309 --> 00:06:06,000

bit of stuff with hawking radiation

148

00:06:13,830 --> 00:06:11,830

okay we finally got it worked out here

149

00:06:16,070 --> 00:06:13,840

um we had to do some quick calculations

150

00:06:17,830 --> 00:06:16,080

regarding the hawking radiation in the

151

00:06:19,029 --> 00:06:17,840

bowel main interchange and it is a bit

152

00:06:21,270 --> 00:06:19,039

of a mess here it does look a bit like a

153

00:06:23,830 --> 00:06:21,280

black hole it it it is a black hole it's

154

00:06:26,070 --> 00:06:23,840

com it's completely re-changed that

155

00:06:27,350 --> 00:06:26,080

changed the construction work anyway

156

00:06:29,350 --> 00:06:27,360

as i was saying we're going to be doing

157

00:06:31,029 --> 00:06:29,360

all sorts of science fun and games with

158

00:06:33,510 --> 00:06:31,039

the public today at parramatta the

159

00:06:35,350 --> 00:06:33,520

parramatta council having a science day

160

00:06:37,990 --> 00:06:35,360

and we've been booked to perform so i've

161

00:06:39,990 --> 00:06:38,000

got lots of spoons to bend as i said

162

00:06:42,150 --> 00:06:40,000

before we'll be doing uh water divining

163

00:06:45,430 --> 00:06:42,160

test optical illusions

164

00:06:49,029 --> 00:06:45,440

and lots of science goodies including uh

165

00:06:51,029 --> 00:06:49,039

the power balance test oh yeah now

166

00:06:52,710 --> 00:06:51,039

what's that called it's a field with

167

00:06:55,029 --> 00:06:52,720

where you you push arms down that but

168

00:06:58,950 --> 00:06:55,039

it's actually got a name oh it's called

169

00:07:01,110 --> 00:06:58,960

applied kinesiology applied kinesiology

170

00:07:02,790 --> 00:07:01,120

and it's it's a bit of a shonky thing so

171

00:07:05,110 --> 00:07:02,800

we'll be teaching people the tricks

172

00:07:07,189 --> 00:07:05,120

behind it and how not to get fooled

173

00:07:10,469 --> 00:07:07,199

and we'll also be discovering and asking

174

00:07:12,870 --> 00:07:10,479

the question what what is science to you

175

00:07:14,309 --> 00:07:12,880

what do you think science is for me

176

00:07:16,150 --> 00:07:14,319

science is getting up in the morning

177

00:07:17,670 --> 00:07:16,160

turning stuff on and having it work so

178

00:07:20,070 --> 00:07:17,680

it's not a very high bar it has to clear

179

00:07:22,469 --> 00:07:20,080

with me but for some people it's a true

180

00:07:24,710 --> 00:07:22,479

mystery now we're going to pick up in

181

00:07:26,230 --> 00:07:24,720

bryce i believe uh i believe we're

182

00:07:28,469 --> 00:07:26,240

straight to the courthouse hotel where

183

00:07:31,110 --> 00:07:28,479

he's been since nine o'clock last night

184

00:07:34,150 --> 00:07:31,120

um studying studying all right here we

185

00:07:37,670 --> 00:07:36,070

okay

186

00:07:39,270 --> 00:07:37,680

well here we are palmetto square right

187

00:07:41,270 --> 00:07:39,280

now where it all will be happening for

188

00:07:43,350 --> 00:07:41,280

the family science day richard's got his

189

00:07:44,469 --> 00:07:43,360

mystery investigators coat on yes i've

190

00:07:47,189 --> 00:07:44,479

got my

191

00:07:48,710 --> 00:07:47,199

blue as a goose jacket on and your shoes

192

00:07:49,990 --> 00:07:48,720

my goodness they're pretty good hey

193

00:07:51,830 --> 00:07:50,000

they're very good

194

00:07:53,110 --> 00:07:51,840

and and it's just before the day started

195

00:07:54,869 --> 00:07:53,120

so that we've got various science

196

00:07:56,070 --> 00:07:54,879

exhibits setting up here in the square

197

00:07:59,110 --> 00:07:56,080

it looks like it's going to be a nice

198

00:08:01,670 --> 00:07:59,120

day and uh we're going to be roving

199

00:08:02,950 --> 00:08:01,680

entertainers mana doing our water

200

00:08:04,469 --> 00:08:02,960

divining and

201

00:08:11,430 --> 00:08:04,479

and

202

00:08:12,950 --> 00:08:11,440

sets today i'm introducing them as well

203

00:08:15,510 --> 00:08:12,960

as some street signs we're just going to

204

00:08:16,869 --> 00:08:15,520

go on stage and some dancing as well

205

00:08:19,430 --> 00:08:16,879

that's going to be happening on stage

206

00:08:21,990 --> 00:08:19,440

and also lost children lost children

207

00:08:23,670 --> 00:08:22,000

lost children um i i was lost in the

208

00:08:25,510 --> 00:08:23,680

newcastle west shopping centre sometime

209

00:08:27,029 --> 00:08:25,520

during the 70s and that was the end of

210

00:08:28,710 --> 00:08:27,039

me really but i won't tell them that

211

00:08:30,710 --> 00:08:28,720

story and over here we've got the

212

00:08:32,469 --> 00:08:30,720

physics education that's physics with an

213

00:08:34,630 --> 00:08:32,479

f which means it's fun and who we got

214

00:08:36,389 --> 00:08:34,640

here may not hear from the uh skeptic

215

00:08:38,389 --> 00:08:36,399

zone podcast hey man how you doing mate

216

00:08:39,990 --> 00:08:38,399

this is ben hey what are you up to today

217

00:08:41,990 --> 00:08:40,000

you're all set up here what are you

218

00:08:43,829 --> 00:08:42,000

hoping to teach kids oh hang on what i'm

219

00:08:45,990 --> 00:08:43,839

asking about is what does science mean

220

00:08:47,590 --> 00:08:46,000

to you by the way today it's a personal

221

00:08:49,509 --> 00:08:47,600

thing sure it's exploring the world and

222

00:08:50,870 --> 00:08:49,519

seeing how it works okay have you got a

223

00:08:52,949 --> 00:08:50,880

favorite branch of science you like i

224

00:08:54,870 --> 00:08:52,959

guess it's physics

225

00:08:56,150 --> 00:08:54,880

how could you tell i'm just taking a

226

00:08:57,829 --> 00:08:56,160

guess but there's lots of branches that

227

00:08:59,590 --> 00:08:57,839

there's quantum physics in which people

228

00:09:01,030 --> 00:08:59,600

come from america and stand on stage and

229

00:09:02,710 --> 00:09:01,040

say stuff i have no idea what they're on

230

00:09:04,550 --> 00:09:02,720

about that was green what's his name

231

00:09:06,310 --> 00:09:04,560

that green when he came out here but

232

00:09:07,670 --> 00:09:06,320

there's actually physics there's newton

233

00:09:09,269 --> 00:09:07,680

where you go bang bang things move

234

00:09:11,110 --> 00:09:09,279

around and heat yeah and a lot of this

235

00:09:12,230 --> 00:09:11,120

is actually newtonian uh we're having

236

00:09:13,269 --> 00:09:12,240

kids play with science toys they're

237

00:09:14,710 --> 00:09:13,279

gonna have a bit of a blast so it's

238

00:09:15,750 --> 00:09:14,720

really here for all different ages and

239

00:09:18,070 --> 00:09:15,760

i'm gonna hang out and do some liquid

240

00:09:19,990 --> 00:09:18,080

nitrogen experiments too get out and the

241

00:09:21,990 --> 00:09:20,000

kids and how but that's that's scary

242

00:09:24,230 --> 00:09:22,000

stuff it is it's cold but you know what

243

00:09:25,829 --> 00:09:24,240

your tea or your hot coffee is actually

244

00:09:27,430 --> 00:09:25,839

more dangerous because it'll touch you

245

00:09:29,190 --> 00:09:27,440

and it'll burn you liquid nitrogen will

246

00:09:31,269 --> 00:09:29,200

boil over the top of you and it will

247

00:09:32,470 --> 00:09:31,279

barely touch you ah right it's only if

248

00:09:33,910 --> 00:09:32,480

you put your hand on it for a while and

249

00:09:36,389 --> 00:09:33,920

your skin sticks to it yeah then you

250

00:09:38,389 --> 00:09:36,399

learn about cold yeah very quickly there

251

00:09:39,829 --> 00:09:38,399

and uh here hello

252

00:09:41,750 --> 00:09:39,839

hello and what's your favor i guess

253

00:09:43,430 --> 00:09:41,760

you're a physics fan too i definitely am

254

00:09:46,949 --> 00:09:43,440

but my favorite branch in science is

255

00:09:49,110 --> 00:09:46,959

neuroscience brains oh wow favorite type

256

00:09:50,790 --> 00:09:49,120

no i think that brains are so different

257

00:09:52,070 --> 00:09:50,800

compared to hearts i mean i could also

258

00:09:53,829 --> 00:09:52,080

be wrong but i think there's more

259

00:09:55,990 --> 00:09:53,839

difference between brains between people

260

00:09:57,670 --> 00:09:56,000

so i reckon neurosurgeons are the ones

261

00:09:58,870 --> 00:09:57,680

who might rule the hospital but what's

262

00:10:00,310 --> 00:09:58,880

going to be your favorite thing you're

263

00:10:02,310 --> 00:10:00,320

going to play with the kids today i

264

00:10:04,470 --> 00:10:02,320

think it's going to be the balancing

265

00:10:06,230 --> 00:10:04,480

birds i think kids always love the

266

00:10:08,389 --> 00:10:06,240

balancing birds and you can get them to

267

00:10:10,389 --> 00:10:08,399

rest it on their nose and they love it

268

00:10:11,990 --> 00:10:10,399

and i love doing all my finger and just

269

00:10:13,750 --> 00:10:12,000

showing them all the things you can

270

00:10:15,350 --> 00:10:13,760

balance the beds on so i think i'm super

271

00:10:17,269 --> 00:10:15,360

excited for that one what is science to

272

00:10:19,829 --> 00:10:17,279

you too by the way i didn't science to

273

00:10:21,590 --> 00:10:19,839

me is being curious and also not being

274

00:10:23,110 --> 00:10:21,600

afraid of failure i think that growing

275

00:10:25,350 --> 00:10:23,120

up i just was always so curious about

276

00:10:27,030 --> 00:10:25,360

everything so it's just a safe place for

277

00:10:29,670 --> 00:10:27,040

everybody like everyone anybody could do

278

00:10:31,190 --> 00:10:29,680

science and um failure isn't something

279

00:10:32,949 --> 00:10:31,200

that's looked down upon in science

280

00:10:35,509 --> 00:10:32,959

because it's a way to move forward so

281

00:10:37,430 --> 00:10:35,519

it's exciting thank you thank you

282

00:10:39,509 --> 00:10:37,440

look as i'm hosting here i see there's a

283

00:10:41,350 --> 00:10:39,519

very large what i first thought was

284

00:10:43,590 --> 00:10:41,360

a solar canoe but i thought no it's

285

00:10:45,269 --> 00:10:43,600

actually a a solar powered car which has

286

00:10:47,350 --> 00:10:45,279

been in some sort of contest by the look

287

00:10:48,710 --> 00:10:47,360

of it who've we got here yeah so i'm

288

00:10:50,870 --> 00:10:48,720

jonathan i'm from the western sydney

289

00:10:53,670 --> 00:10:50,880

solar team and so here we have unlimited

290

00:10:55,590 --> 00:10:53,680

3.0 the car we built here for 2019 for

291

00:10:56,310 --> 00:10:55,600

the world solar challenge and how'd you

292

00:10:58,069 --> 00:10:56,320

go

293

00:10:59,670 --> 00:10:58,079

uh this car unfortunately didn't finish

294

00:11:00,389 --> 00:10:59,680

like many on that race because of wild

295

00:11:02,150 --> 00:11:00,399

weather

296

00:11:03,829 --> 00:11:02,160

all right so it was flooded out or what

297

00:11:07,030 --> 00:11:03,839

happened 100 kilometer an hour

298

00:11:08,470 --> 00:11:07,040

crosswinds right okay yes

299

00:11:09,590 --> 00:11:08,480

first thing i noticed is i was listening

300

00:11:11,910 --> 00:11:09,600

about um

301
00:11:13,990 --> 00:11:11,920
photo electric cells on regular cars and

302
00:11:15,829 --> 00:11:14,000
they were putting them onto a volkswagen

303
00:11:17,430 --> 00:11:15,839
golf which hasn't got a completely flat

304
00:11:19,430 --> 00:11:17,440
roof which is kind of what you've had

305
00:11:21,030 --> 00:11:19,440
and they lost about 30 efficiency

306
00:11:22,710 --> 00:11:21,040
initially by doing that is that part of

307
00:11:24,470 --> 00:11:22,720
the problem in that a curved roof can be

308
00:11:25,990 --> 00:11:24,480
a problem for solar cells

309
00:11:27,269 --> 00:11:26,000
yeah well if you're curving away from

310
00:11:29,110 --> 00:11:27,279
where the sun's pointing obviously

311
00:11:31,350 --> 00:11:29,120
you're going to get less power but we

312
00:11:32,710 --> 00:11:31,360
specifically design ours to maximize the

313
00:11:35,110 --> 00:11:32,720

sun throughout the day

314

00:11:36,470 --> 00:11:35,120

oh okay what what by the by where you

315

00:11:38,870 --> 00:11:36,480

drive or by the way the cells are

316

00:11:40,949 --> 00:11:38,880

designed oh just the shape of the car we

317

00:11:43,509 --> 00:11:40,959

aim to have as flat of a surface as we

318

00:11:46,150 --> 00:11:43,519

can wow so did anyone actually finish it

319

00:11:48,790 --> 00:11:46,160

with a 100 kilometers crosswinds

320

00:11:50,150 --> 00:11:48,800

who won it uh the belgian team agoria

321

00:11:52,230 --> 00:11:50,160

won that event well you don't get many

322

00:11:53,430 --> 00:11:52,240

hundred kilometer winds in belgium well

323

00:11:55,590 --> 00:11:53,440

not in belgium but this is through the

324

00:11:56,790 --> 00:11:55,600

middle of australia where you do tend to

325

00:11:58,949 --> 00:11:56,800

they wouldn't have thought of that i

326

00:12:00,629 --> 00:11:58,959

would have thought you know yeah yeah so

327

00:12:02,470 --> 00:12:00,639

there were quite a few teams that had

328

00:12:04,470 --> 00:12:02,480

unfortunate accidents with the win a

329

00:12:06,230 --> 00:12:04,480

couple teams caught fire so all in all

330

00:12:07,750 --> 00:12:06,240

we didn't do too bad yes well i think

331

00:12:09,269 --> 00:12:07,760

fire would be kind of worse than getting

332

00:12:10,790 --> 00:12:09,279

blown off the road there look

333

00:12:12,389 --> 00:12:10,800

congratulations and when will the new

334

00:12:13,910 --> 00:12:12,399

one be on the road the new prototype

335

00:12:16,870 --> 00:12:13,920

you're working on well the next event is

336

00:12:18,470 --> 00:12:16,880

in october 2023 so hopefully somewhat

337

00:12:20,069 --> 00:12:18,480

before then i hope you don't get the

338

00:12:22,389 --> 00:12:20,079

crosswinds or the wind is in the right

339

00:12:24,470 --> 00:12:22,399

direction yeah we'll hope for the best

340

00:12:26,150 --> 00:12:24,480

thank you very much look i'm here with

341

00:12:29,350 --> 00:12:26,160

the people from street signs who are all

342

00:12:31,030 --> 00:12:29,360

the way from uh sciencey bris vegas

343

00:12:32,790 --> 00:12:31,040

yeah mate we're uh we jumped on plane

344

00:12:34,470 --> 00:12:32,800

yesterday headed down to sydney science

345

00:12:36,470 --> 00:12:34,480

festival that's pretty exciting there's

346

00:12:38,069 --> 00:12:36,480

a band on the stage at the moment the

347

00:12:40,069 --> 00:12:38,079

vegetable plot they are warming up a

348

00:12:42,470 --> 00:12:40,079

storm they definitely are mate there's

349

00:12:44,150 --> 00:12:42,480

kids dancing there's parents bopping

350

00:12:45,509 --> 00:12:44,160

there's all sorts cheering mates so

351
00:12:47,190 --> 00:12:45,519
we're up next so really looking forward

352
00:12:48,310 --> 00:12:47,200
to 11 o'clock for sure yeah right now

353
00:12:49,350 --> 00:12:48,320
you're gonna get kids on stage what are

354
00:12:50,550 --> 00:12:49,360
you gonna make them do on stage you're

355
00:12:52,069 --> 00:12:50,560
gonna embarrass them so that's a

356
00:12:54,710 --> 00:12:52,079
lifelong experience they'll remember in

357
00:12:56,470 --> 00:12:54,720
a kind of a goodish way oh we might we

358
00:12:57,910 --> 00:12:56,480
might there's some embarrassing parts

359
00:13:00,069 --> 00:12:57,920
but hey they'll leave that stage with a

360
00:13:01,509 --> 00:13:00,079
huge smile on their face so that's what

361
00:13:04,150 --> 00:13:01,519
we're all about i've been asking

362
00:13:06,150 --> 00:13:04,160
everybody what does science mean to you

363
00:13:07,990 --> 00:13:06,160

yes it's science week yeah it's a good

364

00:13:09,190 --> 00:13:08,000

question science to me i reckon uh

365

00:13:10,870 --> 00:13:09,200

science is really important because when

366

00:13:12,710 --> 00:13:10,880

we learn science we learn about the

367

00:13:14,550 --> 00:13:12,720

world we learn about how stuff works and

368

00:13:16,310 --> 00:13:14,560

why things happen so it's one of those

369

00:13:17,750 --> 00:13:16,320

things that you know every single person

370

00:13:19,670 --> 00:13:17,760

can relate to whether they're five years

371

00:13:21,030 --> 00:13:19,680

old or 85 years old we want to be

372

00:13:22,310 --> 00:13:21,040

learning about the world around us all

373

00:13:24,230 --> 00:13:22,320

the time so science is pretty bloody

374

00:13:26,230 --> 00:13:24,240

important right what science mean i mean

375

00:13:27,990 --> 00:13:26,240

do you i guess with what you do you'd be

376

00:13:29,110 --> 00:13:28,000

a physics person because it's all bangs

377

00:13:31,190 --> 00:13:29,120

flashy

378

00:13:33,750 --> 00:13:31,200

well i'm actually a biologist by trade

379

00:13:36,150 --> 00:13:33,760

but i'm one of those yes but hey what's

380

00:13:39,189 --> 00:13:36,160

biology done for us lately biology for

381

00:13:40,710 --> 00:13:39,199

us lately well what hasn't it done

382

00:13:42,150 --> 00:13:40,720

it's an ongoing thing it's probably the

383

00:13:44,069 --> 00:13:42,160

thing that people tend to overlook

384

00:13:46,629 --> 00:13:44,079

because it can be less glamorous unless

385

00:13:48,629 --> 00:13:46,639

it's all pharmacy or you're

386

00:13:50,150 --> 00:13:48,639

solving a plague or something yeah no

387

00:13:52,710 --> 00:13:50,160

that is very true but i mean i think

388

00:13:54,949 --> 00:13:52,720

biology has its part in chemistry as

389

00:13:56,629 --> 00:13:54,959

well so i mean it goes through all of

390

00:13:58,310 --> 00:13:56,639

the different physics you fall down in

391

00:14:00,550 --> 00:13:58,320

physics there's biology involved there

392

00:14:02,310 --> 00:14:00,560

no for sure for sure yeah but um with

393

00:14:04,150 --> 00:14:02,320

street science we all get to do a bit of

394

00:14:05,829 --> 00:14:04,160

chemistry and physics as well so you

395

00:14:07,829 --> 00:14:05,839

know we get the best of all the worlds

396

00:14:10,310 --> 00:14:07,839

of science so yeah and what does science

397

00:14:12,389 --> 00:14:10,320

mean to you your big biology venue well

398

00:14:14,230 --> 00:14:12,399

science to me i mean like steve said

399

00:14:16,550 --> 00:14:14,240

science is all around us but science is

400

00:14:18,230 --> 00:14:16,560

also the answer to a lot of our problems

401
00:14:19,910 --> 00:14:18,240
that we have you know if there's an

402
00:14:21,829 --> 00:14:19,920
issue in the world then we're looking to

403
00:14:23,350 --> 00:14:21,839
science to try and fix that

404
00:14:24,949 --> 00:14:23,360
well a lot of people be asking why after

405
00:14:29,110 --> 00:14:24,959
you make a mess on stage so good luck

406
00:14:31,990 --> 00:14:30,790
well i'm here oh as you can hear the

407
00:14:33,750 --> 00:14:32,000
kids are going absolutely nuts in the

408
00:14:35,269 --> 00:14:33,760
background for street science that is on

409
00:14:37,750 --> 00:14:35,279
stage but just to the side of street

410
00:14:39,670 --> 00:14:37,760
science uh richard saunders has a a

411
00:14:41,350 --> 00:14:39,680
whole bunch of containers some water but

412
00:14:43,509 --> 00:14:41,360
he does have a damn good sign there

413
00:14:45,030 --> 00:14:43,519

richard mr investigators we've done

414

00:14:46,470 --> 00:14:45,040

about

415

00:14:48,310 --> 00:14:46,480

five

416

00:14:50,550 --> 00:14:48,320

about what's going on over there about

417

00:14:52,550 --> 00:14:50,560

five shows so far and and it's only just

418

00:14:53,910 --> 00:14:52,560

um over an hour

419

00:14:55,350 --> 00:14:53,920

we're going to do a couple more than

420

00:14:57,030 --> 00:14:55,360

have a little break but we've had lots

421

00:14:58,629 --> 00:14:57,040

of people bending spoons and water

422

00:15:00,710 --> 00:14:58,639

divining and i'm looking at these

423

00:15:02,870 --> 00:15:00,720

optical illusions over there

424

00:15:04,310 --> 00:15:02,880

because as i know the kids ask the

425

00:15:06,629 --> 00:15:04,320

darnest questions although they don't

426

00:15:08,389 --> 00:15:06,639

usually say darnists but while anybody

427

00:15:10,629 --> 00:15:08,399

any wacky questions come your way yet

428

00:15:12,389 --> 00:15:10,639

why are you that mr give me yeah yeah

429

00:15:14,870 --> 00:15:12,399

the the question i'm getting a lot today

430

00:15:16,710 --> 00:15:14,880

is how did you bend the spoon

431

00:15:19,509 --> 00:15:16,720

yeah everyone wants to know

432

00:15:21,030 --> 00:15:19,519

and it's like it's like no one wants to

433

00:15:22,389 --> 00:15:21,040

be happy with the magic trick anymore

434

00:15:23,910 --> 00:15:22,399

everyone's got to know how it's done or

435

00:15:25,509 --> 00:15:23,920

else it's

436

00:15:27,110 --> 00:15:25,519

yeah but now we're having a great day

437

00:15:29,509 --> 00:15:27,120

and and we've got a little many more

438

00:15:32,230 --> 00:15:29,519

shows to do

439

00:15:35,110 --> 00:15:32,240

and we're backed up by the freshest

440

00:15:37,170 --> 00:15:35,120

filthiest rozzy ass band in town

441

00:15:44,949 --> 00:15:37,180

everybody

442

00:15:46,710 --> 00:15:44,959

[Music]

443

00:15:48,150 --> 00:15:46,720

well i'm here in the well i like to call

444

00:15:49,670 --> 00:15:48,160

it the bush science tent we've got the

445

00:15:51,269 --> 00:15:49,680

bat science tents on the other side

446

00:15:52,629 --> 00:15:51,279

we've got the bush science tent here

447

00:15:55,670 --> 00:15:52,639

who've we got here

448

00:15:58,389 --> 00:15:55,680

hi i'm lisa kolaris hello lisa and did

449

00:16:00,949 --> 00:15:58,399

you get a degree in bush science uh my

450

00:16:02,389 --> 00:16:00,959

degree's in environmental science ah

451
00:16:04,230 --> 00:16:02,399
well you know you know all about what's

452
00:16:06,389 --> 00:16:04,240
going on in the parramatta area what's

453
00:16:07,670 --> 00:16:06,399
the biggest uh problem we have with

454
00:16:10,230 --> 00:16:07,680
any sort of

455
00:16:12,470 --> 00:16:10,240
introduced species uh both um both

456
00:16:14,550 --> 00:16:12,480
living and plants

457
00:16:17,590 --> 00:16:14,560
um i would say that probably people

458
00:16:20,629 --> 00:16:17,600
dumping their uh bush sorry their garden

459
00:16:21,910 --> 00:16:20,639
waste into our native areas is probably

460
00:16:22,790 --> 00:16:21,920
definitely an issue that we need to

461
00:16:24,150 --> 00:16:22,800
address

462
00:16:25,430 --> 00:16:24,160
and it's kind of hard to stop unless you

463
00:16:27,509 --> 00:16:25,440

put up a lot of cameras in that and

464

00:16:29,030 --> 00:16:27,519

you've got such a large area to cover uh

465

00:16:31,590 --> 00:16:29,040

what sort of thing would be the most

466

00:16:35,030 --> 00:16:31,600

dangerous or toxic thing they could dump

467

00:16:37,590 --> 00:16:35,040

oh well we get lots of um non-plant

468

00:16:39,030 --> 00:16:37,600

materials such as asbestos investors

469

00:16:40,310 --> 00:16:39,040

it's a bad one

470

00:16:41,590 --> 00:16:40,320

but yeah probably the lawnmower

471

00:16:43,269 --> 00:16:41,600

clippings and the

472

00:16:45,749 --> 00:16:43,279

cut garden waste that people have from

473

00:16:47,829 --> 00:16:45,759

their gardens lots of introduced species

474

00:16:49,430 --> 00:16:47,839

get into our bushlands that way all

475

00:16:51,030 --> 00:16:49,440

right and i've been asking people what

476

00:16:53,509 --> 00:16:51,040

what is what is science to them what the

477

00:16:55,670 --> 00:16:53,519

science what is science for you being

478

00:16:58,069 --> 00:16:55,680

you know an ecologist

479

00:17:00,710 --> 00:16:58,079

uh science for me helps me look at the

480

00:17:02,790 --> 00:17:00,720

world with fresh eyes um everything you

481

00:17:04,870 --> 00:17:02,800

learn it helps you look at the world in

482

00:17:06,949 --> 00:17:04,880

a different way and helps you understand

483

00:17:08,150 --> 00:17:06,959

what's happening around you

484

00:17:10,069 --> 00:17:08,160

and if people want to see what you guys

485

00:17:12,309 --> 00:17:10,079

are up to online with parramatta bush

486

00:17:14,949 --> 00:17:12,319

care where can they go to have a look

487

00:17:16,630 --> 00:17:14,959

jump on our website the google bushcare

488

00:17:18,309 --> 00:17:16,640

on the council website and you'll find

489

00:17:22,430 --> 00:17:18,319

out all the information there and you

490

00:17:22,440 --> 00:17:26,309

[Music]

491

00:17:30,470 --> 00:17:28,870

it's the end of a wild day for science

492

00:17:32,630 --> 00:17:30,480

here at parramatta square where it's

493

00:17:35,510 --> 00:17:32,640

been the family science day richard

494

00:17:38,549 --> 00:17:35,520

saunders been out there at the coal face

495

00:17:40,950 --> 00:17:38,559

of science uh poking people uh with

496

00:17:43,590 --> 00:17:40,960

investigation i think i need to buy some

497

00:17:46,390 --> 00:17:43,600

more spoons well yeah how many spoons

498

00:17:48,150 --> 00:17:46,400

you you did spoon bending aplenty today

499

00:17:49,990 --> 00:17:48,160

i can't believe how many spoons we've

500

00:17:51,590 --> 00:17:50,000

been today it was ridiculous but we had

501
00:17:55,990 --> 00:17:51,600
about

502
00:17:59,029 --> 00:17:56,000
row something like that over the course

503
00:18:00,630 --> 00:17:59,039
of the day 10. i think eight nine no no

504
00:18:02,310 --> 00:18:00,640
you know you did more you did at least

505
00:18:04,230 --> 00:18:02,320
ten that i was at least ten all right

506
00:18:05,909 --> 00:18:04,240
thank you we'll compromise

507
00:18:07,750 --> 00:18:05,919
one kid

508
00:18:09,990 --> 00:18:07,760
who demanded

509
00:18:11,430 --> 00:18:10,000
he get the spoon off me the

510
00:18:12,470 --> 00:18:11,440
brick and end of the spoon and he had a

511
00:18:14,230 --> 00:18:12,480
look at that and asked me what his

512
00:18:16,710 --> 00:18:14,240
composition was and

513
00:18:18,870 --> 00:18:16,720

did it have actinium in it or something

514

00:18:21,990 --> 00:18:18,880

and i said it's normal stainless steel

515

00:18:23,110 --> 00:18:22,000

it's got iron and nickel and uh chromium

516

00:18:25,270 --> 00:18:23,120

in it

517

00:18:27,350 --> 00:18:25,280

and he said he looked at the

518

00:18:31,190 --> 00:18:27,360

the broken part he said i have the other

519

00:18:35,110 --> 00:18:33,029

so i think we have a budding scientist

520

00:18:37,110 --> 00:18:35,120

or skeptic there so that was my favorite

521

00:18:38,870 --> 00:18:37,120

that was fun yes i think what do they

522

00:18:40,230 --> 00:18:38,880

call the the natural sciences or what do

523

00:18:41,830 --> 00:18:40,240

they call it when you build from the

524

00:18:43,110 --> 00:18:41,840

earth yeah get that stuff you've got to

525

00:18:44,470 --> 00:18:43,120

budding one of them i can't remember a

526

00:18:46,870 --> 00:18:44,480

thing i've been yelling all day over

527

00:19:01,190 --> 00:18:46,880

drums me too it's been very loud today

528

00:19:01,200 --> 00:19:04,470

[Music]

529

00:19:10,789 --> 00:19:07,190

hi there i'm abhijeet and i host the

530

00:19:12,789 --> 00:19:10,799

rashtrabal podcast on berationable.com

531

00:19:14,789 --> 00:19:12,799

every couple of weeks i science the hell

532

00:19:17,830 --> 00:19:14,799

out of alternative medicines health and

533

00:19:21,270 --> 00:19:17,840

nutrition fads social media forwards

534

00:19:23,510 --> 00:19:21,280

science news and lots more of course you

535

00:19:25,669 --> 00:19:23,520

can find all of my articles podcast

536

00:19:29,750 --> 00:19:25,679

episodes and lots more on

537

00:19:37,060 --> 00:19:31,830

see you there and until then

538

00:19:37,070 --> 00:19:49,350

[Music]

539

00:19:52,950 --> 00:19:50,789

now here's an item i wrote for the

540

00:19:57,190 --> 00:19:52,960

latest issue of the skeptic magazine

541

00:19:59,190 --> 00:19:57,200

which came out in june this year

542

00:20:01,430 --> 00:19:59,200

20 years

543

00:20:04,070 --> 00:20:01,440

of predictable surprises richard

544

00:20:05,669 --> 00:20:04,080

saunders reports on the ongoing festival

545

00:20:09,430 --> 00:20:05,679

of psychics

546

00:20:11,190 --> 00:20:09,440

and pseudoscience and yes oh yes this

547

00:20:12,390 --> 00:20:11,200

refers to one of my favorite topics of

548

00:20:14,789 --> 00:20:12,400

course

549

00:20:19,460 --> 00:20:14,799

mind body spirit or mind body wallet as

550

00:20:25,669 --> 00:20:22,549

[Music]

551
00:20:27,909 --> 00:20:25,679
in late may of 2022 longtime skeptical

552
00:20:30,870 --> 00:20:27,919
supporter darryl cahoon and i

553
00:20:33,270 --> 00:20:30,880
ventured once more unto the breach

554
00:20:35,110 --> 00:20:33,280
that is the festival of mind-body spirit

555
00:20:38,390 --> 00:20:35,120
at sydney's international convention

556
00:20:40,630 --> 00:20:38,400
center at darling harbour

557
00:20:42,470 --> 00:20:40,640
after attending this event normally held

558
00:20:44,950 --> 00:20:42,480
every six months when covert does not

559
00:20:48,230 --> 00:20:44,960
shut it down for the last 20 years what

560
00:20:50,470 --> 00:20:48,240
insights is the sweep of time given me

561
00:20:51,669 --> 00:20:50,480
of this new age event that attracts

562
00:20:52,789 --> 00:20:51,679
thousands

563
00:20:54,710 --> 00:20:52,799

to list

564

00:20:57,990 --> 00:20:54,720

but a few

565

00:21:00,549 --> 00:20:58,000

point consistently about eighty percent

566

00:21:03,510 --> 00:21:00,559

of those attending a female i make no

567

00:21:05,430 --> 00:21:03,520

comment about this apart from it being

568

00:21:08,149 --> 00:21:05,440

an observable fact

569

00:21:11,029 --> 00:21:08,159

point about 10 of the stalls and stands

570

00:21:13,190 --> 00:21:11,039

are for legitimate products and services

571

00:21:16,149 --> 00:21:13,200

for example various charities food

572

00:21:18,390 --> 00:21:16,159

merchants support groups this year there

573

00:21:21,669 --> 00:21:18,400

was one for breast cancer survivors

574

00:21:24,470 --> 00:21:21,679

jewellery bathing products and so on

575

00:21:26,630 --> 00:21:24,480

point the psychic reading room has been

576

00:21:30,710 --> 00:21:26,640

a consistent feature

577

00:21:34,630 --> 00:21:30,720

this year a 30 minute reading with the

578

00:21:35,830 --> 00:21:34,640

psychic of your choice cost around 55

579

00:21:39,430 --> 00:21:35,840

point

580

00:21:43,029 --> 00:21:39,440

what we could call unproven services or

581

00:21:45,029 --> 00:21:43,039

devices come and go over the years this

582

00:21:45,990 --> 00:21:45,039

includes various machines that claim to

583

00:21:46,870 --> 00:21:46,000

heal

584

00:21:49,590 --> 00:21:46,880

with

585

00:21:51,510 --> 00:21:49,600

energy or frequencies

586

00:21:53,909 --> 00:21:51,520

they normally have a

587

00:21:56,310 --> 00:21:53,919

three or four year run then somehow

588

00:21:58,390 --> 00:21:56,320

vanish only to be replaced by yet

589

00:22:01,750 --> 00:21:58,400

another device that claims to do more or

590

00:22:02,870 --> 00:22:01,760

less the same thing

591

00:22:05,270 --> 00:22:02,880

point

592

00:22:06,549 --> 00:22:05,280

the ubiquitous use of the words

593

00:22:07,590 --> 00:22:06,559

quantum

594

00:22:08,750 --> 00:22:07,600

energy

595

00:22:13,270 --> 00:22:08,760

frequencies

596

00:22:14,149 --> 00:22:13,280

vibrations healing and wellness

597

00:22:16,310 --> 00:22:14,159

point

598

00:22:19,510 --> 00:22:16,320

the occasional appearance of such

599

00:22:21,350 --> 00:22:19,520

outfits as the church of scientology the

600

00:22:23,590 --> 00:22:21,360

catholic church and other religions or

601
00:22:26,149 --> 00:22:23,600
cults this year i was surprised to see a

602
00:22:30,470 --> 00:22:26,159
stand from the orange people or the

603
00:22:32,950 --> 00:22:30,480
rajneesh a cult from the 1970s and 80s

604
00:22:35,590 --> 00:22:32,960
point health products and services make

605
00:22:37,830 --> 00:22:35,600
up the majority of stalls whether they

606
00:22:39,510 --> 00:22:37,840
are legitimate unproven or outright

607
00:22:41,909 --> 00:22:39,520
shonky

608
00:22:43,990 --> 00:22:41,919
point health products and services make

609
00:22:46,630 --> 00:22:44,000
up the majority of stalls

610
00:22:49,590 --> 00:22:46,640
whether they are legitimate unproven or

611
00:22:52,870 --> 00:22:49,600
outright chunky

612
00:22:56,470 --> 00:22:52,880
point the aura camera seems to be the

613
00:22:59,909 --> 00:22:56,480

exact same device used for decades that

614

00:23:02,230 --> 00:22:59,919

is a large box device on a stand

615

00:23:05,029 --> 00:23:02,240

by now there can be no doubt that it is

616

00:23:07,430 --> 00:23:05,039

a nonsense and i wonder if the operators

617

00:23:09,430 --> 00:23:07,440

justify its use just as

618

00:23:10,310 --> 00:23:09,440

entertainment

619

00:23:12,230 --> 00:23:10,320

point

620

00:23:14,230 --> 00:23:12,240

the fact that this festival houses so

621

00:23:17,190 --> 00:23:14,240

many stalls with people making so many

622

00:23:19,190 --> 00:23:17,200

outrageous claims regarding health

623

00:23:21,830 --> 00:23:19,200

i have been told everything from this

624

00:23:23,830 --> 00:23:21,840

all that product can cure cancer to a

625

00:23:25,029 --> 00:23:23,840

device that turns tap water into

626
00:23:27,669 --> 00:23:25,039
sunblock

627
00:23:29,430 --> 00:23:27,679
and the event has not yet been raided by

628
00:23:31,750 --> 00:23:29,440
the authorities

629
00:23:32,630 --> 00:23:31,760
continues to amaze me

630
00:23:36,230 --> 00:23:32,640
point

631
00:23:38,710 --> 00:23:36,240
skeptical questions are not welcome any

632
00:23:47,110 --> 00:23:38,720
hint of genuine criticism is met with

633
00:23:52,470 --> 00:23:49,590
one of the notable stalls we discovered

634
00:23:54,870 --> 00:23:52,480
this time around was from the coastal

635
00:23:57,909 --> 00:23:54,880
clarity quantum living

636
00:24:00,870 --> 00:23:57,919
who were selling a device or app

637
00:24:03,110 --> 00:24:00,880
the a o scan

638
00:24:05,110 --> 00:24:03,120

as told to us by the representative

639

00:24:06,230 --> 00:24:05,120

after asking us if we knew about nikola

640

00:24:08,710 --> 00:24:06,240

tesla

641

00:24:11,190 --> 00:24:08,720

and royal raymond rife

642

00:24:13,430 --> 00:24:11,200

the system works as follows

643

00:24:15,909 --> 00:24:13,440

it all works on frequencies

644

00:24:18,310 --> 00:24:15,919

you record your voice for 10 seconds the

645

00:24:20,230 --> 00:24:18,320

device analyzes the voice and picks up

646

00:24:22,230 --> 00:24:20,240

on the four notes

647

00:24:24,710 --> 00:24:22,240

that are most out of balance

648

00:24:25,750 --> 00:24:24,720

and then converts this into four mp3

649

00:24:27,830 --> 00:24:25,760

files

650

00:24:30,230 --> 00:24:27,840

you listen to these via headphones and

651
00:24:31,510 --> 00:24:30,240
this will bring you back into balance

652
00:24:33,990 --> 00:24:31,520
yep

653
00:24:36,149 --> 00:24:34,000
and we've heard the same sort of hogwash

654
00:24:37,590 --> 00:24:36,159
and mind body spirit again and again and

655
00:24:39,590 --> 00:24:37,600
again

656
00:24:41,669 --> 00:24:39,600
what was also apparent and typical of

657
00:24:43,750 --> 00:24:41,679
those fronting this type of stall over

658
00:24:46,070 --> 00:24:43,760
the years is that the representatives

659
00:24:48,070 --> 00:24:46,080
usually know next to nothing about the

660
00:24:50,310 --> 00:24:48,080
device beyond the sales pitch from the

661
00:24:52,549 --> 00:24:50,320
brochure they have a poor grasp on the

662
00:24:54,549 --> 00:24:52,559
meaning of the words they use

663
00:24:56,630 --> 00:24:54,559

frequency being the prime example and

664

00:24:59,510 --> 00:24:56,640

have no real understanding of the

665

00:25:01,590 --> 00:24:59,520

science which is hardly surprising as

666

00:25:05,350 --> 00:25:01,600

most of these devices simply cannot work

667

00:25:07,590 --> 00:25:06,710

[Music]

668

00:25:09,430 --> 00:25:07,600

and

669

00:25:10,630 --> 00:25:09,440

one more observation or maybe a

670

00:25:13,029 --> 00:25:10,640

prediction

671

00:25:15,750 --> 00:25:13,039

mind body spirit will be back in six

672

00:25:17,590 --> 00:25:15,760

months the same dodgy health claims and

673

00:25:19,510 --> 00:25:17,600

products will be on display

674

00:25:20,630 --> 00:25:19,520

thousands will roll up and part with the

675

00:25:23,029 --> 00:25:20,640

money

676

00:25:26,710 --> 00:25:23,039

and the authorities will continue to

677

00:25:29,190 --> 00:25:26,720

turn a blind third eye

678

00:25:31,269 --> 00:25:29,200

for more reports on this event head to

679

00:25:34,710 --> 00:25:31,279

our website and search for mind body

680

00:25:37,029 --> 00:25:34,720

spirit oh mind body wallet audio reports

681

00:25:41,430 --> 00:25:37,039

can also be found in the archives

682

00:25:44,950 --> 00:25:43,350

and that was 20 years of predictable

683

00:25:47,430 --> 00:25:44,960

surprises by

684

00:25:49,430 --> 00:25:47,440

richard saunders and you can read that

685

00:25:52,710 --> 00:25:49,440

for yourself when you subscribe to the

686

00:25:54,950 --> 00:25:52,720

skeptic magazine at skeptics.com.edu

687

00:25:58,549 --> 00:25:54,960

and that story appeared in volume number

688

00:25:59,590 --> 00:25:58,559

42 number two from june

689

00:26:00,610 --> 00:25:59,600

20

690

00:26:11,510 --> 00:26:00,620

22.

691

00:26:15,350 --> 00:26:13,750

hello this is maynard did you know that

692

00:26:18,789 --> 00:26:15,360

you could listen to the skeptic zone on

693

00:26:23,430 --> 00:26:18,799

youtube yes i know sounds crazy but it's

694

00:26:27,909 --> 00:26:25,909

also you can hear 40 logical fallacies

695

00:26:29,350 --> 00:26:27,919

with michelle biggesmar and funny

696

00:26:32,950 --> 00:26:29,360

sketches with richard saunders and a

697

00:26:46,840 --> 00:26:34,710

just click on the youtube links on the

698

00:26:51,430 --> 00:26:50,070

[Music]

699

00:26:53,590 --> 00:26:51,440

and now

700

00:26:56,310 --> 00:26:53,600

a reading from the book of tim

701
00:26:57,460 --> 00:26:56,320

[Music]

702
00:27:04,549 --> 00:26:57,470
with tim mendom

703
00:27:09,350 --> 00:27:06,950
hi my name is tim menden and i'm

704
00:27:12,230 --> 00:27:09,360
executive officer of australian skeptics

705
00:27:14,149 --> 00:27:12,240
and editor of our magazine the skeptic

706
00:27:16,470 --> 00:27:14,159
and i will be reading today from the

707
00:27:17,830 --> 00:27:16,480
pages to that magazine from an issue not

708
00:27:19,110 --> 00:27:17,840
that long ago

709
00:27:20,549 --> 00:27:19,120
september

710
00:27:22,549 --> 00:27:20,559
2020

711
00:27:23,750 --> 00:27:22,559
and this is an article called the little

712
00:27:25,269 --> 00:27:23,760
people

713
00:27:27,110 --> 00:27:25,279

which i wrote myself

714

00:27:30,070 --> 00:27:27,120

this was part of a feature we had on

715

00:27:31,669 --> 00:27:30,080

sovereign citizens and people sort of

716

00:27:33,269 --> 00:27:31,679

generally complaining about government

717

00:27:35,110 --> 00:27:33,279

and that sort of stuff

718

00:27:36,389 --> 00:27:35,120

and this was about micronations the

719

00:27:38,310 --> 00:27:36,399

people who have expressed their

720

00:27:39,410 --> 00:27:38,320

disenchantment with governments by

721

00:27:43,430 --> 00:27:39,420

building their own

722

00:27:45,190 --> 00:27:43,440

[Music]

723

00:27:47,110 --> 00:27:45,200

some people might object to government

724

00:27:48,789 --> 00:27:47,120

regulations and take to the streets to

725

00:27:49,830 --> 00:27:48,799

protest that the rules are not relevant

726
00:27:51,669 --> 00:27:49,840
to them

727
00:27:53,750 --> 00:27:51,679
others take a more drastic action

728
00:27:55,909 --> 00:27:53,760
packing their metaphorical bags and

729
00:27:57,510 --> 00:27:55,919
setting up their own countries

730
00:28:00,310 --> 00:27:57,520
the world is actually dotted with little

731
00:28:02,389 --> 00:28:00,320
countries in quotes that have seceded

732
00:28:05,190 --> 00:28:02,399
from their former parent nation

733
00:28:07,350 --> 00:28:05,200
most of these are basically jokes

734
00:28:09,750 --> 00:28:07,360
an apartment in kings cross sydney or a

735
00:28:11,669 --> 00:28:09,760
caravan in norfolk in the uk

736
00:28:12,950 --> 00:28:11,679
which is possibly the only mobile nation

737
00:28:14,789 --> 00:28:12,960
in existence

738
00:28:17,190 --> 00:28:14,799

others are whimsical wishful thinking

739

00:28:20,470 --> 00:28:17,200

which governments tolerate as amusing

740

00:28:22,549 --> 00:28:20,480

but not very serious diversions

741

00:28:24,710 --> 00:28:22,559

most of them develop a monarchy a

742

00:28:26,149 --> 00:28:24,720

constitution with stamps passports and

743

00:28:28,710 --> 00:28:26,159

visas to match

744

00:28:31,029 --> 00:28:28,720

some welcome tourists though in the case

745

00:28:32,630 --> 00:28:31,039

of the caravan in norfolk you do need to

746

00:28:35,269 --> 00:28:32,640

book ahead to make sure there are plenty

747

00:28:37,430 --> 00:28:35,279

of cucumber sandwiches on hand

748

00:28:39,430 --> 00:28:37,440

most don't last very long once the

749

00:28:41,909 --> 00:28:39,440

reigning monarch gets bored or too old

750

00:28:44,710 --> 00:28:41,919

to to bother they fade quietly into the

751
00:28:46,870 --> 00:28:44,720
list of vanished kingdoms but there are

752
00:28:48,789 --> 00:28:46,880
some who take it very seriously with a

753
00:28:50,389 --> 00:28:48,799
long-standing animosity to the nation

754
00:28:52,310 --> 00:28:50,399
they secede from

755
00:28:53,990 --> 00:28:52,320
these have involved legal battles with

756
00:28:56,630 --> 00:28:54,000
taxation officers

757
00:28:59,510 --> 00:28:56,640
internal disputes and takeovers and in

758
00:29:01,669 --> 00:28:59,520
one case an invasion by mercenaries and

759
00:29:03,110 --> 00:29:01,679
a threat from the royal navy let's start

760
00:29:05,029 --> 00:29:03,120
with the first one

761
00:29:06,950 --> 00:29:05,039
and the motto of this place is from the

762
00:29:09,510 --> 00:29:06,960
sea freedom

763
00:29:11,750 --> 00:29:09,520

and this is sea land which lays claim to

764

00:29:14,230 --> 00:29:11,760

a platform built in the north sea during

765

00:29:15,669 --> 00:29:14,240

the second world war as an anti-aircraft

766

00:29:17,350 --> 00:29:15,679

facility

767

00:29:19,190 --> 00:29:17,360

there were several built looking like

768

00:29:20,470 --> 00:29:19,200

minimal oil dwelling platforms but for

769

00:29:21,990 --> 00:29:20,480

some reason they were built in

770

00:29:23,990 --> 00:29:22,000

international waters

771

00:29:27,269 --> 00:29:24,000

just the place for an illegal pirate

772

00:29:29,669 --> 00:29:27,279

radio station in the 1960s

773

00:29:31,990 --> 00:29:29,679

as sea land says these nations chose

774

00:29:34,070 --> 00:29:32,000

their remote locations whether on ships

775

00:29:36,230 --> 00:29:34,080

or platforms as quote an attempt to

776

00:29:38,470 --> 00:29:36,240

bypass the draconian broadcasting

777

00:29:40,310 --> 00:29:38,480

restrictions of the time which permitted

778

00:29:41,750 --> 00:29:40,320

little more than formal broadcasting by

779

00:29:44,070 --> 00:29:41,760

the bbc

780

00:29:45,990 --> 00:29:44,080

the pirate stations were much loved by

781

00:29:48,310 --> 00:29:46,000

the british public as they supplied

782

00:29:51,830 --> 00:29:48,320

everything that the bbc did not at the

783

00:29:53,669 --> 00:29:51,840

time pop music and amusing presenters

784

00:29:55,590 --> 00:29:53,679

at the start of the dj's you here now

785

00:29:58,070 --> 00:29:55,600

but in the bbc in those days was pretty

786

00:29:59,830 --> 00:29:58,080

formal and pretty stuffy

787

00:30:03,669 --> 00:29:59,840

according to the lonely planet guide to

788

00:30:06,310 --> 00:30:03,679

micronations at 450 square meters

789

00:30:08,389 --> 00:30:06,320

or 0.1 of an acre

790

00:30:09,590 --> 00:30:08,399

sealand is the smallest country in the

791

00:30:11,750 --> 00:30:09,600

world

792

00:30:13,990 --> 00:30:11,760

albeit not a recognized one

793

00:30:18,230 --> 00:30:14,000

in comparison the vatican city which is

794

00:30:20,230 --> 00:30:18,240

recognized is huge at 121 acres

795

00:30:23,190 --> 00:30:20,240

two pirate radio station proprietors

796

00:30:25,669 --> 00:30:23,200

paddy roy bates and ronan o'reilly

797

00:30:27,269 --> 00:30:25,679

landed on ruff's tower gun platform in

798

00:30:29,430 --> 00:30:27,279

1966

799

00:30:31,909 --> 00:30:29,440

to set up a new station

800

00:30:34,230 --> 00:30:31,919

differences emerged however and bates

801
00:30:36,710 --> 00:30:34,240
seized the tower as his own

802
00:30:38,630 --> 00:30:36,720
as lonely planet describes it a rally

803
00:30:42,230 --> 00:30:38,640
supported by a small group of men

804
00:30:44,310 --> 00:30:42,240
attempted to storm the base in mid-1967

805
00:30:46,470 --> 00:30:44,320
bates and his crew were ready they

806
00:30:48,310 --> 00:30:46,480
repelled the attack with guns petrol

807
00:30:51,269 --> 00:30:48,320
bombs and according to some experts a

808
00:30:53,110 --> 00:30:51,279
flame thrower the royal navy got wind of

809
00:30:54,149 --> 00:30:53,120
it and ordered bates to surrender

810
00:30:58,149 --> 00:30:54,159
possession

811
00:31:00,710 --> 00:30:58,159
he refused and on september the 2nd 1967

812
00:31:02,549 --> 00:31:00,720
he declared independence

813
00:31:04,630 --> 00:31:02,559

the navy returned later and destroyed

814

00:31:06,870 --> 00:31:04,640

the other unoccupied towers

815

00:31:08,549 --> 00:31:06,880

making a threat as they pass sea land of

816

00:31:09,990 --> 00:31:08,559

your next

817

00:31:12,149 --> 00:31:10,000

it's still there

818

00:31:14,470 --> 00:31:12,159

despite a later attempted coup by dutch

819

00:31:16,830 --> 00:31:14,480

and german mercenaries an offer from

820

00:31:20,070 --> 00:31:16,840

argentina to buy it during the falklands

821

00:31:22,630 --> 00:31:20,080

war and the uk extending its territorial

822

00:31:23,750 --> 00:31:22,640

waters to 12 kilometers thus including

823

00:31:27,350 --> 00:31:23,760

sea land

824

00:31:30,950 --> 00:31:27,360

extending its territorial waters to

825

00:31:33,909 --> 00:31:30,960

match i mean that included the uk

826

00:31:36,149 --> 00:31:33,919

bates died in 2012 and his son michael

827

00:31:38,149 --> 00:31:36,159

is now prince of sea land though he

828

00:31:39,590 --> 00:31:38,159

lives on the mainland and runs a fishing

829

00:31:40,950 --> 00:31:39,600

business

830

00:31:42,710 --> 00:31:40,960

there is an attractive website

831

00:31:44,630 --> 00:31:42,720

sealand.gov.org

832

00:31:47,830 --> 00:31:44,640

and you can buy various royal titles or

833

00:31:48,950 --> 00:31:47,840

a knighthood from the online shop

834

00:31:51,750 --> 00:31:48,960

now the second country we're going to

835

00:31:53,269 --> 00:31:51,760

look at has the motto while i breathe i

836

00:31:55,029 --> 00:31:53,279

hope

837

00:31:57,350 --> 00:31:55,039

and that's the motto of what we used to

838

00:31:59,269 --> 00:31:57,360

be called the hutt river province

839

00:32:01,909 --> 00:31:59,279

on a slightly less dramatic note but no

840

00:32:03,990 --> 00:32:01,919

less serious than sealant probably more

841

00:32:05,830 --> 00:32:04,000

so in fact is hutt river province a

842

00:32:08,070 --> 00:32:05,840

former agricultural property

843

00:32:10,230 --> 00:32:08,080

approximately 600 kilometers northeast

844

00:32:12,870 --> 00:32:10,240

of perth western australia

845

00:32:15,110 --> 00:32:12,880

which makes it pretty isolated at 75

846

00:32:17,350 --> 00:32:15,120

square kilometers it makes sea land look

847

00:32:20,070 --> 00:32:17,360

small

848

00:32:22,230 --> 00:32:20,080

the principality of hutt river or phr as

849

00:32:24,310 --> 00:32:22,240

it is known to its citizens after a name

850

00:32:26,789 --> 00:32:24,320

change in 2006

851
00:32:30,549 --> 00:32:26,799
was founded by leonard casley on april

852
00:32:32,950 --> 00:32:30,559
21 1970 declaring himself prince with

853
00:32:35,430 --> 00:32:32,960
his wife princess shirley

854
00:32:37,669 --> 00:32:35,440
casley who had quote carved his way in

855
00:32:39,750 --> 00:32:37,679
the world of business farming family and

856
00:32:42,549 --> 00:32:39,760
fighting for his king and country took

857
00:32:45,110 --> 00:32:42,559
objection to a government wheat quota

858
00:32:46,230 --> 00:32:45,120
the slightly quaint website principality

859
00:32:48,149 --> 00:32:46,240
hyphen

860
00:32:50,710 --> 00:32:48,159
river.com

861
00:32:52,870 --> 00:32:50,720
says that prince leonard with his pen

862
00:32:55,750 --> 00:32:52,880
incredible mind and loving companion

863
00:32:58,470 --> 00:32:55,760

princess shirley and her typewriter

864

00:33:00,230 --> 00:32:58,480

set out 50 years ago to right a wrong

865

00:33:02,549 --> 00:33:00,240

the wrong of a government stealing a

866

00:33:04,789 --> 00:33:02,559

person's human rights a government that

867

00:33:06,149 --> 00:33:04,799

should be there to protect and encourage

868

00:33:07,509 --> 00:33:06,159

the development and growth of

869

00:33:09,750 --> 00:33:07,519

individuals

870

00:33:12,070 --> 00:33:09,760

which then when added together becomes a

871

00:33:14,470 --> 00:33:12,080

mighty nation

872

00:33:16,389 --> 00:33:14,480

continuing the quote he saw the unjust

873

00:33:18,950 --> 00:33:16,399

position governments were placing people

874

00:33:21,029 --> 00:33:18,960

in and he fought against that certainly

875

00:33:21,909 --> 00:33:21,039

out of necessity to save his family's

876

00:33:24,310 --> 00:33:21,919

farm

877

00:33:26,389 --> 00:33:24,320

but it was bigger than the casli family

878

00:33:27,269 --> 00:33:26,399

it was a human right that needed to be

879

00:33:29,430 --> 00:33:27,279

saved

880

00:33:30,950 --> 00:33:29,440

surely natural justice is what keeps us

881

00:33:32,789 --> 00:33:30,960

all at peace

882

00:33:34,950 --> 00:33:32,799

that's the end of the quote justice

883

00:33:37,029 --> 00:33:34,960

prevailed despite state and federal

884

00:33:40,070 --> 00:33:37,039

government objections rejecting the

885

00:33:42,230 --> 00:33:40,080

sovereign nature of phr insisting on tax

886

00:33:43,190 --> 00:33:42,240

and gst payments in an ongoing legal

887

00:33:45,430 --> 00:33:43,200

battle

888

00:33:47,269 --> 00:33:45,440

the principalities capital of nain has

889

00:33:49,509 --> 00:33:47,279

tourist facilities which is a caravan in

890

00:33:51,509 --> 00:33:49,519

a camping ground a postal service a

891

00:33:53,750 --> 00:33:51,519

giant bust of the prince a stone of

892

00:33:56,070 --> 00:33:53,760

light monument the princess shirley's

893

00:33:58,389 --> 00:33:56,080

sacred educational shrine unfortunately

894

00:34:00,870 --> 00:33:58,399

shirley died in 2013

895

00:34:02,470 --> 00:34:00,880

the gateway to nature's spirit world

896

00:34:05,350 --> 00:34:02,480

where you can see and read about the

897

00:34:08,230 --> 00:34:05,360

findings of hrh prince leonard and other

898

00:34:10,790 --> 00:34:08,240

academics of the phr royal college of

899

00:34:12,950 --> 00:34:10,800

advanced education into the discovery of

900

00:34:15,589 --> 00:34:12,960

mathematical formulas which uncover

901
00:34:17,109 --> 00:34:15,599
nature's basic construction code sc

902
00:34:18,790 --> 00:34:17,119
10989

903
00:34:20,470 --> 00:34:18,800
and many others

904
00:34:23,349 --> 00:34:20,480
which was a mouthful

905
00:34:24,950 --> 00:34:23,359
it even has the royal hut river navy

906
00:34:27,589 --> 00:34:24,960
now those of you who know australia know

907
00:34:31,030 --> 00:34:27,599
that 600 odd kilometers northeast of

908
00:34:32,389 --> 00:34:31,040
perth is not exactly a marine

909
00:34:33,430 --> 00:34:32,399
hub

910
00:34:36,149 --> 00:34:33,440
but anyway

911
00:34:38,310 --> 00:34:36,159
the royal navy which is non-combative

912
00:34:40,230 --> 00:34:38,320
and is represented by quote members

913
00:34:42,790 --> 00:34:40,240

located on several continents and

914

00:34:44,790 --> 00:34:42,800

geographical areas including australia

915

00:34:47,990 --> 00:34:44,800

europa north america and asia in other

916

00:34:51,829 --> 00:34:48,000

words it's a virtual navy

917

00:34:54,149 --> 00:34:51,839

january 2017 after ruling for 47 years

918

00:34:56,550 --> 00:34:54,159

prince leonard abdicated in favor of his

919

00:34:58,230 --> 00:34:56,560

youngest son prince graham

920

00:34:59,829 --> 00:34:58,240

that same year the supreme court of

921

00:35:01,670 --> 00:34:59,839

western australia obviously not

922

00:35:02,470 --> 00:35:01,680

recognizing a real sovereign when it saw

923

00:35:05,109 --> 00:35:02,480

one

924

00:35:07,750 --> 00:35:05,119

ordered prince landed to pay 2.7 million

925

00:35:09,750 --> 00:35:07,760

dollars in unpaid tax

926
00:35:11,750 --> 00:35:09,760
leonard died last year which will be in

927
00:35:13,829 --> 00:35:11,760
2019

928
00:35:16,310 --> 00:35:13,839
the province has held a place of warmth

929
00:35:18,550 --> 00:35:16,320
and amusement for many australian people

930
00:35:20,550 --> 00:35:18,560
even if most don't know where it is

931
00:35:23,109 --> 00:35:20,560
so it comes as a sad blow to hear that

932
00:35:25,510 --> 00:35:23,119
it has recently closed or gone into

933
00:35:27,750 --> 00:35:25,520
hiatus as the website says

934
00:35:29,589 --> 00:35:27,760
prince graham reports that quote over

935
00:35:32,150 --> 00:35:29,599
the past few years the economic standing

936
00:35:34,150 --> 00:35:32,160
of the principality has been challenging

937
00:35:37,109 --> 00:35:34,160
we have and are experiencing declining

938
00:35:39,030 --> 00:35:37,119

revenue from our agricultural pursuits

939

00:35:40,710 --> 00:35:39,040

our largest source of revenue

940

00:35:42,710 --> 00:35:40,720

this finds us in difficult and

941

00:35:44,470 --> 00:35:42,720

challenging circumstances

942

00:35:46,550 --> 00:35:44,480

this along with a steady decline in the

943

00:35:48,710 --> 00:35:46,560

number of tourists passing by and

944

00:35:49,589 --> 00:35:48,720

dropping in for a chat over more recent

945

00:35:51,589 --> 00:35:49,599

times

946

00:35:53,430 --> 00:35:51,599

as well of course the increasing cost of

947

00:35:54,630 --> 00:35:53,440

running even such a small country as the

948

00:35:56,550 --> 00:35:54,640

phr

949

00:35:58,630 --> 00:35:56,560

has led me to the difficult current

950

00:36:01,430 --> 00:35:58,640

announcement that the principality of

951
00:36:03,990 --> 00:36:01,440
hutt river is to go on hiatus closing

952
00:36:05,750 --> 00:36:04,000
its borders and public offices

953
00:36:09,589 --> 00:36:05,760
at the end of business on friday the

954
00:36:11,750 --> 00:36:09,599
31st of january 2020

955
00:36:12,870 --> 00:36:11,760
lonely planet's guide to micronation

956
00:36:13,670 --> 00:36:12,880
says that

957
00:36:16,470 --> 00:36:13,680
some

958
00:36:18,470 --> 00:36:16,480
are theoretical experiments in statehood

959
00:36:20,630 --> 00:36:18,480
examples of how nations

960
00:36:22,550 --> 00:36:20,640
sure could be organized others are

961
00:36:25,349 --> 00:36:22,560
played mostly for laughs

962
00:36:27,430 --> 00:36:25,359
enormous time-consuming intricate jokes

963
00:36:28,870 --> 00:36:27,440

usually made at the creator's own

964

00:36:30,550 --> 00:36:28,880

expense

965

00:36:33,109 --> 00:36:30,560

some of the more enduring nations are

966

00:36:35,430 --> 00:36:33,119

formed out of anger or discontent

967

00:36:37,190 --> 00:36:35,440

frustration or desperation

968

00:36:40,870 --> 00:36:37,200

of these there might even be a few

969

00:36:42,150 --> 00:36:40,880

sinister nations with unsound agendas

970

00:36:44,470 --> 00:36:42,160

many of the current crop of

971

00:36:47,190 --> 00:36:44,480

self-professed sovereign citizens

972

00:36:49,750 --> 00:36:47,200

obviously have anger some are desperate

973

00:36:51,750 --> 00:36:49,760

and some may even have sinister intent

974

00:36:53,270 --> 00:36:51,760

they also have ignorance and a sense of

975

00:36:54,710 --> 00:36:53,280

self-importance

976

00:36:57,030 --> 00:36:54,720

phr

977

00:36:58,710 --> 00:36:57,040

was not sinister though was born out of

978

00:37:01,030 --> 00:36:58,720

anger and discontent

979

00:37:03,030 --> 00:37:01,040

at 50 years old it was one of the oldest

980

00:37:04,630 --> 00:37:03,040

micro nations in the world

981

00:37:06,069 --> 00:37:04,640

certainly of those with actual land in

982

00:37:07,990 --> 00:37:06,079

the navy

983

00:37:10,790 --> 00:37:08,000

so its passing is surely one of the

984

00:37:12,440 --> 00:37:10,800

saddest and least heralded closings of a

985

00:37:13,180 --> 00:37:12,450

nation in global history

986

00:37:19,190 --> 00:37:13,190

[Music]

987

00:37:22,069 --> 00:37:20,630

now that's the article called little

988

00:37:25,270 --> 00:37:22,079

people which appeared in the skeptic

989

00:37:26,950 --> 00:37:25,280

magazine september 2020 and you can

990

00:37:28,950 --> 00:37:26,960

download that issue of the magazine for

991

00:37:32,470 --> 00:37:28,960

free from our website which is

992

00:37:37,270 --> 00:37:34,829

or maybe you should subscribe to the

993

00:37:39,349 --> 00:37:37,280

magazine it helps us it'll certainly

994

00:37:44,570 --> 00:37:39,359

help you get the latest information on

995

00:37:44,580 --> 00:37:53,190

[Music]

996

00:37:56,710 --> 00:37:55,430

i'm mick west in my podcast tales from

997

00:37:58,069 --> 00:37:56,720

the rabbit hole i have extended

998

00:38:00,390 --> 00:37:58,079

conversations with people who've been

999

00:38:02,069 --> 00:38:00,400

involved in conspiracy culture i do this

1000

00:38:03,349 --> 00:38:02,079

for a couple of reasons firstly because

1001
00:38:05,030 --> 00:38:03,359
it's really interesting these people

1002
00:38:06,790 --> 00:38:05,040
have great stories about how they fell

1003
00:38:08,550 --> 00:38:06,800
down the conspiracy theory rabbit hole

1004
00:38:10,310 --> 00:38:08,560
what they did down there and what it was

1005
00:38:11,430 --> 00:38:10,320
that helped them out sometimes i also

1006
00:38:12,790 --> 00:38:11,440
talk to people who investigate

1007
00:38:14,310 --> 00:38:12,800
conspiracy theories and they have

1008
00:38:16,550 --> 00:38:14,320
equally fascinating stories from the

1009
00:38:17,910 --> 00:38:16,560
other side secondly i want to understand

1010
00:38:19,589 --> 00:38:17,920
how best to prevent the spread of

1011
00:38:21,349 --> 00:38:19,599
conspiracy theories and misinformation

1012
00:38:23,829 --> 00:38:21,359
which is an increasing problem in a time

1013
00:38:25,670 --> 00:38:23,839

when alternative media is exploding the

1014

00:38:27,670 --> 00:38:25,680

best way to do this is to communicate

1015

00:38:29,670 --> 00:38:27,680

effectively with the people involved and

1016

00:38:31,109 --> 00:38:29,680

the best way to do that is with a nice

1017

00:38:33,670 --> 00:38:31,119

long chat

1018

00:38:36,090 --> 00:38:33,680

check it out tales from the rabbit hole

1019

00:38:49,840 --> 00:38:36,100

tftrh.com

1020

00:38:49,850 --> 00:38:55,190

[Music]

1021

00:38:59,710 --> 00:38:57,190

now it's time once again to dive into

1022

00:39:01,750 --> 00:38:59,720

those pages at trove at

1023

00:39:03,190 --> 00:39:01,760

trove.nla.gov today you the online

1024

00:39:05,430 --> 00:39:03,200

resource from the australian government

1025

00:39:07,670 --> 00:39:05,440

and the national library of australia

1026
00:39:11,750 --> 00:39:07,680
full of digitized newspapers reports

1027
00:39:14,390 --> 00:39:11,760
going back decades and centuries

1028
00:39:16,870 --> 00:39:14,400
this week this week inspired

1029
00:39:19,670 --> 00:39:16,880
by a suggestion by my friend lindley

1030
00:39:22,230 --> 00:39:19,680
posty lindley in melbourne a listener to

1031
00:39:24,870 --> 00:39:22,240
the show we're going to be looking at

1032
00:39:29,190 --> 00:39:24,880
the min min lights

1033
00:39:31,510 --> 00:39:29,200
min min lights these are mysterious

1034
00:39:34,710 --> 00:39:31,520
floating lights that appear

1035
00:39:38,390 --> 00:39:34,720
in a remote part of northern queensland

1036
00:39:40,870 --> 00:39:38,400
and to quote from skeptoid

1037
00:39:42,790 --> 00:39:40,880
by brian dunning who did an episode on

1038
00:39:43,829 --> 00:39:42,800

the minmin lights called chasing them in

1039

00:39:46,310 --> 00:39:43,839

midnight

1040

00:39:48,069 --> 00:39:46,320

and this was episode skeptoid episode

1041

00:39:50,950 --> 00:39:48,079

number 133

1042

00:39:53,109 --> 00:39:50,960

from december 2008.

1043

00:39:54,790 --> 00:39:53,119

it's a hot night out here in the

1044

00:39:56,870 --> 00:39:54,800

australian outback

1045

00:39:59,270 --> 00:39:56,880

we're about 40 miles east of the tiny

1046

00:40:01,589 --> 00:39:59,280

village of boulia near the site of an

1047

00:40:04,230 --> 00:40:01,599

old ghost town called minmin that

1048

00:40:05,990 --> 00:40:04,240

doesn't even exist anymore

1049

00:40:08,470 --> 00:40:06,000

they call this part of western

1050

00:40:10,630 --> 00:40:08,480

queensland the channel country a flat

1051
00:40:13,990 --> 00:40:10,640
expanse of flood plains and creeks and

1052
00:40:15,670 --> 00:40:14,000
dry washes that almost never flow

1053
00:40:18,150 --> 00:40:15,680
stand on a high point and you can see

1054
00:40:20,710 --> 00:40:18,160
the horizon in every direction

1055
00:40:23,430 --> 00:40:20,720
and if you're lucky on a night like this

1056
00:40:24,630 --> 00:40:23,440
you might see the region's most infamous

1057
00:40:26,630 --> 00:40:24,640
damason

1058
00:40:29,190 --> 00:40:26,640
the min min light

1059
00:40:32,150 --> 00:40:29,200
and the the episode goes on

1060
00:40:35,109 --> 00:40:32,160
the conclusion brian has come to

1061
00:40:36,230 --> 00:40:35,119
is that the min min light are a form of

1062
00:40:38,470 --> 00:40:36,240
mirage

1063
00:40:40,950 --> 00:40:38,480

in fact towards the end of the episode

1064

00:40:42,870 --> 00:40:40,960

he says optical science has produced a

1065

00:40:45,990 --> 00:40:42,880

far better candidate for our mysterious

1066

00:40:47,910 --> 00:40:46,000

coastline one that is reproducible and

1067

00:40:50,150 --> 00:40:47,920

fully accounts for the observations

1068

00:40:52,870 --> 00:40:50,160

professor jack pettigrew

1069

00:40:55,589 --> 00:40:52,880

writing in the journal clinical and

1070

00:40:59,109 --> 00:40:55,599

experimental optometry described the

1071

00:41:01,910 --> 00:40:59,119

minmin light and the fatter morgana the

1072

00:41:04,790 --> 00:41:01,920

fatamogana mirage is a type of superior

1073

00:41:07,270 --> 00:41:04,800

mirage in a superior mirage the object

1074

00:41:09,589 --> 00:41:07,280

is seen above its actual position for

1075

00:41:12,950 --> 00:41:09,599

example above the horizon when in effect

1076

00:41:13,990 --> 00:41:12,960

it is far away and hidden below the

1077

00:41:16,069 --> 00:41:14,000

horizon

1078

00:41:18,069 --> 00:41:16,079

fatamorgana mirages are caused by the

1079

00:41:20,390 --> 00:41:18,079

thermal inversion layers in the

1080

00:41:22,150 --> 00:41:20,400

atmosphere they are fairly common in the

1081

00:41:24,710 --> 00:41:22,160

arctic regions where temperature

1082

00:41:27,430 --> 00:41:24,720

inversions are endemic

1083

00:41:28,870 --> 00:41:27,440

he goes on to say that pettigrew found

1084

00:41:30,710 --> 00:41:28,880

that australia's channel country

1085

00:41:32,790 --> 00:41:30,720

naturally creates ideal conditions for

1086

00:41:35,109 --> 00:41:32,800

superior mirages

1087

00:41:35,910 --> 00:41:35,119

all of the hollows and ravines trap warm

1088

00:41:38,309 --> 00:41:35,920

air

1089

00:41:40,870 --> 00:41:38,319

and on a cool evening following a hot

1090

00:41:43,430 --> 00:41:40,880

day the conditions are virtually certain

1091

00:41:45,990 --> 00:41:43,440

to take place so there's the uh the

1092

00:41:48,870 --> 00:41:46,000

conclusion that brian has come to in his

1093

00:41:49,829 --> 00:41:48,880

skeptoid episode which seems reasonable

1094

00:41:51,190 --> 00:41:49,839

enough

1095

00:41:53,670 --> 00:41:51,200

but let's now

1096

00:41:55,589 --> 00:41:53,680

go back into history and see what

1097

00:41:56,630 --> 00:41:55,599

reports we can discover

1098

00:41:58,520 --> 00:41:56,640

about

1099

00:42:04,230 --> 00:41:58,530

the min midnights

1100

00:42:05,670 --> 00:42:04,240

[Music]

1101
00:42:07,430 --> 00:42:05,680
and we have a result here from the

1102
00:42:11,270 --> 00:42:07,440
northwestern courier

1103
00:42:12,950 --> 00:42:11,280
dated the 14th of june 1943.

1104
00:42:14,470 --> 00:42:12,960
the min min later

1105
00:42:16,710 --> 00:42:14,480
in a recent

1106
00:42:19,910 --> 00:42:16,720
austral oddities

1107
00:42:22,790 --> 00:42:19,920
session over radio 2 fc

1108
00:42:24,870 --> 00:42:22,800
bill beatty spoke of the min min light

1109
00:42:27,270 --> 00:42:24,880
that strange mysterious light that may

1110
00:42:31,430 --> 00:42:27,280
be seen at minmin on the road between

1111
00:42:33,910 --> 00:42:31,440
bullier and winton western queensland

1112
00:42:36,710 --> 00:42:33,920
bill beatty's mention of this phenomena

1113
00:42:39,030 --> 00:42:36,720

reminded me of my meeting with it years

1114

00:42:40,470 --> 00:42:39,040

ago a meeting which i shall long

1115

00:42:44,630 --> 00:42:40,480

remember

1116

00:42:46,870 --> 00:42:44,640

in 1929 i was coming in with 1500

1117

00:42:49,190 --> 00:42:46,880

bullocks from burnet downs in the

1118

00:42:52,069 --> 00:42:49,200

northern territory passing the small

1119

00:42:56,069 --> 00:42:52,079

township of boulia we headed southwest

1120

00:42:58,550 --> 00:42:56,079

for winton almost 200 miles distant

1121

00:43:01,190 --> 00:42:58,560

traveling along at a rate of 10 miles a

1122

00:43:03,589 --> 00:43:01,200

day we camped one night on min min

1123

00:43:06,069 --> 00:43:03,599

station quite close to the main bully of

1124

00:43:08,230 --> 00:43:06,079

winton road on level well grassed

1125

00:43:11,589 --> 00:43:08,240

lightly timbered country the bullocks

1126

00:43:15,030 --> 00:43:11,599

being put on camp about 200 yards from

1127

00:43:18,230 --> 00:43:15,040

the road i was taking the midnight watch

1128

00:43:21,270 --> 00:43:18,240

and at 11 30 pm the man on watch rode

1129

00:43:23,589 --> 00:43:21,280

into camp and awakened me then got back

1130

00:43:24,630 --> 00:43:23,599

on his horse and rode out again to the

1131

00:43:27,270 --> 00:43:24,640

cattle

1132

00:43:29,750 --> 00:43:27,280

sitting up on my boots and spurs the

1133

00:43:32,390 --> 00:43:29,760

only articles which your dinkum cattle

1134

00:43:34,870 --> 00:43:32,400

drover ever removes i stirred the fire

1135

00:43:37,670 --> 00:43:34,880

put the coffee billy on the coals to

1136

00:43:39,670 --> 00:43:37,680

warm up for the man i was relieving

1137

00:43:42,630 --> 00:43:39,680

mounted the night horse tied at the camp

1138

00:43:44,790 --> 00:43:42,640

and rode out to do my two hours watch

1139

00:43:46,950 --> 00:43:44,800

joining the man who was riding around

1140

00:43:50,150 --> 00:43:46,960

the cattle singing at the top of his

1141

00:43:52,069 --> 00:43:50,160

voice i asked the usual question

1142

00:43:54,390 --> 00:43:52,079

how are they camping george

1143

00:43:56,950 --> 00:43:54,400

oh quite well he said

1144

00:43:59,750 --> 00:43:56,960

no trouble at all we rode around the

1145

00:44:01,829 --> 00:43:59,760

cattle together and then my mate said

1146

00:44:04,309 --> 00:44:01,839

well i'll go in now and get some shut

1147

00:44:06,870 --> 00:44:04,319

eye he was about to ride back to camp

1148

00:44:09,030 --> 00:44:06,880

when we noticed a bright light shining

1149

00:44:10,150 --> 00:44:09,040

along the road in the direction of

1150

00:44:12,069 --> 00:44:10,160

bullier

1151

00:44:14,390 --> 00:44:12,079

i'll stay here with you until that car

1152

00:44:16,630 --> 00:44:14,400

gets passed said george

1153

00:44:19,349 --> 00:44:16,640

just in case it frightens the bullocks

1154

00:44:22,550 --> 00:44:19,359

we rode around together yawning why the

1155

00:44:25,030 --> 00:44:22,560

light on the apparently approaching car

1156

00:44:27,270 --> 00:44:25,040

shone brightly at a distance of about

1157

00:44:29,190 --> 00:44:27,280

one and a half to two miles though it

1158

00:44:31,430 --> 00:44:29,200

seemed to be coming closer

1159

00:44:33,829 --> 00:44:31,440

suddenly without warning

1160

00:44:35,990 --> 00:44:33,839

the light vanished and we concluded that

1161

00:44:38,790 --> 00:44:36,000

the motorist had decided to camp for the

1162

00:44:40,470 --> 00:44:38,800

rest of the night so george went in for

1163

00:44:42,630 --> 00:44:40,480

his shut-eye

1164

00:44:45,910 --> 00:44:42,640

left on my own i started my two hours

1165

00:44:47,990 --> 00:44:45,920

watch with no thought for the motorist

1166

00:44:49,030 --> 00:44:48,000

who had decided to camp on the edge of

1167

00:44:52,069 --> 00:44:49,040

the road

1168

00:44:54,630 --> 00:44:52,079

imagine my amazement when presently i

1169

00:44:57,510 --> 00:44:54,640

aspired the self same bright light

1170

00:44:58,870 --> 00:44:57,520

shining along the road in the direction

1171

00:45:01,829 --> 00:44:58,880

of winton

1172

00:45:03,270 --> 00:45:01,839

i was not scared but i was certainly

1173

00:45:04,390 --> 00:45:03,280

very puzzled

1174

00:45:07,030 --> 00:45:04,400

there it was

1175

00:45:09,510 --> 00:45:07,040

in a totally opposite direction to that

1176

00:45:12,069 --> 00:45:09,520

in which i had first seen it

1177

00:45:14,309 --> 00:45:12,079

to my mind about one and a half miles

1178

00:45:16,470 --> 00:45:14,319

away glowing brightly

1179

00:45:19,109 --> 00:45:16,480

at about the height of a car's

1180

00:45:22,470 --> 00:45:19,119

headlights almost as bright as a car

1181

00:45:24,390 --> 00:45:22,480

light but with a slightly reddish glow i

1182

00:45:26,630 --> 00:45:24,400

had plenty of time to observe this

1183

00:45:29,270 --> 00:45:26,640

strange unaccountable light as it

1184

00:45:31,430 --> 00:45:29,280

remained there for over an hour without

1185

00:45:34,150 --> 00:45:31,440

a movement or even a flicker

1186

00:45:35,910 --> 00:45:34,160

to say the least it was an eerie

1187

00:45:37,670 --> 00:45:35,920

experience

1188

00:45:40,470 --> 00:45:37,680

imagine if you can

1189

00:45:41,430 --> 00:45:40,480

an open treeless plane with a wintry

1190

00:45:44,069 --> 00:45:41,440

dune

1191

00:45:46,630 --> 00:45:44,079

wind sweeping across it with no sound

1192

00:45:49,349 --> 00:45:46,640

but of one's own voice warbling

1193

00:45:52,910 --> 00:45:49,359

lullabies with a curlu and a curl who is

1194

00:45:56,550 --> 00:45:52,920

a bird with a curlu accompaniment to

1195

00:45:58,950 --> 00:45:56,560

1500 drowsy bullocks and the grunts

1196

00:46:01,829 --> 00:45:58,960

coughs wheezers and other

1197

00:46:03,349 --> 00:46:01,839

indefinable noises of a large mob of

1198

00:46:06,710 --> 00:46:03,359

camping cattle

1199

00:46:09,109 --> 00:46:06,720

with all the time your eyes turned to a

1200

00:46:11,829 --> 00:46:09,119

mysterious light in the distance

1201
00:46:14,230 --> 00:46:11,839
just before i went to wake my successor

1202
00:46:16,710 --> 00:46:14,240
who was to take the next watch the light

1203
00:46:19,030 --> 00:46:16,720
disappeared just as though someone had

1204
00:46:21,109 --> 00:46:19,040
switched off an electric light at

1205
00:46:23,270 --> 00:46:21,119
breakfast next morning i started to tell

1206
00:46:25,910 --> 00:46:23,280
my story of the strange light and

1207
00:46:27,430 --> 00:46:25,920
upspoke one of the drovers who had spent

1208
00:46:29,349 --> 00:46:27,440
most of his life

1209
00:46:31,829 --> 00:46:29,359
in those parts

1210
00:46:33,829 --> 00:46:31,839
ah that was the min min light i forgot

1211
00:46:35,589 --> 00:46:33,839
to tell you chaps last night that you

1212
00:46:38,150 --> 00:46:35,599
might see it here

1213
00:46:40,630 --> 00:46:38,160

then he told us about it how it had been

1214

00:46:43,430 --> 00:46:40,640

seen in that particular locality for as

1215

00:46:47,109 --> 00:46:43,440

long as white men could remember how men

1216

00:46:49,670 --> 00:46:47,119

had tried to run it down on horseback

1217

00:46:53,430 --> 00:46:49,680

and how suddenly it had gone out to

1218

00:46:55,430 --> 00:46:53,440

reappear behind them as elusive as ever

1219

00:46:57,829 --> 00:46:55,440

he told us that famous scientists had

1220

00:47:01,270 --> 00:46:57,839

gone out to unravel the mystery and had

1221

00:47:02,550 --> 00:47:01,280

returned knowing no more than when they

1222

00:47:05,109 --> 00:47:02,560

went there

1223

00:47:07,670 --> 00:47:05,119

that was in 1929

1224

00:47:08,550 --> 00:47:07,680

and now by all accounts the min min

1225

00:47:11,829 --> 00:47:08,560

light

1226

00:47:13,910 --> 00:47:11,839

is still glowing eerie and elusive yet

1227

00:47:15,030 --> 00:47:13,920

always in the same locality one of

1228

00:47:16,390 --> 00:47:15,040

nature's

1229

00:47:18,390 --> 00:47:16,400

unsolved

1230

00:47:20,790 --> 00:47:18,400

mysteries

1231

00:47:21,829 --> 00:47:20,800

what a wonderful report wonder wonderful

1232

00:47:24,790 --> 00:47:21,839

report

1233

00:47:27,510 --> 00:47:24,800

made in 1943 about

1234

00:47:29,910 --> 00:47:27,520

an adventure in 1929

1235

00:47:33,109 --> 00:47:29,920

and here we have another return from the

1236

00:47:35,390 --> 00:47:33,119

sunday mail in brisbane dated the 9th of

1237

00:47:40,150 --> 00:47:35,400

march 1941

1238

00:47:42,390 --> 00:47:40,160

spiritualists theory on min min light

1239

00:47:44,790 --> 00:47:42,400

beach coma's series of articles in the

1240

00:47:46,150 --> 00:47:44,800

sunday mail magazine on ghosts of

1241

00:47:49,670 --> 00:47:46,160

queensland

1242

00:47:53,270 --> 00:47:49,680

has captured the interest of mr a.j ford

1243

00:47:56,710 --> 00:47:53,280

of taringa brisbane spiritualist

1244

00:47:58,470 --> 00:47:56,720

it is my contention rights mr ford that

1245

00:48:00,870 --> 00:47:58,480

the min min light described in last

1246

00:48:03,990 --> 00:48:00,880

week's issue of the sunday mail is

1247

00:48:05,549 --> 00:48:04,000

purely a spirit light brought by some

1248

00:48:08,790 --> 00:48:05,559

earth bound

1249

00:48:11,109 --> 00:48:08,800

disembodied spirit that is very anxious

1250

00:48:14,390 --> 00:48:11,119

to give some valuable information about

1251

00:48:16,870 --> 00:48:14,400

the spot where it manifests itself

1252

00:48:20,470 --> 00:48:16,880

the vicinity of the notorious shanty

1253

00:48:22,950 --> 00:48:20,480

town known as the minmin hotel where

1254

00:48:24,230 --> 00:48:22,960

murders and other crimes are spoken of

1255

00:48:26,390 --> 00:48:24,240

as having

1256

00:48:29,349 --> 00:48:26,400

possibly taken place

1257

00:48:32,309 --> 00:48:29,359

mr ford quotes a report that reverend

1258

00:48:35,750 --> 00:48:32,319

bernard rhoden formerly of london a

1259

00:48:38,470 --> 00:48:35,760

psychic demonstrator and trans lecturer

1260

00:48:41,270 --> 00:48:38,480

is shortly to tour australia and states

1261

00:48:43,750 --> 00:48:41,280

that he has written south putting the

1262

00:48:45,190 --> 00:48:43,760

min min reports as quoted by

1263

00:48:46,150 --> 00:48:45,200

beech coma

1264

00:48:49,270 --> 00:48:46,160

forward

1265

00:48:51,829 --> 00:48:49,280

as worthy of his investigation

1266

00:48:53,109 --> 00:48:51,839

the sunday mail article stated that the

1267

00:48:56,950 --> 00:48:53,119

light had

1268

00:48:58,390 --> 00:48:56,960

been in evidence for more than 60 years

1269

00:49:01,510 --> 00:48:58,400

and had never

1270

00:49:03,510 --> 00:49:01,520

been satisfactorily explained mr ford

1271

00:49:06,630 --> 00:49:03,520

suggests that a psychic

1272

00:49:09,430 --> 00:49:06,640

would be able to supply the name of one

1273

00:49:12,069 --> 00:49:09,440

who is causing the light and interpret

1274

00:49:15,589 --> 00:49:12,079

the message or information which the

1275

00:49:17,510 --> 00:49:15,599

earthbound spirit wishes to convey

1276

00:49:20,150 --> 00:49:17,520

and enable it to advance from its

1277

00:49:23,990 --> 00:49:20,160

present environment the light

1278

00:49:26,390 --> 00:49:24,000

would then cease to appear

1279

00:49:28,230 --> 00:49:26,400

sort of reminds me of an old saying when

1280

00:49:31,510 --> 00:49:28,240

you're hammer every problem is a nail

1281

00:49:34,069 --> 00:49:31,520

when you're a spiritualist every

1282

00:49:35,910 --> 00:49:34,079

phenomenon must be a spirit

1283

00:49:37,670 --> 00:49:35,920

and finally we come to queensland

1284

00:49:39,589 --> 00:49:37,680

country life

1285

00:49:42,950 --> 00:49:39,599

and this was published on the 10th of

1286

00:49:45,510 --> 00:49:42,960

december 1953

1287

00:49:47,750 --> 00:49:45,520

mystery of the min min light

1288

00:49:50,150 --> 00:49:47,760

by t.j pennington

1289

00:49:53,030 --> 00:49:50,160

for more than half a century people of

1290

00:49:55,750 --> 00:49:53,040

the bullier district have been intrigued

1291

00:49:57,750 --> 00:49:55,760

and mystified by that strange phenomenon

1292

00:50:00,950 --> 00:49:57,760

the mysterious min min light

1293

00:50:01,990 --> 00:50:00,960

it has become the legend of stations

1294

00:50:05,910 --> 00:50:02,000

from

1295

00:50:09,270 --> 00:50:05,920

warrender to makunder downs and has sent

1296

00:50:12,150 --> 00:50:09,280

cold shivers down many a man's spine

1297

00:50:13,030 --> 00:50:12,160

besides stampeding traveling mobs of

1298

00:50:15,430 --> 00:50:13,040

cattle

1299

00:50:18,069 --> 00:50:15,440

it derives its name from the fact that

1300

00:50:21,589 --> 00:50:18,079

it first made its appearance in the

1301

00:50:24,309 --> 00:50:21,599

vicinity of the minmid pub

1302

00:50:27,030 --> 00:50:24,319

like a huge ball of fire which lights up

1303

00:50:30,150 --> 00:50:27,040

the planes for miles it races across the

1304

00:50:32,790 --> 00:50:30,160

downs at speeds of 30 to 40 miles an

1305

00:50:35,349 --> 00:50:32,800

hour despite all explanations as to its

1306

00:50:38,230 --> 00:50:35,359

origin no satisfactory conclusions have

1307

00:50:39,589 --> 00:50:38,240

been reached as to its appearance and

1308

00:50:43,270 --> 00:50:39,599

disappearance

1309

00:50:46,549 --> 00:50:43,280

some hold the opinion it is a kind of

1310

00:50:49,990 --> 00:50:46,559

night bird or phosphorus that travels at

1311

00:50:52,950 --> 00:50:50,000

certain periods as it is not seen for

1312

00:50:55,109 --> 00:50:52,960

months then suddenly it appears

1313

00:50:58,710 --> 00:50:55,119

in all its glory

1314

00:51:00,390 --> 00:50:58,720

i have seen it on two occasions first at

1315

00:51:03,670 --> 00:51:00,400

lucknow station

1316

00:51:05,990 --> 00:51:03,680

at a set of yards five miles south of

1317

00:51:06,790 --> 00:51:06,000

the station where i delivered a mob of

1318

00:51:10,230 --> 00:51:06,800

sheep

1319

00:51:13,510 --> 00:51:10,240

that day it is the power to change

1320

00:51:16,309 --> 00:51:13,520

direction as on the second occasion i

1321

00:51:17,270 --> 00:51:16,319

was watching a mob of cattle at makunda

1322

00:51:20,710 --> 00:51:17,280

bore

1323

00:51:23,430 --> 00:51:20,720

and about midnight it appeared racing

1324

00:51:25,990 --> 00:51:23,440

straight for the bullocks

1325

00:51:28,950 --> 00:51:26,000

i was expecting the worst as the cattle

1326

00:51:31,829 --> 00:51:28,960

were on their feet and slowly ringing

1327

00:51:34,069 --> 00:51:31,839

bellowing in their nervous state

1328

00:51:35,910 --> 00:51:34,079

when suddenly it veered to the south the

1329

00:51:38,470 --> 00:51:35,920

bullocks were restless for a couple of

1330

00:51:40,069 --> 00:51:38,480

hours then settled down to a peaceful

1331

00:51:43,109 --> 00:51:40,079

night's rest

1332

00:51:44,390 --> 00:51:43,119

men have chased it on foot horseback and

1333

00:51:46,470 --> 00:51:44,400

car

1334

00:51:49,510 --> 00:51:46,480

one unfortunate chap crashed into a

1335

00:51:50,470 --> 00:51:49,520

fence his horse falling and breaking its

1336

00:51:53,349 --> 00:51:50,480

leg

1337

00:51:55,990 --> 00:51:53,359

in his time he was reputed to have

1338

00:51:58,950 --> 00:51:56,000

chased it quite a few times on horseback

1339

00:52:01,270 --> 00:51:58,960

and though he would reassure timid

1340

00:52:03,430 --> 00:52:01,280

people as to its harmlessness

1341

00:52:06,390 --> 00:52:03,440

he regarded it with suspicion and

1342

00:52:08,069 --> 00:52:06,400

caution as often when he thought he was

1343

00:52:10,950 --> 00:52:08,079

closing on it

1344

00:52:13,190 --> 00:52:10,960

it would suddenly appear behind him

1345

00:52:16,230 --> 00:52:13,200

a well-known carrier of the horse team

1346

00:52:17,670 --> 00:52:16,240

days camped a couple of miles from the

1347

00:52:19,910 --> 00:52:17,680

middleton pub

1348

00:52:22,790 --> 00:52:19,920

and leaving his son in charge of the

1349

00:52:25,670 --> 00:52:22,800

wagons walked up to the pub on arriving

1350

00:52:28,150 --> 00:52:25,680

back at midnight the boy was missing dad

1351
00:52:31,589 --> 00:52:28,160
began to shout his name when a nervous

1352
00:52:33,750 --> 00:52:31,599
voice from under a top hole and said

1353
00:52:35,349 --> 00:52:33,760
here i am dad

1354
00:52:36,549 --> 00:52:35,359
what's the matter son

1355
00:52:39,190 --> 00:52:36,559
he asked

1356
00:52:41,750 --> 00:52:39,200
i've seen the light dad it raced over

1357
00:52:44,230 --> 00:52:41,760
the wagons blue is gone too broke his

1358
00:52:46,390 --> 00:52:44,240
chain and went bush the min min light

1359
00:52:48,820 --> 00:52:46,400
was an interesting mystery then

1360
00:52:56,470 --> 00:52:48,830
and remains so to this day

1361
00:52:59,510 --> 00:52:56,480
[Music]

1362
00:53:00,790 --> 00:52:59,520
there we go some classic old stories

1363
00:53:02,870 --> 00:53:00,800

from

1364

00:53:06,570 --> 00:53:02,880

the outback of australia

1365

00:53:07,670 --> 00:53:06,580

concerning the mysterious min min light

1366

00:53:10,230 --> 00:53:07,680

[Music]

1367

00:53:11,270 --> 00:53:10,240

i imagine it would be a very

1368

00:53:13,190 --> 00:53:11,280

interesting

1369

00:53:14,790 --> 00:53:13,200

experience to see the lights

1370

00:53:16,309 --> 00:53:14,800

although i think they're quite random in

1371

00:53:18,870 --> 00:53:16,319

nature so

1372

00:53:21,750 --> 00:53:18,880

maybe you're not assured of seeing them

1373

00:53:24,150 --> 00:53:21,760

so you could go to the area and camp for

1374

00:53:24,770 --> 00:53:24,160

a week and maybe not see them

1375

00:53:26,150 --> 00:53:24,780

interesting

1376

00:53:27,270 --> 00:53:26,160

[Music]

1377

00:53:31,670 --> 00:53:27,280

so many

1378

00:53:33,750 --> 00:53:31,680

tracks when you're looking at drove one

1379

00:53:35,829 --> 00:53:33,760

thing can lead to another interesting

1380

00:53:37,589 --> 00:53:35,839

stories from the past but you can

1381

00:53:42,390 --> 00:53:37,599

discover that for yourself by visiting

1382

00:53:50,330 --> 00:53:45,109

you'll never know what min-min light you

1383

00:53:50,340 --> 00:54:04,470

[Music]

1384

00:54:09,430 --> 00:54:07,510

the sky was velvet black with diamond

1385

00:54:12,230 --> 00:54:09,440

stars in the night

1386

00:54:14,230 --> 00:54:12,240

and the sparkled starlight fell like a

1387

00:54:16,630 --> 00:54:14,240

gentle rain of light

1388

00:54:18,390 --> 00:54:16,640

be sprinkling the earth in a shimmering

1389

00:54:20,710 --> 00:54:18,400

silver cloak

1390

00:54:22,390 --> 00:54:20,720

falling on the campsite and bedazzling

1391

00:54:24,950 --> 00:54:22,400

the city folk

1392

00:54:26,870 --> 00:54:24,960

dry deserty had died the campfire in

1393

00:54:29,030 --> 00:54:26,880

glowing embers

1394

00:54:31,109 --> 00:54:29,040

and the storyteller told a tale which

1395

00:54:33,910 --> 00:54:31,119

only he remembers of the night he saw

1396

00:54:36,549 --> 00:54:33,920

the minmin light deep within the dark

1397

00:54:39,750 --> 00:54:36,559

on a distant desert claypan in an

1398

00:54:41,990 --> 00:54:39,760

earthscape cold and stark

1399

00:54:44,470 --> 00:54:42,000

smiling twinkle lights laughing in the

1400

00:54:46,870 --> 00:54:44,480

cool crisp air and moving like men when

1401
00:54:50,309 --> 00:54:46,880
he knew none were there just blinking in

1402
00:54:52,150 --> 00:54:50,319
the distance moving closer as he stared

1403
00:54:54,710 --> 00:54:52,160
but he didn't move a muscle and was

1404
00:54:57,510 --> 00:54:54,720
quite unprepared the minmin took on

1405
00:54:59,430 --> 00:54:57,520
human form and entered his domain he

1406
00:55:01,750 --> 00:54:59,440
thought his mind was playing tricks deep

1407
00:55:04,549 --> 00:55:01,760
inside his brain and he rubbed his eyes

1408
00:55:06,870 --> 00:55:04,559
and tried in vain to clear his mind

1409
00:55:09,430 --> 00:55:06,880
but min min were around him

1410
00:55:12,230 --> 00:55:09,440
and his fear was left behind

1411
00:55:15,030 --> 00:55:12,240
they took him starlight strolling across

1412
00:55:17,829 --> 00:55:15,040
their astral plane and showed him in

1413
00:55:20,870 --> 00:55:17,839

secrets of secret min pain unknown

1414

00:55:22,150 --> 00:55:20,880

trials of tribal nations for thousands

1415

00:55:24,710 --> 00:55:22,160

of years

1416

00:55:27,190 --> 00:55:24,720

and then the storyteller stopped and

1417

00:55:28,630 --> 00:55:27,200

had to dry his tears memories of the

1418

00:55:31,030 --> 00:55:28,640

light and the night he learned their

1419

00:55:33,510 --> 00:55:31,040

tale came back to flood emotion as his

1420

00:55:37,030 --> 00:55:33,520

notion would prevail when he told this

1421

00:55:39,030 --> 00:55:37,040

lost tale from a long time in history

1422

00:55:41,670 --> 00:55:39,040

and he filled all the city folk with

1423

00:55:43,829 --> 00:55:41,680

question and mystery

1424

00:55:46,789 --> 00:55:43,839

then the merest mist appeared at the

1425

00:55:49,109 --> 00:55:46,799

city campus site would this be a sacred

1426
00:55:51,750 --> 00:55:49,119
visit from the gods min-min light and

1427
00:55:53,910 --> 00:55:51,760
the storyteller slowly stood

1428
00:55:56,069 --> 00:55:53,920
and pointed for he knew

1429
00:55:57,990 --> 00:55:56,079
the minion men were coming as the light

1430
00:56:00,549 --> 00:55:58,000
came into view

1431
00:56:02,870 --> 00:56:00,559
like the softer stars on horseback

1432
00:56:05,109 --> 00:56:02,880
riding across the flat they were getting

1433
00:56:07,990 --> 00:56:05,119
ever closer to where the campers sat and

1434
00:56:09,510 --> 00:56:08,000
the city stickers paled blood drained

1435
00:56:11,750 --> 00:56:09,520
from their faces

1436
00:56:15,270 --> 00:56:11,760
as the minmin knights arrived and

1437
00:56:17,589 --> 00:56:15,280
absorbed all their traces

1438
00:56:19,750 --> 00:56:17,599

all the city people vanished but not the

1439

00:56:22,470 --> 00:56:19,760

minmin man he was left to tell the

1440

00:56:25,190 --> 00:56:22,480

midman tale the best way that he can by

1441

00:56:26,950 --> 00:56:25,200

taking city visitors to those outback

1442

00:56:29,349 --> 00:56:26,960

points he knows

1443

00:56:43,020 --> 00:56:29,359

to turn them into mid midnights

1444

00:56:46,390 --> 00:56:44,789

[Applause]

1445

00:56:48,309 --> 00:56:46,400

thank you for listening to the skeptic's

1446

00:56:50,309 --> 00:56:48,319

own podcast on next week's show i might

1447

00:56:52,309 --> 00:56:50,319

be able to bring you a short

1448

00:56:53,910 --> 00:56:52,319

catch up with our dear friend dr angle

1449

00:56:56,630 --> 00:56:53,920

mattke

1450

00:56:59,030 --> 00:56:56,640

oh yes the emergency physician and

1451
00:57:01,190 --> 00:56:59,040
skeptical and she's one of the organizers

1452
00:57:04,470 --> 00:57:01,200
every year of course of the skeptrack at

1453
00:57:06,710 --> 00:57:04,480
dragoncon doctor angie is in town i

1454
00:57:08,950 --> 00:57:06,720
think she flew in just this morning and

1455
00:57:11,349 --> 00:57:08,960
i hope to catch up with her tonight

1456
00:57:13,829 --> 00:57:11,359
always a delight and a thrill

1457
00:57:17,510 --> 00:57:13,839
to meet up with dr angie also on next

1458
00:57:20,309 --> 00:57:17,520
week's show the trove segment looks at

1459
00:57:23,190 --> 00:57:20,319
the bermuda triangle

1460
00:57:25,030 --> 00:57:23,200
is it so mysterious we'll find out next

1461
00:57:26,470 --> 00:57:25,040
week thank you to those people who

1462
00:57:28,150 --> 00:57:26,480
continue to support the show at

1463
00:57:33,349 --> 00:57:28,160

skepticzone.tv

1464

00:57:35,030 --> 00:57:33,359

by your micropayments patreon or paypal

1465

00:57:36,870 --> 00:57:35,040

it all helps to

1466

00:57:40,630 --> 00:57:36,880

keep the show

1467

00:57:42,150 --> 00:57:40,640

online and in your ears and a big

1468

00:57:43,430 --> 00:57:42,160

welcome to those people who have

1469

00:57:45,270 --> 00:57:43,440

recently

1470

00:57:47,750 --> 00:57:45,280

uh logged on

1471

00:57:50,390 --> 00:57:47,760

to show your support by becoming new

1472

00:57:51,670 --> 00:57:50,400

patreons or new paypal members thank you

1473

00:57:54,710 --> 00:57:51,680

very much

1474

00:57:56,390 --> 00:57:54,720

but for this week i'm off to rest my

1475

00:57:58,549 --> 00:57:56,400

voice for this week this is richard

1476

00:58:03,829 --> 00:57:58,559

saunders signing off from sydney

1477

00:58:07,109 --> 00:58:05,589

you've been listening to the skeptic

1478

00:58:08,470 --> 00:58:07,119

zone podcast

1479

00:58:11,670 --> 00:58:08,480

please visit our website at

1480

00:58:17,270 --> 00:58:14,710

for show notes contacts and to access

1481

00:58:19,510 --> 00:58:17,280

the back catalog of episodes going back

1482

00:58:21,430 --> 00:58:19,520

to 2008.

1483

00:58:24,150 --> 00:58:21,440

you can follow the skeptic zone podcast

1484

00:58:26,309 --> 00:58:24,160

on twitter at skepticzone

1485

00:58:28,630 --> 00:58:26,319

visit our facebook page or leave a

1486

00:58:30,710 --> 00:58:28,640

review on itunes

1487

00:58:33,910 --> 00:58:30,720

you can also support the skeptic zone

1488

00:58:37,270 --> 00:58:33,920

via patreon or paypal the skeptic zone

1489

00:58:38,870 --> 00:58:37,280

podcast is an independent production the

1490

00:58:41,190 --> 00:58:38,880

views and opinions expressed on the

1491

00:58:43,750 --> 00:58:41,200

skeptic zone are not necessarily those

1492

00:58:57,430 --> 00:58:43,760

of australian skeptics or any other

1493

00:59:00,470 --> 00:58:58,789

right now look at tim this is very

1494

00:59:01,270 --> 00:59:00,480

exciting we have the first plane come

1495

00:59:06,150 --> 00:59:01,280

over

1496

00:59:08,630 --> 00:59:07,510

i've actually arranged them for about 15

1497

00:59:10,789 --> 00:59:08,640

minutes from now

1498

00:59:13,030 --> 00:59:10,799

i booked them but i did book the uh the

1499

00:59:15,910 --> 00:59:13,040

entire fleet of qantas to fly overhead

1500

00:59:18,230 --> 00:59:15,920

okay at 30 second intervals

1501

00:59:20,150 --> 00:59:18,240

like heavy aircraft and cockatoos and