

1
00:00:06,139 --> 00:00:12,580
welcome to the skeptic zone the podcast

2
00:00:09,109 --> 00:00:16,429
from Australia for science and reason

3
00:00:12,580 --> 00:00:18,910
yuria hosts Richard Saunders and Stefan

4
00:00:16,429 --> 00:00:18,910
psycho

5
00:00:23,339 --> 00:00:30,550
Richard good good morning Stefan you had

6
00:00:28,329 --> 00:00:32,379
to pause for a moment attitude to work

7
00:00:30,550 --> 00:00:34,119
out whether it was actually morning or

8
00:00:32,380 --> 00:00:35,980
evening what what's the what's going on

9
00:00:34,119 --> 00:00:39,909
I have to say that you and I have just

10
00:00:35,979 --> 00:00:41,589
been to a wonderful rotary dinner down

11
00:00:39,909 --> 00:00:44,109
here at an hour on the south coast of

12
00:00:41,590 --> 00:00:45,970
New South Wales where you were the

13
00:00:44,109 --> 00:00:47,589
entertainment doing the old piano and i

14
00:00:45,969 --> 00:00:49,780
was the guest speaker you were the

15
00:00:47,590 --> 00:00:51,520
entertainment doing the guest speaking i

16
00:00:49,780 --> 00:00:53,950
was i was in the program is the

17
00:00:51,520 --> 00:00:56,680
entertainer and it was a wonderful night

18
00:00:53,950 --> 00:00:58,120
I had a great time and and we're here

19
00:00:56,679 --> 00:01:00,670
back at the hotel just having a nice

20
00:00:58,119 --> 00:01:02,439
glass of wine tour to unwind well

21
00:01:00,670 --> 00:01:05,228
actually they gave you a bottle of wine

22
00:01:02,439 --> 00:01:07,478
as a little thank you and they also gave

23
00:01:05,228 --> 00:01:09,789
me a certificate which is the

24
00:01:07,478 --> 00:01:11,530
representation of a tree they planted in

25
00:01:09,790 --> 00:01:13,420
my honor is that wonderful are to the

26
00:01:11,530 --> 00:01:16,629
Train Your Honor so in 200 years time

27
00:01:13,420 --> 00:01:19,420
when they invent the the life extension

28
00:01:16,629 --> 00:01:22,599
pill you will be able to watch your tree

29

00:01:19,420 --> 00:01:25,810
growing it was very sweet of marie and i

30
00:01:22,599 --> 00:01:27,399
must thank rotary for having me speak

31
00:01:25,810 --> 00:01:29,019
tonight at the big conference here and

32
00:01:27,399 --> 00:01:32,109
thanks Stefan for helping to arrange it

33
00:01:29,019 --> 00:01:35,349
I was awesome but it's Richard it's it's

34
00:01:32,109 --> 00:01:36,789
ten to one it's it's the middle of the

35
00:01:35,349 --> 00:01:39,759
night folks we're having a bit of an

36
00:01:36,789 --> 00:01:41,890
unwind my voice is shot because I do I

37
00:01:39,759 --> 00:01:43,539
was speaking to people afterwards in a

38
00:01:41,890 --> 00:01:46,539
very loud room because you were playing

39
00:01:43,539 --> 00:01:48,609
music yeah it was a big night was a big

40
00:01:46,539 --> 00:01:50,799
for all these skeptics listening to the

41
00:01:48,609 --> 00:01:53,950
skeptic zone Stefan and Richard the

42
00:01:50,799 --> 00:01:56,019
hosts of the skeptic zone were heavily

43
00:01:53,950 --> 00:01:58,179

involved in the rotary district nine 680

44

00:01:56,019 --> 00:01:59,978
conference but Richard gave a very good

45

00:01:58,179 --> 00:02:02,530
talk that finished with a very big

46

00:01:59,978 --> 00:02:04,090
rotary theme thing about vaccinations

47

00:02:02,530 --> 00:02:06,819
and polio and everything like that and

48

00:02:04,090 --> 00:02:08,649
it went very well I died thank you i

49

00:02:06,819 --> 00:02:10,780
think it did go well because I'm I I

50

00:02:08,649 --> 00:02:12,610
spoke about general skepticism talking

51

00:02:10,780 --> 00:02:14,318
to the dead i bent a spoon which was

52

00:02:12,610 --> 00:02:16,510
very funny and all the rest of it and

53

00:02:14,318 --> 00:02:18,579
then I ended the talk with five minutes

54

00:02:16,509 --> 00:02:20,199
about the anti-vaccination crowd and I

55

00:02:18,580 --> 00:02:22,870
think a lot of people in the room were

56

00:02:20,199 --> 00:02:25,659
quite shocked Richard not only that I

57

00:02:22,870 --> 00:02:28,360
think you have created a new network of

58
00:02:25,659 --> 00:02:29,500
skepticism and in the rotary network and

59
00:02:28,360 --> 00:02:31,750
I think you've made a few friends

60
00:02:29,500 --> 00:02:34,300
tonight it might be the case for but

61
00:02:31,750 --> 00:02:35,919
let's think about this week's shows

62
00:02:34,300 --> 00:02:37,689
this week sure how can we think about

63
00:02:35,919 --> 00:02:39,369
this week it's ten to one in the bloody

64
00:02:37,689 --> 00:02:40,900
morning we're going to get up at seven

65
00:02:39,370 --> 00:02:43,360
o'clock for breakfast what's going on

66
00:02:40,900 --> 00:02:45,370
now somebody's going on this week well

67
00:02:43,360 --> 00:02:48,340
this week it's my report on the mighty

68
00:02:45,370 --> 00:02:50,560
meta muster water divining test but the

69
00:02:48,340 --> 00:02:53,409
third one and the last one was 11 years

70
00:02:50,560 --> 00:02:55,840
ago and I was on the spot I was helping

71
00:02:53,409 --> 00:02:59,169
out I interviewed diviners i interviewed

72
00:02:55,840 --> 00:03:01,719
skeptics and you had a DVD about it 11

73
00:02:59,169 --> 00:03:04,869
years ago I did isn't it amazing and i

74
00:03:01,719 --> 00:03:07,419
won't i won't give away the results just

75
00:03:04,870 --> 00:03:09,159
yet but i guess listeners can guess what

76
00:03:07,419 --> 00:03:10,719
they are most most of our listeners are

77
00:03:09,159 --> 00:03:12,159
quite skeptical so I think they would

78
00:03:10,719 --> 00:03:14,800
know that it would be a standard bell

79
00:03:12,159 --> 00:03:16,780
curve oh you've given it away but all

80
00:03:14,800 --> 00:03:18,700
that's coming up in the show and also we

81
00:03:16,780 --> 00:03:21,490
have another installment of the weakened

82
00:03:18,699 --> 00:03:24,819
science with dr. Paul Willis Oh dr. Paul

83
00:03:21,490 --> 00:03:28,689
Willis what is he it but is he on the

84
00:03:24,819 --> 00:03:30,430
team now well in a way he um he runs the

85
00:03:28,689 --> 00:03:32,379
Royal Institution in Adelaide which is a

86

00:03:30,430 --> 00:03:35,680
science outreach an institution

87
00:03:32,379 --> 00:03:37,000
fantastic and they do a week in science

88
00:03:35,680 --> 00:03:39,849
every week and we've had a little bit of

89
00:03:37,000 --> 00:03:42,370
a deal where he supplies me the audio

90
00:03:39,849 --> 00:03:44,169
and we play it doesn't he have like some

91
00:03:42,370 --> 00:03:45,789
sort of contract with the ABC or

92
00:03:44,169 --> 00:03:48,039
something oh no he used to be an ABC

93
00:03:45,789 --> 00:03:50,439
presenter but he left the ABC contract

94
00:03:48,039 --> 00:03:54,069
oh yes Oh so we've got him we've got it

95
00:03:50,439 --> 00:03:56,259
yet all right and as we drove down here

96
00:03:54,069 --> 00:03:58,060
we were discussing solar flare oh it's

97
00:03:56,259 --> 00:03:59,739
almost here it's almost here it's

98
00:03:58,060 --> 00:04:01,959
copying it all it needs is a theme song

99
00:03:59,739 --> 00:04:04,480
mate what are you doing I'm working on

100
00:04:01,959 --> 00:04:07,360

it should we get on with the show I

101

00:04:04,479 --> 00:04:10,259

think look past me that glass and we got

102

00:04:07,360 --> 00:04:12,610

a little couple of drops lingers this

103

00:04:10,259 --> 00:04:14,679

okay that's empty thank you all right

104

00:04:12,610 --> 00:04:17,049

Roger that blaster glass this is our

105

00:04:14,680 --> 00:04:19,720

wine down glass after a big night this

106

00:04:17,048 --> 00:04:21,339

was a free bottle of wine from rotary

107

00:04:19,720 --> 00:04:23,530

can you believe that Thank You rotary a

108

00:04:21,339 --> 00:04:25,149

community service organization just gave

109

00:04:23,529 --> 00:04:28,449

Richard a free bottle of wine I'm not

110

00:04:25,149 --> 00:04:30,668

complaining thank you Stefan cheers and

111

00:04:28,449 --> 00:04:33,389

let's get on with the show and goodnight

112

00:04:30,668 --> 00:04:33,389

21 on oil

113

00:04:51,459 --> 00:04:59,500

the mighty mitr muster a traditional

114

00:04:55,930 --> 00:05:02,168

Australian country fair of cattle and

115
00:04:59,500 --> 00:05:05,410
equestrian events wood chopping carnival

116
00:05:02,168 --> 00:05:08,019
events too what sets it apart from other

117
00:05:05,410 --> 00:05:10,630
country fairs around Australia water

118
00:05:08,019 --> 00:05:13,568
divining i arrived in the countryside

119
00:05:10,629 --> 00:05:15,879
admitted meter on friday the 8th of

120
00:05:13,569 --> 00:05:18,580
march with a couple of skeptics brought

121
00:05:15,879 --> 00:05:20,288
down from New South Wales after a long

122
00:05:18,579 --> 00:05:24,098
day on the road it was nice to sit back

123
00:05:20,288 --> 00:05:25,899
with our hosts Laurie and Eden Smith we

124
00:05:24,098 --> 00:05:28,000
were joined by other skeptics as we SAT

125
00:05:25,899 --> 00:05:32,310
around the dinner table and chattered

126
00:05:28,000 --> 00:05:32,310
about the upcoming divining test

127
00:05:33,139 --> 00:05:37,340
you

128
00:05:34,790 --> 00:05:39,830
I dreamed you dreamed I was walking

129
00:05:37,339 --> 00:05:42,529
around with angry Tarkovsky for our

130
00:05:39,829 --> 00:05:46,759
listeners who use that film director

131
00:05:42,529 --> 00:05:48,949
thank you indeed 25 it's my hero okies

132
00:05:46,759 --> 00:05:51,230
oceanogr a living paladar it's none

133
00:05:48,949 --> 00:05:53,539
other than skeptical Steve Robert Ellen

134
00:05:51,230 --> 00:05:57,259
see I'm a fan of Andrei Tarkovsky hello

135
00:05:53,540 --> 00:05:59,840
this is this is Steve I've caught up

136
00:05:57,259 --> 00:06:02,269
with you last year and after your huge

137
00:05:59,839 --> 00:06:05,750
adventure right across Russia don't be

138
00:06:02,269 --> 00:06:07,579
released now thank you so i'm i'm here

139
00:06:05,750 --> 00:06:09,470
in wonderful wonderful beautiful

140
00:06:07,579 --> 00:06:11,120
millimeter at the the home of lori

141
00:06:09,470 --> 00:06:14,030
needin smith were enjoying a lovely

142
00:06:11,120 --> 00:06:16,129
dinner this weekend steve my team in a

143

00:06:14,029 --> 00:06:17,929
master the mighty mither must awarded a

144
00:06:16,129 --> 00:06:19,490
binding test indeed yes it is the third

145
00:06:17,930 --> 00:06:22,490
time we've done it we did it a couple of

146
00:06:19,490 --> 00:06:24,259
times in the 2000s yes and it was a

147
00:06:22,490 --> 00:06:26,600
great great hope to do it we get two

148
00:06:24,259 --> 00:06:27,889
samples of water and sand in plastic

149
00:06:26,600 --> 00:06:30,050
bottles that are covered so you can't

150
00:06:27,889 --> 00:06:31,399
see what's in them no the dowsers or

151
00:06:30,050 --> 00:06:33,800
diviners would have you call them turn

152
00:06:31,399 --> 00:06:36,199
up with their bent wires or fork sticks

153
00:06:33,800 --> 00:06:38,240
and try and determine whether its water

154
00:06:36,199 --> 00:06:41,180
or sand at each sample now you were

155
00:06:38,240 --> 00:06:43,850
present at the 2001 testing yes I was

156
00:06:41,180 --> 00:06:45,560
here and I was president of 2002 testers

157
00:06:43,850 --> 00:06:48,290

I don't see you around you see me around

158

00:06:45,560 --> 00:06:50,149

there we were different tests we were

159

00:06:48,290 --> 00:06:52,280

indeed but um I've start of the video

160

00:06:50,149 --> 00:06:54,709

intently and done the protocol for this

161

00:06:52,279 --> 00:06:57,019

test and what you have to realize is

162

00:06:54,709 --> 00:06:59,359

that everything that can go wrong will

163

00:06:57,019 --> 00:07:01,339

go wrong including a dog including your

164

00:06:59,360 --> 00:07:03,319

dog that pisses on one of the samples on

165

00:07:01,339 --> 00:07:05,089

so you can see through the bag and the

166

00:07:03,319 --> 00:07:07,430

child that treads on a sample of breaks

167

00:07:05,089 --> 00:07:09,799

hidden water or sand with it to be fair

168

00:07:07,430 --> 00:07:11,449

the year you did it it was more or less

169

00:07:09,800 --> 00:07:12,860

in the open than the year I did at the

170

00:07:11,449 --> 00:07:14,930

following year we had the tennis court

171

00:07:12,860 --> 00:07:16,430

so we could keep people off we did it in

172
00:07:14,930 --> 00:07:18,170
the open it was the crowd were just

173
00:07:16,430 --> 00:07:20,360
impossible to manage they crowd around

174
00:07:18,170 --> 00:07:21,980
the diviners on the poor blokes couldn't

175
00:07:20,360 --> 00:07:24,470
get peace and quiet and they got in the

176
00:07:21,980 --> 00:07:26,420
way of everything I mean we define a

177
00:07:24,470 --> 00:07:28,880
proper area where they could stand on

178
00:07:26,420 --> 00:07:31,930
view so now we arranged to do it on the

179
00:07:28,879 --> 00:07:34,819
tennis court which is fenced off and and

180
00:07:31,930 --> 00:07:36,350
instead of beetle yeah they get privacy

181
00:07:34,819 --> 00:07:39,110
on the tennis court and people can look

182
00:07:36,350 --> 00:07:41,420
from outside the wire and that's the

183
00:07:39,110 --> 00:07:42,670
best we can do and that's what we did 11

184
00:07:41,420 --> 00:07:43,810
years ago when I film

185
00:07:42,670 --> 00:07:45,069
we had the tennis court which worked

186
00:07:43,810 --> 00:07:47,379
very well because they could have peace

187
00:07:45,069 --> 00:07:49,300
and quiet but strangely enough it didn't

188
00:07:47,379 --> 00:07:50,829
seem to aid their water divining ability

189
00:07:49,300 --> 00:07:52,810
well us that's their problem but you

190
00:07:50,829 --> 00:07:54,939
have to be fair to the diviner you have

191
00:07:52,810 --> 00:07:56,319
to give them a fair chance of a fair

192
00:07:54,939 --> 00:07:58,149
test without the crowd of the fairy

193
00:07:56,319 --> 00:08:00,459
without skeptics breathing down their

194
00:07:58,149 --> 00:08:04,269
necks if they don't want it and okay

195
00:08:00,459 --> 00:08:05,799
listen as that was a cricket map that's

196
00:08:04,269 --> 00:08:07,359
not cricket that's not no it's not

197
00:08:05,800 --> 00:08:09,040
forget just give gone away now just

198
00:08:07,360 --> 00:08:11,259
jumped on the microphone notes flown off

199
00:08:09,040 --> 00:08:13,060
into the night we're surrounded by a

200

00:08:11,259 --> 00:08:13,959
multitude of insects here we're right in

201
00:08:13,060 --> 00:08:17,139
the middle of the countryside a

202
00:08:13,959 --> 00:08:18,909
beautiful millimeter and enjoying a

203
00:08:17,139 --> 00:08:21,490
glass of wine with me of course is

204
00:08:18,910 --> 00:08:26,530
Laurie Smith hello Laurie hello Richard

205
00:08:21,490 --> 00:08:28,480
Cheers yes oh this is very Oh hmm listen

206
00:08:26,529 --> 00:08:30,279
as I wish you were here and that isn't

207
00:08:28,480 --> 00:08:32,560
enough wine for that Laurie looking

208
00:08:30,279 --> 00:08:34,209
forward to the weekend very much Richard

209
00:08:32,559 --> 00:08:37,209
we put in a lot of work but it's all

210
00:08:34,210 --> 00:08:39,220
coming to a culmination now and just

211
00:08:37,210 --> 00:08:41,229
can't wait for it to start now I had

212
00:08:39,220 --> 00:08:43,810
such a wonderful time 11 years ago when

213
00:08:41,229 --> 00:08:46,810
I was here for the last test and enjoyed

214
00:08:43,809 --> 00:08:49,389

your wonderful hospitality were you

215

00:08:46,809 --> 00:08:51,789

present the one before that do you

216

00:08:49,389 --> 00:08:53,379

before I yes yes I haven't missed a

217

00:08:51,789 --> 00:08:58,299

meadow divining challenge yet Bridget

218

00:08:53,379 --> 00:09:00,279

all three of them and of course this

219

00:08:58,299 --> 00:09:02,379

year we have some more people in tow

220

00:09:00,279 --> 00:09:04,419

with us from Sydney we have josh hi Josh

221

00:09:02,379 --> 00:09:06,519

i Richard looking you see your first

222

00:09:04,419 --> 00:09:11,019

what a divining experience I am it is

223

00:09:06,519 --> 00:09:12,370

indeed hmm well you're in for a treat oh

224

00:09:11,019 --> 00:09:14,559

you would have only been a little kid

225

00:09:12,370 --> 00:09:20,139

for the last time around oh not that

226

00:09:14,559 --> 00:09:23,349

yeah 16 or so hey a little kid Martin

227

00:09:20,139 --> 00:09:25,509

Hadley hello man hi person love well

228

00:09:23,350 --> 00:09:28,120

said I'm sitting under a wind chime as

229
00:09:25,509 --> 00:09:29,019
you are at what have you been I can't

230
00:09:28,120 --> 00:09:30,820
remember I don't think you've been

231
00:09:29,019 --> 00:09:33,429
involved in a water divining test you

232
00:09:30,820 --> 00:09:36,460
know he says my first first-timer

233
00:09:33,429 --> 00:09:38,169
another one looking forward to it but

234
00:09:36,460 --> 00:09:40,060
somebody who is an old hand at many

235
00:09:38,169 --> 00:09:41,979
things of course sitting on the other

236
00:09:40,059 --> 00:09:44,469
end of the table we're out here in the

237
00:09:41,980 --> 00:09:46,779
beautiful open here you can hear the

238
00:09:44,470 --> 00:09:50,620
crickets it's with a mouthful of steak

239
00:09:46,779 --> 00:09:54,699
Ian Bryce you were involved in a

240
00:09:50,620 --> 00:09:57,370
previous water divining test 22nd 1989

241
00:09:54,700 --> 00:09:59,920
over 20 years ago that was in Sydney

242
00:09:57,370 --> 00:10:02,740
yeah and Dick Smith was there briefly

243
00:09:59,919 --> 00:10:05,110
Dick Smith arrived in his helicopter but

244
00:10:02,740 --> 00:10:07,539
you were really a dick smith produced a

245
00:10:05,110 --> 00:10:08,830
gold nugget a gold ingot which was one

246
00:10:07,539 --> 00:10:10,839
of the things that diviners were going

247
00:10:08,830 --> 00:10:12,310
to find and I was holding it for a while

248
00:10:10,840 --> 00:10:13,690
and I looked around at the building but

249
00:10:12,309 --> 00:10:15,250
and looked at his helicopter and I

250
00:10:13,690 --> 00:10:17,110
thought I could skedaddle with this

251
00:10:15,250 --> 00:10:18,669
doggie gotta be set up for life you

252
00:10:17,110 --> 00:10:21,820
don't know how to fly a helicopter well

253
00:10:18,669 --> 00:10:23,769
that was really what could not however

254
00:10:21,820 --> 00:10:25,990
all those years ago you were involved

255
00:10:23,769 --> 00:10:28,419
with a water divining test well it

256
00:10:25,990 --> 00:10:29,680
wasn't it was water wasn't though hiding

257

00:10:28,419 --> 00:10:33,279
water under the ground yes it was

258
00:10:29,679 --> 00:10:36,129
watering large bottles in holes in the

259
00:10:33,279 --> 00:10:38,769
ground covered up with discs of glass

260
00:10:36,129 --> 00:10:40,350
and then this for plastic so you

261
00:10:38,769 --> 00:10:42,519
couldn't see what was in there and and

262
00:10:40,350 --> 00:10:44,740
the diviners were all sure they could

263
00:10:42,519 --> 00:10:46,509
they could find a bottle with the bottle

264
00:10:44,740 --> 00:10:48,100
was visible that their rods resplendent

265
00:10:46,509 --> 00:10:49,269
responded all the time if the bottle was

266
00:10:48,100 --> 00:10:51,790
covered up while they were watching it

267
00:10:49,269 --> 00:10:53,439
the rods still responded but at the

268
00:10:51,789 --> 00:10:54,879
moment it was a double-blind test where

269
00:10:53,440 --> 00:10:57,610
they no one knew where the water was

270
00:10:54,879 --> 00:10:59,350
their rods would go to a hole and

271
00:10:57,610 --> 00:11:00,759

respond to that hole then you take the

272

00:10:59,350 --> 00:11:03,670

cover off there's nothing there then

273

00:11:00,759 --> 00:11:05,169

their rods would hesitate oh and start

274

00:11:03,669 --> 00:11:07,809

turning their attention to another hole

275

00:11:05,169 --> 00:11:09,909

say the route was very revealing about

276

00:11:07,809 --> 00:11:11,529

how water divining works I think I think

277

00:11:09,909 --> 00:11:14,079

you're absolutely right so and I'm glad

278

00:11:11,529 --> 00:11:17,439

you're here to be on deck with us to aid

279

00:11:14,080 --> 00:11:19,480

our water divining activities Lori just

280

00:11:17,440 --> 00:11:22,120

coming back to you that and Steve of

281

00:11:19,480 --> 00:11:24,250

course what many people don't know is

282

00:11:22,120 --> 00:11:25,960

you can't just say we're going to have a

283

00:11:24,250 --> 00:11:28,649

water divining test turn up and say

284

00:11:25,960 --> 00:11:31,450

we'll have a go there is a lot of

285

00:11:28,649 --> 00:11:32,980

preparation and planning well I've been

286
00:11:31,450 --> 00:11:35,320
surprised by the mathematics which

287
00:11:32,980 --> 00:11:36,970
douche been involved in making toys or

288
00:11:35,320 --> 00:11:38,470
maize yeah well the mass is actually

289
00:11:36,970 --> 00:11:41,050
fairly easy when the samples are either

290
00:11:38,470 --> 00:11:43,029
water or sand so it's basically 5050

291
00:11:41,049 --> 00:11:45,849
when you get it right or not so if you

292
00:11:43,029 --> 00:11:48,039
do 20 tests it'll be a one chance in a

293
00:11:45,850 --> 00:11:50,560
million roughly to get all 20 right or

294
00:11:48,039 --> 00:11:52,059
and you can spec 10 out of 20 at random

295
00:11:50,559 --> 00:11:54,819
just sorta gets 12 out of 20 is that

296
00:11:52,059 --> 00:11:57,039
significant or would you expect that if

297
00:11:54,820 --> 00:11:59,470
you have you know 20 dividers trying it

298
00:11:57,039 --> 00:12:01,209
and the mass is actually fairly well

299
00:11:59,470 --> 00:12:03,639
defined for this but the thing is that

300
00:12:01,210 --> 00:12:06,009
this has to be explained to the diviners

301
00:12:03,639 --> 00:12:09,009
because they'll get some and say see it

302
00:12:06,009 --> 00:12:11,200
works on those ones even if they get

303
00:12:09,009 --> 00:12:13,000
8 out of 20 they'll say yes but it

304
00:12:11,200 --> 00:12:14,830
worked on those 10 spot though several

305
00:12:13,000 --> 00:12:16,960
it worked on those eight which is a

306
00:12:14,830 --> 00:12:19,389
hundred percent yeah I don't want the

307
00:12:16,960 --> 00:12:22,450
money so and of course our money is

308
00:12:19,389 --> 00:12:24,129
actually at risk is not miss on the day

309
00:12:22,450 --> 00:12:26,920
we've been very careful to say that what

310
00:12:24,129 --> 00:12:28,960
if somebody scores 18 out of 20 which is

311
00:12:26,919 --> 00:12:31,649
on giving they have several chances to

312
00:12:28,960 --> 00:12:34,690
try it that's um about a thousand to one

313
00:12:31,649 --> 00:12:36,789
we will we guarantee to invite them back

314

00:12:34,690 --> 00:12:39,100
for a second test without the crowd or

315
00:12:36,789 --> 00:12:40,929
another day with similar odds if they

316
00:12:39,100 --> 00:12:43,000
can do it again then we will award the

317
00:12:40,929 --> 00:12:45,009
prize of hundred thousand dollars plus

318
00:12:43,000 --> 00:12:48,100
ten grands phone in by yeah one of the

319
00:12:45,009 --> 00:12:49,899
locals here but our money is actually

320
00:12:48,100 --> 00:12:51,850
not at risk on the day what's at risk is

321
00:12:49,899 --> 00:12:53,409
the invitation to do a second test but

322
00:12:51,850 --> 00:12:55,540
you you really can't risk a hundred

323
00:12:53,409 --> 00:12:56,409
grand this this is the standard thing I

324
00:12:55,539 --> 00:12:58,719
mean the James Randi Educational

325
00:12:56,409 --> 00:13:01,240
Foundation have the same protocol there

326
00:12:58,720 --> 00:13:03,340
are two tests the one is to sort out do

327
00:13:01,240 --> 00:13:06,759
you actually have this ability you know

328
00:13:03,340 --> 00:13:09,639

let's have a good test but not such a

329

00:13:06,759 --> 00:13:11,649

strict test because the ultimate aim is

330

00:13:09,639 --> 00:13:13,330

we only want to test people for the

331

00:13:11,649 --> 00:13:15,189

money who can actually pass and get the

332

00:13:13,330 --> 00:13:16,870

money that really that's what we want to

333

00:13:15,190 --> 00:13:19,540

do if somebody can really do it we want

334

00:13:16,870 --> 00:13:22,029

to know and reward them very much so and

335

00:13:19,539 --> 00:13:24,389

my dad also since we incorporated in the

336

00:13:22,029 --> 00:13:27,009

last test the two undisguised

337

00:13:24,389 --> 00:13:30,549

calibration samples of water and sand

338

00:13:27,009 --> 00:13:32,169

which the diviners were invited to run

339

00:13:30,549 --> 00:13:34,539

their instruments over before the test

340

00:13:32,169 --> 00:13:36,250

there wasn't a diviner that failed to

341

00:13:34,539 --> 00:13:37,719

have a good response on the calibration

342

00:13:36,250 --> 00:13:39,429

samples but of course when it went on

343
00:13:37,720 --> 00:13:41,710
the ones with the paper bag on them the

344
00:13:39,429 --> 00:13:43,929
ability seemed to disappear yes that's

345
00:13:41,710 --> 00:13:46,930
very interesting now some years ago of

346
00:13:43,929 --> 00:13:48,159
course I made a when i was here in 2002

347
00:13:46,929 --> 00:13:50,229
i filmed the whole thing made a

348
00:13:48,159 --> 00:13:52,389
documentary about it that's on youtube

349
00:13:50,230 --> 00:13:53,710
so if listeners want to see the

350
00:13:52,389 --> 00:13:56,080
documentary from all those years ago

351
00:13:53,710 --> 00:13:58,870
just google my team it a muster water

352
00:13:56,080 --> 00:14:00,580
divining you'll easily find it and it's

353
00:13:58,870 --> 00:14:02,649
it's amazing to think after all these

354
00:14:00,580 --> 00:14:04,930
years where it sits back for well it's

355
00:14:02,649 --> 00:14:07,750
really round three isn't it of the local

356
00:14:04,929 --> 00:14:11,609
water divining tests with a big gap best

357
00:14:07,750 --> 00:14:11,610
of three rounds and so far we're two up

358
00:14:12,059 --> 00:14:16,119
well i'm looking forward to the whole

359
00:14:14,230 --> 00:14:17,170
weekend it's going to be an awful lot of

360
00:14:16,120 --> 00:14:19,060
fun i'm going to get some great

361
00:14:17,169 --> 00:14:21,129
interviews and insights running around

362
00:14:19,059 --> 00:14:22,349
the tennis court and talking to diviners

363
00:14:21,129 --> 00:14:24,779
and skeptics and media

364
00:14:22,350 --> 00:14:26,250
on the day and it's just wonderful to be

365
00:14:24,779 --> 00:14:30,079
here and enjoy the good company of some

366
00:14:26,250 --> 00:14:33,149
good friends and cheers everybody cheers

367
00:14:30,080 --> 00:14:39,930
so what a defining and if this is a

368
00:14:33,149 --> 00:14:41,909
divine invitation after a wonderful

369
00:14:39,929 --> 00:14:45,019
sleep we got up the next day on Saturday

370
00:14:41,909 --> 00:14:47,579
and went over the test setting up little

371

00:14:45,019 --> 00:14:50,129
protocols and examining the bottles were

372
00:14:47,580 --> 00:14:53,129
going to use making sure things would be

373
00:14:50,129 --> 00:14:55,169
okay on the day I think we spend the

374
00:14:53,129 --> 00:14:58,919
rest of they just chatting and having a

375
00:14:55,169 --> 00:15:01,409
good time come Saturday night we went to

376
00:14:58,919 --> 00:15:03,509
the house of Russell and Robin Kelly

377
00:15:01,409 --> 00:15:08,149
they put on for all their friends a

378
00:15:03,509 --> 00:15:08,149
country dance and a giant barbecue

379
00:15:10,360 --> 00:15:13,050
look

380
00:15:17,448 --> 00:15:20,078
water

381
00:15:28,659 --> 00:15:35,899
now in the queue here to get his lovely

382
00:15:31,909 --> 00:15:38,028
piece of beef and mixed vegetables and

383
00:15:35,899 --> 00:15:39,980
potatoes and pumpkins and all sorts of

384
00:15:38,028 --> 00:15:42,318
things that Steve Roberts Steve we went

385
00:15:39,980 --> 00:15:45,319

out to the the testing field today to

386

00:15:42,318 --> 00:15:47,870

case the joint we did indeed yes sir it

387

00:15:45,318 --> 00:15:50,628

was a tennis court at MIT emitter it's a

388

00:15:47,870 --> 00:15:52,970

bare concrete ceiling in the afternoon

389

00:15:50,629 --> 00:15:54,920

Sun it's hot isn't it the glare was so

390

00:15:52,970 --> 00:15:56,389

bad I couldn't look you know yeah at it

391

00:15:54,919 --> 00:15:59,688

so I gotta test this blind as a

392

00:15:56,389 --> 00:16:01,159

double-blind testing yeah and we got to

393

00:15:59,688 --> 00:16:03,379

be worked out where to put things and

394

00:16:01,159 --> 00:16:04,759

having going to do it tomorrow and we've

395

00:16:03,379 --> 00:16:06,319

already prepared how to do the samples

396

00:16:04,759 --> 00:16:08,600

this morning and we did a bit of a V

397

00:16:06,318 --> 00:16:10,578

hustle and get it totally organized

398

00:16:08,600 --> 00:16:11,629

because I'm tomorrow we'll be doing it

399

00:16:10,578 --> 00:16:14,058

all under the glare of the public

400
00:16:11,629 --> 00:16:15,620
untenable air of the Sun and the glee

401
00:16:14,058 --> 00:16:17,480
and the Sun and television cameras here

402
00:16:15,620 --> 00:16:18,799
and if if we have an argument it'll make

403
00:16:17,480 --> 00:16:21,589
great television so we're going to be

404
00:16:18,799 --> 00:16:23,269
careful to get all this done beforehand

405
00:16:21,589 --> 00:16:26,449
I think it's a good point to make that

406
00:16:23,269 --> 00:16:28,459
people don't realize how much work goes

407
00:16:26,448 --> 00:16:30,469
into organizing as a test of water

408
00:16:28,458 --> 00:16:31,938
diviners or any psychic test it's going

409
00:16:30,470 --> 00:16:33,110
to be fair for the dividers they're

410
00:16:31,938 --> 00:16:35,659
going to be a reasonable test that they

411
00:16:33,110 --> 00:16:38,990
can understand and that they see is fair

412
00:16:35,659 --> 00:16:40,879
to them and have a defined a different

413
00:16:38,990 --> 00:16:43,250
result definitely reach to the skeptics

414
00:16:40,879 --> 00:16:44,480
we have to part with our money you know

415
00:16:43,250 --> 00:16:45,679
in fairness to them there's got to be a

416
00:16:44,480 --> 00:16:47,389
real risk of that because of that

417
00:16:45,679 --> 00:16:50,058
there's others their payload in this

418
00:16:47,389 --> 00:16:51,649
pile is is that we can make a graph of

419
00:16:50,058 --> 00:16:53,808
results and show the random distribution

420
00:16:51,649 --> 00:16:56,269
if that's how it turns out if that's how

421
00:16:53,808 --> 00:16:58,818
it turns out oh well i think i will

422
00:16:56,269 --> 00:17:00,799
delay you no more excellent yeah the BBQ

423
00:16:58,818 --> 00:17:04,849
is ready and i'm very picky sh normal

424
00:17:00,799 --> 00:17:06,500
way normal way yeah thank you as I live

425
00:17:04,849 --> 00:17:08,538
and breathe who should we bump into in

426
00:17:06,500 --> 00:17:11,029
the BBQ in here at millimeter it's

427
00:17:08,538 --> 00:17:12,318
ratbag himself good evening rich good

428

00:17:11,029 --> 00:17:14,269
evening now you've come down here to

429
00:17:12,318 --> 00:17:15,798
take part in the water divining test two

430
00:17:14,269 --> 00:17:17,990
I certainly had look I'm really

431
00:17:15,798 --> 00:17:19,699
interested in water boiling I live on

432
00:17:17,990 --> 00:17:20,990
the top of a mountain and we're very

433
00:17:19,699 --> 00:17:22,909
short of water there I busy because all

434
00:17:20,990 --> 00:17:23,990
runs downhill and disappears ah and so

435
00:17:22,909 --> 00:17:25,429
we actually would like something to come

436
00:17:23,990 --> 00:17:27,709
up there and find water for us although

437
00:17:25,429 --> 00:17:29,059
last Saturday when it rained 140

438
00:17:27,709 --> 00:17:31,259
millimeters I don't think we need a

439
00:17:29,058 --> 00:17:34,529
divider and what have gone nuts

440
00:17:31,259 --> 00:17:36,029
I know you must remind me have you taken

441
00:17:34,529 --> 00:17:38,700
part in one of these water divining test

442
00:17:36,029 --> 00:17:40,259

before not heaven nah first-timer it's

443

00:17:38,700 --> 00:17:42,390
the first time at yes I mean I I

444

00:17:40,259 --> 00:17:44,670
remember seeing them I remember seeing

445

00:17:42,390 --> 00:17:46,380
the very first one the one that was no

446

00:17:44,670 --> 00:17:49,080
in all the rides Australian skeptics

447

00:17:46,380 --> 00:17:51,300
yeah I nineteen eighty years why back

448

00:17:49,079 --> 00:17:52,319
then you know if I was I think I don't

449

00:17:51,299 --> 00:17:55,139
even know what am i spending

450

00:17:52,319 --> 00:17:56,809
kindergarten um I'm not quite sure I

451

00:17:55,140 --> 00:17:59,430
Dibble actually remember seeing that and

452

00:17:56,809 --> 00:18:01,859
and obviously I remember the rain be one

453

00:17:59,430 --> 00:18:04,140
on the television later in the piece the

454

00:18:01,859 --> 00:18:05,309
one with Richard Cartman that so I've

455

00:18:04,140 --> 00:18:07,140
been watching it for years but never

456

00:18:05,309 --> 00:18:08,639
actually been to one you're in for quite

457
00:18:07,140 --> 00:18:10,320
an interesting experience where you

458
00:18:08,640 --> 00:18:12,450
start to meet the diviners and see them

459
00:18:10,319 --> 00:18:14,220
walking around some will get will fly

460
00:18:12,450 --> 00:18:15,660
through some will take an hour it's

461
00:18:14,220 --> 00:18:17,370
quite interesting one of the things I

462
00:18:15,660 --> 00:18:20,970
have seen my obviously just observing me

463
00:18:17,369 --> 00:18:23,129
outside diviners while we consider maybe

464
00:18:20,970 --> 00:18:25,319
that they're deluded they all seem to be

465
00:18:23,130 --> 00:18:27,900
really actually honest people they think

466
00:18:25,319 --> 00:18:30,059
they've actually got some I agree I've

467
00:18:27,900 --> 00:18:32,519
never actually met or heard of a diviner

468
00:18:30,059 --> 00:18:34,579
there's actually a crook unlike a lot of

469
00:18:32,519 --> 00:18:37,410
other people who do we were type stuff

470
00:18:34,579 --> 00:18:39,539
when I taste I know they know they're

471
00:18:37,410 --> 00:18:41,130
just why I think I think some know that

472
00:18:39,539 --> 00:18:42,629
they're out there on the take really I

473
00:18:41,130 --> 00:18:43,890
look I do that one of these with a lot

474
00:18:42,630 --> 00:18:48,450
of divine is particularly ones that work

475
00:18:43,890 --> 00:18:49,740
out in the bush it's they know if

476
00:18:48,450 --> 00:18:51,630
they've done it for years they recognize

477
00:18:49,740 --> 00:18:53,670
signs like different colors of the grass

478
00:18:51,630 --> 00:18:55,940
and so forth they might better put the

479
00:18:53,670 --> 00:18:57,930
thing right there's a form of expertise

480
00:18:55,940 --> 00:19:01,019
but of course if you do it anywhere in

481
00:18:57,930 --> 00:19:02,460
Sydney you dig deep enough Sydney sits

482
00:19:01,019 --> 00:19:04,379
on this huge block of sandstone next to

483
00:19:02,460 --> 00:19:05,700
the ocean it's full of water yeah you

484
00:19:04,380 --> 00:19:07,530
dig anywhere in Sydney dig deep enough

485

00:19:05,700 --> 00:19:09,600
you get a well that makes water if you

486
00:19:07,529 --> 00:19:12,000
do it out here in the bush generally

487
00:19:09,599 --> 00:19:13,769
these people are using observational

488
00:19:12,000 --> 00:19:17,519
skills that they may not know they have

489
00:19:13,769 --> 00:19:18,509
possibly so in the same way that some

490
00:19:17,519 --> 00:19:20,879
people can convince themselves that

491
00:19:18,509 --> 00:19:22,650
they're psychics even though they're

492
00:19:20,880 --> 00:19:24,780
doing a homework cold reading they may

493
00:19:22,650 --> 00:19:26,820
not know they're doing it just because

494
00:19:24,779 --> 00:19:28,769
they know the sort of questions to ask

495
00:19:26,819 --> 00:19:29,970
they know the sort of response as they

496
00:19:28,769 --> 00:19:32,309
get from people and they follow those

497
00:19:29,970 --> 00:19:33,538
responses along so I mean I don't I'm

498
00:19:32,309 --> 00:19:35,519
not saying that

499
00:19:33,538 --> 00:19:36,929

I think the diviners I create a

500

00:19:35,519 --> 00:19:38,970

proportional design with the Viners I

501

00:19:36,929 --> 00:19:40,979

look real and actually believe they can

502

00:19:38,970 --> 00:19:41,850

do it then the psychics do I think

503

00:19:40,979 --> 00:19:43,200

you're absolutely right and i think

504

00:19:41,849 --> 00:19:44,969

tomorrow when you meet some of them

505

00:19:43,200 --> 00:19:46,528

you'll really get that impression if

506

00:19:44,970 --> 00:19:48,298

they're anything like they were 11 years

507

00:19:46,528 --> 00:19:50,099

ago that the money of course that I know

508

00:19:48,298 --> 00:19:52,319

they will all do is about all agree in

509

00:19:50,099 --> 00:19:53,969

advance to all the conditions and at the

510

00:19:52,319 --> 00:19:56,579

end of the day I say is that I say I

511

00:19:53,970 --> 00:19:59,639

look but this was wrong it is wrong

512

00:19:56,579 --> 00:20:01,589

wrong there I'm actually glad it's not

513

00:19:59,638 --> 00:20:03,058

raining because as I said last week it

514
00:20:01,589 --> 00:20:04,648
was raining it would confuse them

515
00:20:03,058 --> 00:20:07,079
enormously collective 5.26 around

516
00:20:04,648 --> 00:20:08,969
there's water everywhere I think the

517
00:20:07,079 --> 00:20:10,319
band is striking up in the background

518
00:20:08,970 --> 00:20:11,970
over there and I think the dancing will

519
00:20:10,319 --> 00:20:16,428
start soon so Peter thank you very much

520
00:20:11,970 --> 00:20:19,229
thank you now it's done height from

521
00:20:16,429 --> 00:20:21,570
Victoria done is this your first water

522
00:20:19,229 --> 00:20:22,919
divining toaster it is indeed Richard

523
00:20:21,569 --> 00:20:25,249
and I'm really looking forward to right

524
00:20:22,919 --> 00:20:28,049
I have seen the video we think of as a

525
00:20:25,249 --> 00:20:29,579
2004 that the three thousand to two

526
00:20:28,048 --> 00:20:32,489
thousand and two so it so I've been

527
00:20:29,579 --> 00:20:34,678
prepping for this event by watching them

528
00:20:32,489 --> 00:20:37,769
the video and of course I was inspired

529
00:20:34,679 --> 00:20:40,190
by Tam last year of course we had I

530
00:20:37,769 --> 00:20:43,440
think his name was Matt and he was

531
00:20:40,190 --> 00:20:45,690
testing on stage with banner chicken

532
00:20:43,440 --> 00:20:47,639
song and I think you're up there ty was

533
00:20:45,690 --> 00:20:49,470
up there two years yes and he was

534
00:20:47,638 --> 00:20:51,508
testing a variation on the power

535
00:20:49,470 --> 00:20:53,489
wristband I think there was some sort of

536
00:20:51,509 --> 00:20:57,149
special chip or something like that in

537
00:20:53,489 --> 00:20:59,848
there and it look it was absolutely

538
00:20:57,148 --> 00:21:02,608
riveting up to about the 10th minute

539
00:20:59,848 --> 00:21:04,229
when it it was quite clear that he was

540
00:21:02,608 --> 00:21:05,878
not gonna pass I think you'll find

541
00:21:04,229 --> 00:21:09,028
tomorrow interesting because it can be a

542

00:21:05,878 --> 00:21:10,498
long day and when the water diviner

543
00:21:09,028 --> 00:21:11,700
start going but I think what you'll find

544
00:21:10,499 --> 00:21:13,169
is interesting is all the different

545
00:21:11,700 --> 00:21:15,090
techniques they have some will have

546
00:21:13,169 --> 00:21:16,320
wires some will have sticks some will do

547
00:21:15,089 --> 00:21:18,928
all sorts of things we can't even

548
00:21:16,319 --> 00:21:20,220
imagine yes indeed i'm really looking

549
00:21:18,929 --> 00:21:21,960
forward to though I mean we're going to

550
00:21:20,220 --> 00:21:23,788
have to do some serious slip slop

551
00:21:21,960 --> 00:21:26,729
slapping because we know it's going to

552
00:21:23,788 --> 00:21:28,558
be about 35 degrees tomorrow but I was

553
00:21:26,729 --> 00:21:30,778
listening to what Peter had to say

554
00:21:28,558 --> 00:21:32,668
before and what I'm really looking

555
00:21:30,778 --> 00:21:34,618
forward to is the excuses at the end of

556
00:21:32,669 --> 00:21:37,080

the day because these guys come up with

557

00:21:34,618 --> 00:21:39,449

the most amazing excuses as to why it

558

00:21:37,079 --> 00:21:41,139

didn't work but the scooters are always

559

00:21:39,450 --> 00:21:43,900

in retrospect

560

00:21:41,140 --> 00:21:45,340

you know i'm i'm not being psychic here

561

00:21:43,900 --> 00:21:47,920

by predicting that they're going to be

562

00:21:45,339 --> 00:21:49,809

excuses I'm a skeptic after all but I

563

00:21:47,920 --> 00:21:52,060

suspect they're going to be if his

564

00:21:49,809 --> 00:21:54,369

excuses say you know I suspect you're

565

00:21:52,059 --> 00:21:55,659

quite right I done big day ahead

566

00:21:54,369 --> 00:21:58,000

tomorrow I look forward to seeing you

567

00:21:55,660 --> 00:22:00,009

out there on the on the testing field

568

00:21:58,000 --> 00:22:02,430

looking forward to it Richard should be

569

00:22:00,009 --> 00:22:02,430

great dang

570

00:22:04,000 --> 00:22:16,849

autocar after another fine night's sleep

571
00:22:12,609 --> 00:22:20,029
we've got up early and breakfast drove

572
00:22:16,849 --> 00:22:22,849
down to the field the field the testing

573
00:22:20,029 --> 00:22:25,579
field the old mitten meter tennis court

574
00:22:22,849 --> 00:22:28,609
which has been converted into a netball

575
00:22:25,579 --> 00:22:30,379
core nevertheless there it was and a

576
00:22:28,609 --> 00:22:33,939
group of us arrived early to start

577
00:22:30,380 --> 00:22:33,940
setting up the day's test

578
00:22:34,419 --> 00:22:39,049
it's quarter past eight here on the date

579
00:22:37,369 --> 00:22:40,609
the big day the test right bag here we

580
00:22:39,048 --> 00:22:42,079
are ready to go with set up one of the

581
00:22:40,609 --> 00:22:45,168
tents we've got somebody sweeping the

582
00:22:42,079 --> 00:22:46,689
the field of where the testing is going

583
00:22:45,169 --> 00:22:49,309
to be and the other skeptics are busily

584
00:22:46,690 --> 00:22:51,048
getting themselves together it's going

585
00:22:49,308 --> 00:22:53,240
to be a fun day I think it's gonna be an

586
00:22:51,048 --> 00:22:55,160
excellent day the weather is fine yeah a

587
00:22:53,240 --> 00:22:56,569
bit of cloud cover we did beg of it yes

588
00:22:55,160 --> 00:22:58,160
that would just mean the sunburnt worse

589
00:22:56,569 --> 00:23:00,379
but that's right and we won't nose a

590
00:22:58,160 --> 00:23:02,210
little tomorrow but I think it's the

591
00:23:00,380 --> 00:23:03,740
perfect weather yeah it could have been

592
00:23:02,210 --> 00:23:04,940
raining which of course would be Vince

593
00:23:03,740 --> 00:23:06,380
distraction for all the dowers cuz

594
00:23:04,940 --> 00:23:09,320
they're simply say the early well that

595
00:23:06,380 --> 00:23:11,090
would be disappointing when it's a beast

596
00:23:09,319 --> 00:23:13,099
it's very easy to find rain when it won

597
00:23:11,089 --> 00:23:16,129
water when it's raining I'm looking

598
00:23:13,099 --> 00:23:17,418
forward to it because I think that yeah

599

00:23:16,130 --> 00:23:19,040
aight i haven't moved one of those

600
00:23:17,419 --> 00:23:22,220
before oh it seems yes but i've been

601
00:23:19,039 --> 00:23:23,509
following dowsing for forever and so

602
00:23:22,220 --> 00:23:24,919
I've interest to actually see how we do

603
00:23:23,509 --> 00:23:28,548
it how we run the experiment here we

604
00:23:24,919 --> 00:23:29,630
yeah and then what we find me too and

605
00:23:28,548 --> 00:23:31,429
the other skeptics are over there

606
00:23:29,630 --> 00:23:33,500
setting up yet another tent which is

607
00:23:31,429 --> 00:23:35,780
really good it's a quite a wonderful

608
00:23:33,500 --> 00:23:37,849
scene here that it's because it's the

609
00:23:35,779 --> 00:23:39,589
sun's not out yet I mean it's still hard

610
00:23:37,849 --> 00:23:41,928
week on cars it's very pleasant but

611
00:23:39,589 --> 00:23:43,428
we've got a giant shark inflatable shark

612
00:23:41,929 --> 00:23:46,640
the horses are getting ready in that

613
00:23:43,429 --> 00:23:49,309

corner over there we've got equestrian

614

00:23:46,640 --> 00:23:51,020

events being set up over there it looks

615

00:23:49,308 --> 00:23:53,089

like a really a good dive it's not just

616

00:23:51,019 --> 00:23:55,009

this it's it's a home it's a whole

617

00:23:53,089 --> 00:23:56,389

country fair is unhappy here and even

618

00:23:55,009 --> 00:23:57,950

over there we've got the old steam

619

00:23:56,390 --> 00:23:59,870

engines and I know you and Bryce our

620

00:23:57,950 --> 00:24:01,340

engineer will be very excited to go and

621

00:23:59,869 --> 00:24:03,739

see like oh I like those sort of things

622

00:24:01,339 --> 00:24:06,079

so they have those email yes at the

623

00:24:03,740 --> 00:24:07,940

Greenville fair but as you've got AG

624

00:24:06,079 --> 00:24:09,829

local group be that come in with all of

625

00:24:07,940 --> 00:24:10,970

these ancient steam engines and or sleep

626

00:24:09,829 --> 00:24:13,519

farm machinery rather than saline

627

00:24:10,970 --> 00:24:15,350

engines yeah and it's wonderful stuff

628

00:24:13,519 --> 00:24:17,150

I'm fascinated by the big shark slide

629

00:24:15,349 --> 00:24:19,159

right over these sharks I've never seen

630

00:24:17,150 --> 00:24:20,809

such a big inflatable shark in mind no

631

00:24:19,160 --> 00:24:22,160

I'm just as a point of it now they won't

632

00:24:20,808 --> 00:24:24,740

let me the jumping castle for the too

633

00:24:22,160 --> 00:24:26,390

tall I just hope that I'm not too tall

634

00:24:24,740 --> 00:24:31,849

to go on the sliding on the Sharks lied

635

00:24:26,390 --> 00:24:33,860

because I make my day well as we thought

636

00:24:31,849 --> 00:24:35,569

Ian Bryce there are a couple of diviners

637

00:24:33,859 --> 00:24:37,189

showed up very early and having a chat

638

00:24:35,569 --> 00:24:40,490

to us and they were telling you some of

639

00:24:37,190 --> 00:24:41,690

their concerns yes indeed when problem

640

00:24:40,490 --> 00:24:44,630

is that there are two different types of

641

00:24:41,690 --> 00:24:46,940

sand apparently there's river sand which

642
00:24:44,630 --> 00:24:47,720
has got minerals in it which metal rods

643
00:24:46,940 --> 00:24:50,900
risk

644
00:24:47,720 --> 00:24:55,610
and there's fricke sand which is washed

645
00:24:50,900 --> 00:24:57,409
free of all minerals and only wooden

646
00:24:55,609 --> 00:24:58,849
rods respond to that so there's two

647
00:24:57,409 --> 00:25:00,440
different thing that's good to know so

648
00:24:58,849 --> 00:25:01,759
that's the other sub and what was the

649
00:25:00,440 --> 00:25:04,279
other concern something to do with the

650
00:25:01,759 --> 00:25:06,319
metal poles thought if you've heard of

651
00:25:04,279 --> 00:25:10,519
spontaneous human combustion I'm sure I

652
00:25:06,319 --> 00:25:11,839
have well that's if you calculate you'll

653
00:25:10,519 --> 00:25:13,308
find out the third of the body burns

654
00:25:11,839 --> 00:25:16,158
away and that because the third of the

655
00:25:13,308 --> 00:25:18,139
body consists of static electricity that

656

00:25:16,159 --> 00:25:21,200
interferes with divine is this what one

657
00:25:18,140 --> 00:25:23,299
of them just told he is she okay well

658
00:25:21,200 --> 00:25:24,830
you know I cut this is better than I

659
00:25:23,298 --> 00:25:26,029
could imagine because it's normally at

660
00:25:24,829 --> 00:25:29,210
the end of the day we hear all these

661
00:25:26,029 --> 00:25:31,158
wonderful new theories and excuses but

662
00:25:29,210 --> 00:25:33,048
this coming thick and fast already the

663
00:25:31,159 --> 00:25:34,909
problem is here that we're in a tennis

664
00:25:33,048 --> 00:25:36,259
court of the metal fence yeah and if

665
00:25:34,909 --> 00:25:38,450
some of those poles go down too far

666
00:25:36,259 --> 00:25:41,450
enough to enter to connect with the

667
00:25:38,450 --> 00:25:43,370
electrical earth of the planet the metal

668
00:25:41,450 --> 00:25:45,200
interfere with the divining rods see

669
00:25:43,369 --> 00:25:47,119
it's amazing divining works at all the

670
00:25:45,200 --> 00:25:52,819

innocent so many things can go wrong

671

00:25:47,119 --> 00:25:55,989

everything from joe rob one of the tasks

672

00:25:52,819 --> 00:25:59,750

on the day was to run down to the river

673

00:25:55,990 --> 00:26:02,058

with lots of two liter milk bottles

674

00:25:59,750 --> 00:26:06,009

plastic milk bottles and fill them up

675

00:26:02,058 --> 00:26:06,009

with meeting meter river water

676

00:26:06,440 --> 00:26:13,460

come with Steve Roberts and his little

677

00:26:08,839 --> 00:26:16,759

green wagon and put walking down from

678

00:26:13,460 --> 00:26:19,069

the tennis court the netball court quite

679

00:26:16,759 --> 00:26:21,558

a distance actually down to the river so

680

00:26:19,069 --> 00:26:23,450

we need to use fresh river water Steve

681

00:26:21,558 --> 00:26:25,490

yes from the foaming waters of the

682

00:26:23,450 --> 00:26:27,519

middle river which is here somewhere

683

00:26:25,490 --> 00:26:29,990

because we can find it it's a river

684

00:26:27,519 --> 00:26:32,388

walking down a path their campus here

685
00:26:29,990 --> 00:26:35,298
look these people camping here for the

686
00:26:32,388 --> 00:26:37,548
show but it can be near the river yeah

687
00:26:35,298 --> 00:26:39,048
this might be a way down here there's

688
00:26:37,548 --> 00:26:41,750
the river look at that the flowing

689
00:26:39,048 --> 00:26:45,940
waters are foaming your course foamy of

690
00:26:41,750 --> 00:26:45,940
course that looks very very pleasant

691
00:26:47,628 --> 00:26:52,168
upon our return from the river and once

692
00:26:50,069 --> 00:26:54,990
we set the bottles out on the court to

693
00:26:52,169 --> 00:26:56,879
to inspect them we noticed that there

694
00:26:54,990 --> 00:26:58,649
was a lot of condensation on the outside

695
00:26:56,878 --> 00:27:00,359
of the bottles this could be a problem

696
00:26:58,648 --> 00:27:03,778
as the bottles were going to be wrapped

697
00:27:00,359 --> 00:27:06,209
up in cloth bags luckily the bottles

698
00:27:03,778 --> 00:27:09,298
didn't stay wet for long and dried out

699

00:27:06,210 --> 00:27:11,069

very nicely in the Sun before long it

700

00:27:09,298 --> 00:27:15,648

was time for Steve Roberts to begin the

701

00:27:11,069 --> 00:27:15,648

briefing for the gathered water diviners

702

00:27:16,009 --> 00:27:21,500

and they're the same as the other

703

00:27:17,509 --> 00:27:23,839

samples and we asked you divine these

704

00:27:21,500 --> 00:27:26,029

for successfully and there's a space on

705

00:27:23,839 --> 00:27:27,829

the sheet for doing that to make sure

706

00:27:26,029 --> 00:27:30,440

your odds and techniques are working

707

00:27:27,829 --> 00:27:31,549

then you divine the other samples one of

708

00:27:30,440 --> 00:27:33,410

us will follow you around with a

709

00:27:31,549 --> 00:27:35,359

clipboard and try not get in the way so

710

00:27:33,410 --> 00:27:37,670

if you want them to step back a meter or

711

00:27:35,359 --> 00:27:38,839

so that's fine or be off the court all

712

00:27:37,670 --> 00:27:40,789

together or whatever but let me lots of

713

00:27:38,839 --> 00:27:43,309
people in the court and as you go around

714
00:27:40,789 --> 00:27:44,509
you say if its water or sand was good of

715
00:27:43,309 --> 00:27:47,179
a technique you got up and we run it

716
00:27:44,509 --> 00:27:49,309
down on the on the form here we keep a

717
00:27:47,180 --> 00:27:51,799
copy there it's you get to keep so you

718
00:27:49,309 --> 00:27:53,179
have to record it for yourself and none

719
00:27:51,799 --> 00:27:56,869
of us know whether these samples of

720
00:27:53,180 --> 00:27:58,370
water or sand at all i know about for

721
00:27:56,869 --> 00:28:02,629
them and he does about for them that's

722
00:27:58,369 --> 00:28:04,639
about it and after you've all been round

723
00:28:02,630 --> 00:28:06,650
to your satisfaction will close the toil

724
00:28:04,640 --> 00:28:09,470
for will close that trial and be about

725
00:28:06,650 --> 00:28:11,600
an hour and then we reveal what's in all

726
00:28:09,470 --> 00:28:12,920
the samples we can go around again

727
00:28:11,599 --> 00:28:14,659

fairly quickly then we get them all back

728

00:28:12,920 --> 00:28:16,640

in again randomized again put them on

729

00:28:14,660 --> 00:28:18,710

out again and do the whole test again

730

00:28:16,640 --> 00:28:22,240

can we do that many times doing the days

731

00:28:18,710 --> 00:28:25,960

that probably about once an hour okay

732

00:28:22,240 --> 00:28:25,960

that's really about it

733

00:28:26,039 --> 00:28:32,549

so off the diviners went eager to see if

734

00:28:29,819 --> 00:28:35,309

they could be the first to pass our

735

00:28:32,549 --> 00:28:36,690

divining test it's getting very warm out

736

00:28:35,309 --> 00:28:38,399

there on the lieutenant scored the

737

00:28:36,690 --> 00:28:42,090

netball court but the diviners went out

738

00:28:38,400 --> 00:28:45,960

accompanied by a scorekeeper one by one

739

00:28:42,089 --> 00:28:49,949

they went around the 20 bottles of water

740

00:28:45,960 --> 00:28:52,049

or sand some had water some head sand it

741

00:28:49,950 --> 00:28:53,970

will randomize sir nobody knew what was

742
00:28:52,049 --> 00:28:55,740
what I caught up with one of the

743
00:28:53,970 --> 00:28:59,009
diviners after they'd finished their

744
00:28:55,740 --> 00:29:01,289
test we just had one of the Viner

745
00:28:59,009 --> 00:29:02,640
finished and what do you think of the

746
00:29:01,289 --> 00:29:04,710
conditions today you're happy yeah

747
00:29:02,640 --> 00:29:06,540
excellent and I saw you going out there

748
00:29:04,710 --> 00:29:09,350
look like you were getting some positive

749
00:29:06,539 --> 00:29:11,970
feedback so you think you did ok yep yep

750
00:29:09,349 --> 00:29:14,969
if you ever taken partner divining test

751
00:29:11,970 --> 00:29:17,309
before no no no first on first time yep

752
00:29:14,970 --> 00:29:19,500
all the best to you yep best part of an

753
00:29:17,309 --> 00:29:21,450
hour into the test of the court is full

754
00:29:19,500 --> 00:29:22,950
of diviners and helpers and skeptics how

755
00:29:21,450 --> 00:29:24,630
do you think it's going to a wonderful

756
00:29:22,950 --> 00:29:27,000
so we're about half an hour mean there's

757
00:29:24,630 --> 00:29:29,700
65 diviners on the courts spread evenly

758
00:29:27,000 --> 00:29:31,200
of all the samples we've gotta help out

759
00:29:29,700 --> 00:29:32,970
with each one's a film for that open

760
00:29:31,200 --> 00:29:34,440
email very smooth it's going very smooth

761
00:29:32,970 --> 00:29:36,410
very smoothly you put a lot of Simon's

762
00:29:34,440 --> 00:29:38,610
preparing this organizing it and

763
00:29:36,410 --> 00:29:40,470
catering for possible excuses to some

764
00:29:38,609 --> 00:29:42,449
extent look I'm looking though chum but

765
00:29:40,470 --> 00:29:44,009
yeah we've done what we can and you

766
00:29:42,450 --> 00:29:46,830
finish the diviners it so it's a good

767
00:29:44,009 --> 00:29:50,180
fair test they get a fair go and we'll

768
00:29:46,829 --> 00:29:50,179
see if anyone's opinion can do it

769
00:29:50,609 --> 00:29:54,569
one of the interesting things for me

770

00:29:52,619 --> 00:29:56,489
watching this and taking part as a

771
00:29:54,569 --> 00:29:58,919
scrutineer and various other activities

772
00:29:56,490 --> 00:30:01,640
was to see the different methods water

773
00:29:58,920 --> 00:30:04,650
diviners used in order to detect water

774
00:30:01,640 --> 00:30:07,620
when he used the traditional wire pole

775
00:30:04,650 --> 00:30:10,410
bent wire rod some you stick some use

776
00:30:07,619 --> 00:30:12,709
many sticks one guy used a cricket ball

777
00:30:10,410 --> 00:30:15,269
on the end of a long bit of string

778
00:30:12,710 --> 00:30:18,720
rocking back and forth another man used

779
00:30:15,269 --> 00:30:20,789
a six-sided dice on the end of a string

780
00:30:18,720 --> 00:30:22,289
I think was made out of the dust has

781
00:30:20,789 --> 00:30:26,460
made out of brass or something like that

782
00:30:22,289 --> 00:30:32,928
as a pendulum all sorts of things going

783
00:30:26,460 --> 00:30:36,750
on while I'm on the court now it's about

784
00:30:32,929 --> 00:30:39,330

three left in this round three two water

785

00:30:36,750 --> 00:30:41,759
diviners left I just don't want to

786

00:30:39,329 --> 00:30:43,859
disturb their concentration so each

787

00:30:41,759 --> 00:30:47,220
diviner is walking around putting their

788

00:30:43,859 --> 00:30:48,899
divining rods over the bottle of water

789

00:30:47,220 --> 00:30:51,210
which is covered with a bag so we don't

790

00:30:48,900 --> 00:30:53,250
know whether the water has sand or we

791

00:30:51,210 --> 00:30:56,610
don't know if the bag the box the bottle

792

00:30:53,250 --> 00:30:58,200
at sound of water and right now a

793

00:30:56,609 --> 00:31:00,869
diviner has got his divining rod over a

794

00:30:58,200 --> 00:31:04,039
bag and he's just concentrating and

795

00:31:00,869 --> 00:31:08,459
he'll tell the scrutineer what it is

796

00:31:04,039 --> 00:31:12,918
sandy says and that was number 19 so

797

00:31:08,460 --> 00:31:16,079
pretty soon this round will be over and

798

00:31:12,919 --> 00:31:20,009
we will reveal the contents of all the

799
00:31:16,079 --> 00:31:22,558
boxes and the bottles and see who scored

800
00:31:20,009 --> 00:31:24,599
what you think that there are it isn't

801
00:31:22,558 --> 00:31:25,619
so we have another another diviner has

802
00:31:24,599 --> 00:31:28,019
finished what did you think of the

803
00:31:25,619 --> 00:31:29,428
conditions out there today I love to bed

804
00:31:28,019 --> 00:31:32,308
is what there is actually wore for

805
00:31:29,429 --> 00:31:33,960
underneath those under the ground here

806
00:31:32,308 --> 00:31:35,308
because it's all riverbeds right Morse

807
00:31:33,960 --> 00:31:37,679
oaks and riverbeds but i think we

808
00:31:35,308 --> 00:31:39,450
donated for that when your device also

809
00:31:37,679 --> 00:31:41,580
don't know what we had look at the court

810
00:31:39,450 --> 00:31:43,679
before we started so i knew pretty well

811
00:31:41,579 --> 00:31:46,079
where they were but things vibe back

812
00:31:43,679 --> 00:31:49,200
away from the sample hmm and moved one

813
00:31:46,079 --> 00:31:52,349
side there's every likelihood i'll pick

814
00:31:49,200 --> 00:31:54,210
there i'll pick the so called the string

815
00:31:52,349 --> 00:31:55,859
that's correct right cool aberration

816
00:31:54,210 --> 00:31:57,779
little generally speaking do you think

817
00:31:55,859 --> 00:32:00,629
you got a good reaction on the samples

818
00:31:57,779 --> 00:32:02,428
that were water yeah yeah but it's not

819
00:32:00,630 --> 00:32:03,450
sort of the sort of thing we're looking

820
00:32:02,429 --> 00:32:06,269
for women do

821
00:32:03,450 --> 00:32:08,399
buying a stagnant water yeah well did

822
00:32:06,269 --> 00:32:12,480
you have any problems of the calibration

823
00:32:08,398 --> 00:32:14,398
ones we 9y we'll just pick them up and

824
00:32:12,480 --> 00:32:16,079
just rotate around it but the thing is

825
00:32:14,398 --> 00:32:18,178
it will do the same thing to minerals

826
00:32:16,079 --> 00:32:21,028
okay so that's why I'm actually using

827

00:32:18,179 --> 00:32:22,889
their that one as well you've got what's

828
00:32:21,028 --> 00:32:25,048
this one here that looks very green a

829
00:32:22,888 --> 00:32:26,939
green fork stick that's what will I will

830
00:32:25,048 --> 00:32:28,500
oh ok that's very does it won't break if

831
00:32:26,940 --> 00:32:33,750
you know the stick you've got over there

832
00:32:28,500 --> 00:32:35,669
oh I ones old ones yeah yeah I reckon I

833
00:32:33,750 --> 00:32:37,500
can break those yeah that one's this

834
00:32:35,669 --> 00:32:39,690
one's really lexical yeah yeah willow is

835
00:32:37,500 --> 00:32:42,359
very flexible gum tree will shatter yeah

836
00:32:39,690 --> 00:32:44,759
if you get a good to Eddie good string

837
00:32:42,359 --> 00:32:47,099
the gum tree will pull around trying to

838
00:32:44,759 --> 00:32:48,929
cool itself around in a circle and in

839
00:32:47,099 --> 00:32:51,990
the process of a break because it's not

840
00:32:48,929 --> 00:32:54,210
very good and attention Wow I'd like to

841
00:32:51,990 --> 00:32:56,548

see that that must be spectacular yeah

842

00:32:54,210 --> 00:32:58,259
you can do it then I can tell you

843

00:32:56,548 --> 00:33:00,298
anything I tried a couple of hours but

844

00:32:58,259 --> 00:33:01,888
yet there are very brittle pieces yeah i

845

00:33:00,298 --> 00:33:04,528
think the timber yeah it'll it'll

846

00:33:01,888 --> 00:33:07,648
shatter i think i think you're over 21 a

847

00:33:04,528 --> 00:33:10,259
while ago just watch said someone oh

848

00:33:07,648 --> 00:33:12,869
well I can see it's in full swing so

849

00:33:10,259 --> 00:33:14,548
yeah thnkx isn't a girl it shouldn't

850

00:33:12,869 --> 00:33:16,739
take too much longer but a no then we

851

00:33:14,548 --> 00:33:20,569
can have scatter Miranda gained have

852

00:33:16,740 --> 00:33:22,798
another guy yeah all the best oh

853

00:33:20,569 --> 00:33:26,220
finally after a couple of hours the

854

00:33:22,798 --> 00:33:28,259
first round was over skeptics went on to

855

00:33:26,220 --> 00:33:31,019
the tennis court and took out all the

856
00:33:28,259 --> 00:33:32,819
bottles from their bags and laid them on

857
00:33:31,019 --> 00:33:35,849
top of the tennis court so everybody

858
00:33:32,819 --> 00:33:38,939
could see which had water and which had

859
00:33:35,849 --> 00:33:40,230
sand after that all the water diviners

860
00:33:38,940 --> 00:33:44,070
hurried onto the course

861
00:33:40,230 --> 00:33:45,298
to check their scores so it's all over

862
00:33:44,069 --> 00:33:47,428
for the first round in any way and

863
00:33:45,298 --> 00:33:49,889
you're going around now double checking

864
00:33:47,429 --> 00:33:54,030
since we've revealed where everything is

865
00:33:49,890 --> 00:33:57,720
how are you going so far about 5050 so

866
00:33:54,029 --> 00:33:58,918
I'm hoping to improve on the last bit so

867
00:33:57,720 --> 00:34:00,390
you've checked about half of them now

868
00:33:58,919 --> 00:34:02,490
and yeah we're wandering around we can

869
00:34:00,390 --> 00:34:04,980
clearly see water or soda water or sand

870
00:34:02,490 --> 00:34:06,240
yes but I couldn't help but overhearing

871
00:34:04,980 --> 00:34:09,240
you just want to beat your husband is

872
00:34:06,240 --> 00:34:11,280
that right that's exactly we're a bit

873
00:34:09,239 --> 00:34:14,158
competitive firstly yeah well you never

874
00:34:11,280 --> 00:34:18,510
know you might yeah I'd like to Google

875
00:34:14,159 --> 00:34:21,000
I'll let you know if I do at the

876
00:34:18,510 --> 00:34:23,340
scrutineers table Steve Roberts how is

877
00:34:21,000 --> 00:34:24,869
it going oh pretty good somebody got 13

878
00:34:23,340 --> 00:34:27,119
but I mean that's what you expect at

879
00:34:24,869 --> 00:34:30,240
random if you test enough people so

880
00:34:27,119 --> 00:34:33,510
we've got a 12 1280 13 so so far you're

881
00:34:30,239 --> 00:34:36,148
just copying the marks out they're gonna

882
00:34:33,510 --> 00:34:38,700
all having to go on the cordless phone

883
00:34:36,148 --> 00:34:40,049
was out again I feel fairly soon when

884

00:34:38,699 --> 00:34:41,460
they're when they finished on the court

885
00:34:40,050 --> 00:34:43,649
and they were at peace you know will ya

886
00:34:41,460 --> 00:34:47,250
spec them all up and up some of that

887
00:34:43,648 --> 00:34:48,750
again carry on thank you rather scores

888
00:34:47,250 --> 00:34:52,320
have been tallied at the end of the

889
00:34:48,750 --> 00:34:55,889
first round and I note that two out of

890
00:34:52,320 --> 00:35:00,150
16 got a score of 13 out of 20 the rest

891
00:34:55,889 --> 00:35:04,829
are ranging from there's a 7 8 9 10 11

892
00:35:00,150 --> 00:35:06,900
12 and 13 and very evenly very evenly

893
00:35:04,829 --> 00:35:10,319
distributed we're just going to make up

894
00:35:06,900 --> 00:35:12,829
a bell curve and get stuck into round

895
00:35:10,320 --> 00:35:15,170
two if you have a texture color time

896
00:35:12,829 --> 00:35:16,940
well once the results would put up on

897
00:35:15,170 --> 00:35:19,789
the board for all to see the diviners

898
00:35:16,940 --> 00:35:22,130

took a great interest in this and they

899

00:35:19,789 --> 00:35:25,489

could also see that nobody had got even

900

00:35:22,130 --> 00:35:28,729

close to showing any divining ability

901

00:35:25,489 --> 00:35:31,759

I'm pleased to say most of them took it

902

00:35:28,728 --> 00:35:36,828

here very well and decided to have

903

00:35:31,759 --> 00:35:39,019

another go in the next round and now

904

00:35:36,829 --> 00:35:41,959

it's round two and once again we venture

905

00:35:39,018 --> 00:35:45,828

onto this country tennis court or

906

00:35:41,958 --> 00:35:47,748

netball court has been turned into and a

907

00:35:45,829 --> 00:35:49,249

lot of diviners are back for a second go

908

00:35:47,748 --> 00:35:53,028

a lot of new diviners has showed up this

909

00:35:49,248 --> 00:35:54,318

afternoon and is about six or seven on

910

00:35:53,028 --> 00:35:56,150

the court at the moment with their

911

00:35:54,318 --> 00:35:58,670

scrutineers walking around concentrating

912

00:35:56,150 --> 00:36:00,910

this ladies using a fork stick a classic

913
00:35:58,670 --> 00:36:03,979
stick two women are one woman has a

914
00:36:00,909 --> 00:36:05,889
like a bent coat hanger I think another

915
00:36:03,978 --> 00:36:08,088
guy over there's got two metal rods

916
00:36:05,889 --> 00:36:11,179
what's this person over here is a little

917
00:36:08,088 --> 00:36:12,650
boy here with two metal rods and another

918
00:36:11,179 --> 00:36:14,808
diviner with two metal rods so we're

919
00:36:12,650 --> 00:36:18,349
getting a bit of a getting a bit of a

920
00:36:14,809 --> 00:36:19,910
mixture today there wasn't too much

921
00:36:18,349 --> 00:36:21,920
complaining about the results of the

922
00:36:19,909 --> 00:36:24,768
first trial although somebody said that

923
00:36:21,920 --> 00:36:26,088
if the sand has water in it then that

924
00:36:24,768 --> 00:36:27,828
would throw off his water divining

925
00:36:26,088 --> 00:36:30,858
ability to be honest we expecting to

926
00:36:27,829 --> 00:36:36,709
hear some interesting excuses during the

927
00:36:30,858 --> 00:36:38,989
course of the day I was delighted to see

928
00:36:36,708 --> 00:36:41,868
dr. crew see Wilson the roving reporter

929
00:36:38,989 --> 00:36:44,208
for the skeptic zone turn up to look at

930
00:36:41,869 --> 00:36:46,369
the tests and she did a lot of the

931
00:36:44,208 --> 00:36:48,259
publicity a lot of the media work in

932
00:36:46,369 --> 00:36:54,940
promoting the my team into master water

933
00:36:48,259 --> 00:36:57,920
divining test Chrissy Wilson hello hello

934
00:36:54,940 --> 00:36:59,749
wow it's so hot it is it's getting

935
00:36:57,920 --> 00:37:01,159
hotter and hotter come back you into the

936
00:36:59,748 --> 00:37:03,528
show you'd suspect er now you've been

937
00:37:01,159 --> 00:37:04,818
having a chat with some of the diviners

938
00:37:03,528 --> 00:37:07,548
what have they been telling you the

939
00:37:04,818 --> 00:37:10,940
whiners did you see the Freudian

940
00:37:07,548 --> 00:37:13,278
selective everyone's you said whiners I

941

00:37:10,940 --> 00:37:15,469
said the fine folks you can play it back

942
00:37:13,278 --> 00:37:17,659
and here it is over yeah um yeah we've

943
00:37:15,469 --> 00:37:21,318
had two guys now

944
00:37:17,659 --> 00:37:25,250
and some of them have expressed to me

945
00:37:21,318 --> 00:37:26,889
some reasons why they haven't done as

946
00:37:25,250 --> 00:37:30,500
well as I thought they would do

947
00:37:26,889 --> 00:37:32,598
apparently there's minerals and sand and

948
00:37:30,500 --> 00:37:35,059
the rods are picking up the minerals in

949
00:37:32,599 --> 00:37:37,640
the sound so we should have used flour

950
00:37:35,059 --> 00:37:40,130
Wow yeah apparently that's that's where

951
00:37:37,639 --> 00:37:42,798
we've gone wrong and so we should have

952
00:37:40,130 --> 00:37:45,349
had flower I'm going to say I mean

953
00:37:42,798 --> 00:37:47,449
they're all very sincere people they're

954
00:37:45,349 --> 00:37:50,119
not here to make a fast buck they're not

955
00:37:47,449 --> 00:37:52,189

they're not you know charlatans they are

956

00:37:50,119 --> 00:37:53,930

genuine nice nice i can i get an

957

00:37:52,190 --> 00:37:56,659

impression absolutely and take it very

958

00:37:53,929 --> 00:37:58,250

very serious yes very seriously and we

959

00:37:56,659 --> 00:37:59,480

can we're seeing half the court at the

960

00:37:58,250 --> 00:38:01,659

moment as we speak from this to the

961

00:37:59,480 --> 00:38:03,650

vantage point and look at him go looking

962

00:38:01,659 --> 00:38:05,118

concentration he stepping on yeah that

963

00:38:03,650 --> 00:38:07,220

that chap in the far corner though

964

00:38:05,119 --> 00:38:09,619

that's that's and expecting a couple of

965

00:38:07,219 --> 00:38:12,529

times so lovely blown actually very

966

00:38:09,619 --> 00:38:14,420

genuine and and your mum had a guy my

967

00:38:12,530 --> 00:38:18,289

mom had to go I'm terrified she's gonna

968

00:38:14,420 --> 00:38:19,818

get like 18 or 20 19 20 she was holding

969

00:38:18,289 --> 00:38:21,380

up proceedings though because she was

970
00:38:19,818 --> 00:38:24,288
Jen that this is embarrassing but she

971
00:38:21,380 --> 00:38:27,380
was genuinely genuinely waiting to get a

972
00:38:24,289 --> 00:38:30,170
real identifying a huge was not a bikini

973
00:38:27,380 --> 00:38:33,019
stop working that um just guess it's not

974
00:38:30,170 --> 00:38:35,240
real but yeah it's gonna be a Larry as

975
00:38:33,019 --> 00:38:36,528
it turns out that she's got she go to

976
00:38:35,239 --> 00:38:38,000
school and that would be that would be

977
00:38:36,528 --> 00:38:40,190
right but it's a fantastically

978
00:38:38,000 --> 00:38:42,710
successful event oh it's wonderful the

979
00:38:40,190 --> 00:38:44,750
only brilliant job being is it's just

980
00:38:42,710 --> 00:38:46,010
hot it's really hot and it's a lot of

981
00:38:44,750 --> 00:38:47,358
heat coming off the tennis court so I'm

982
00:38:46,010 --> 00:38:49,940
running around making sure skeptics are

983
00:38:47,358 --> 00:38:52,219
got though water and sunscreen on well

984
00:38:49,940 --> 00:38:55,240
maybe all this added moisture is going

985
00:38:52,219 --> 00:38:58,750
to be interfering with Logan's my DS

986
00:38:55,239 --> 00:39:02,118
we're doing running in rivers of sweat

987
00:38:58,750 --> 00:39:04,250
maybe that's going to be a confounding

988
00:39:02,119 --> 00:39:07,298
variable in result here comes our old

989
00:39:04,250 --> 00:39:07,298
friend the helicopter yeah

990
00:39:07,789 --> 00:39:14,369
take what you can hear now is me marking

991
00:39:11,880 --> 00:39:16,559
some of the scorecards crosses or ticks

992
00:39:14,369 --> 00:39:20,150
either they got it right will they go

993
00:39:16,559 --> 00:39:23,989
wrong this process went on for some time

994
00:39:20,150 --> 00:39:23,990
tick tick

995
00:39:26,949 --> 00:39:30,879
after looking at the scores from the

996
00:39:28,809 --> 00:39:36,070
second round I had a word to our

997
00:39:30,880 --> 00:39:38,230
statistician Ian Bryce we should move

998

00:39:36,070 --> 00:39:40,480
into the stage guys it was shady and

999
00:39:38,230 --> 00:39:43,929
Bryce and I just noticed that you are

1000
00:39:40,480 --> 00:39:45,849
looking at the histogram and it's more

1001
00:39:43,929 --> 00:39:48,039
or less going along the lines of the

1002
00:39:45,849 --> 00:39:50,530
classic belper wouldn't you say yes it

1003
00:39:48,039 --> 00:39:52,570
is the highest point is nine which is

1004
00:39:50,530 --> 00:39:54,790
very close to 10 with in statistical

1005
00:39:52,570 --> 00:39:56,349
variation yeah and the first round we

1006
00:39:54,789 --> 00:39:58,719
colored in in black and the second run

1007
00:39:56,349 --> 00:40:00,400
recovered Calladine in red and you can

1008
00:39:58,719 --> 00:40:02,169
see that the more points we get the more

1009
00:40:00,400 --> 00:40:03,730
it approximates to a bell curve it's

1010
00:40:02,170 --> 00:40:07,389
looking that way the highest score so

1011
00:40:03,730 --> 00:40:09,130
far is 15 which is interesting but still

1012
00:40:07,389 --> 00:40:10,809

within what you would expect given the

1013

00:40:09,130 --> 00:40:13,630

more and more contestants we have coming

1014

00:40:10,809 --> 00:40:15,730

through that's right yes it's not that

1015

00:40:13,630 --> 00:40:17,108

easy to explain to someone that although

1016

00:40:15,730 --> 00:40:18,429

they've got the highest score on the day

1017

00:40:17,108 --> 00:40:19,989

it's still below chance because they

1018

00:40:18,429 --> 00:40:23,739

want to go home saying they the champion

1019

00:40:19,989 --> 00:40:25,358

Devon oh that's very difficult one to

1020

00:40:23,739 --> 00:40:26,858

answer probably how many people have we

1021

00:40:25,358 --> 00:40:29,650

had food can you remember how many

1022

00:40:26,858 --> 00:40:32,409

people have we had do we know 16 and 20

1023

00:40:29,650 --> 00:40:35,410

roughly speaking so 36 today but they've

1024

00:40:32,409 --> 00:40:36,879

been repeats oh well yes you half of the

1025

00:40:35,409 --> 00:40:39,190

second group I'd say we're repeating

1026

00:40:36,880 --> 00:40:40,300

other gops and we're waiting now for a

1027
00:40:39,190 --> 00:40:42,159
little break and then we'll have another

1028
00:40:40,300 --> 00:40:43,869
round yes looking forward I can see the

1029
00:40:42,159 --> 00:40:47,009
Bach the the bottles were already laid

1030
00:40:43,869 --> 00:40:50,039
out ready to go yes indeed

1031
00:40:47,010 --> 00:40:54,180
I caught up with an interesting diviner

1032
00:40:50,039 --> 00:41:00,190
who earlier in the day had divined diet

1033
00:40:54,179 --> 00:41:02,889
coke hmm I asked him about his procedure

1034
00:41:00,190 --> 00:41:06,050
I'm with the water diviner here who

1035
00:41:02,889 --> 00:41:08,960
Divine's diet coke is that true well

1036
00:41:06,050 --> 00:41:10,580
every object has a serial number and I'm

1037
00:41:08,960 --> 00:41:12,679
not too sure what you came up with what

1038
00:41:10,579 --> 00:41:16,610
was it Lori and bad luck like was about

1039
00:41:12,679 --> 00:41:19,190
17 or ever do what's water quarter seven

1040
00:41:16,610 --> 00:41:23,030
survey the serial number of orders 7 as

1041
00:41:19,190 --> 00:41:25,099
well as copper so you can't really get

1042
00:41:23,030 --> 00:41:27,380
them confused because then at the end of

1043
00:41:25,099 --> 00:41:29,539
the rotations that pulls in a different

1044
00:41:27,380 --> 00:41:31,099
direction the courts water is a

1045
00:41:29,539 --> 00:41:33,259
different direction to copper they tell

1046
00:41:31,099 --> 00:41:35,449
you distinguish them all right so I knew

1047
00:41:33,260 --> 00:41:38,540
how to go out here earlier today or only

1048
00:41:35,449 --> 00:41:40,609
one or twice I've had two games how did

1049
00:41:38,539 --> 00:41:43,099
you go not all that successful I'm not

1050
00:41:40,610 --> 00:41:46,940
used to it convened you know

1051
00:41:43,099 --> 00:41:50,089
space but in the open area for a divine

1052
00:41:46,940 --> 00:41:52,220
over large acres I do a lot of Merit

1053
00:41:50,090 --> 00:41:55,010
binding between states even and then go

1054
00:41:52,219 --> 00:41:58,329
to the side and do the survey on site

1055

00:41:55,010 --> 00:42:01,940
which would take an hour or more hmm

1056
00:41:58,329 --> 00:42:04,039
then that's when the the pendulum comes

1057
00:42:01,940 --> 00:42:06,200
in handy because then you can then find

1058
00:42:04,039 --> 00:42:09,469
whether there is water underneath if it

1059
00:42:06,199 --> 00:42:11,329
doesn't supreme seven times and Paul

1060
00:42:09,469 --> 00:42:14,029
northwest where all is no water under

1061
00:42:11,329 --> 00:42:15,230
there learn something new every day well

1062
00:42:14,030 --> 00:42:19,670
I wish you the best of luck in this

1063
00:42:15,230 --> 00:42:21,679
round thank you very much anyway lovely

1064
00:42:19,670 --> 00:42:24,619
young lady diviner here and I saw you

1065
00:42:21,679 --> 00:42:26,779
out there earlier trying your luck how

1066
00:42:24,619 --> 00:42:29,089
do you think you went um I think I did

1067
00:42:26,780 --> 00:42:31,960
pretty good I was just getting a vibe so

1068
00:42:29,090 --> 00:42:35,289
I wrote down with what I felt

1069
00:42:31,960 --> 00:42:38,949

ya feelin pretty confident yeah I guess

1070

00:42:35,289 --> 00:42:40,150

so it's my first time doing it so be

1071

00:42:38,949 --> 00:42:41,439

very interested to see you and your

1072

00:42:40,150 --> 00:42:43,838

friends are having a sneaker of they

1073

00:42:41,440 --> 00:42:46,480

have you tried it yeah I have yeah and

1074

00:42:43,838 --> 00:42:48,429

how do you think you went okay yeah hey

1075

00:42:46,480 --> 00:42:50,320

it's very exciting i can't wait to see

1076

00:42:48,429 --> 00:42:54,039

what the results are you gonna try it oh

1077

00:42:50,320 --> 00:42:57,039

no i just watched them really so i think

1078

00:42:54,039 --> 00:42:58,690

they did pretty good so yeah alright

1079

00:42:57,039 --> 00:43:02,920

well we'll all know the score is pretty

1080

00:42:58,690 --> 00:43:04,838

soon so good luck to your ok after the

1081

00:43:02,920 --> 00:43:07,210

next round I went out on the court and

1082

00:43:04,838 --> 00:43:12,250

caught up with get more diviners as they

1083

00:43:07,210 --> 00:43:14,050

were checking their own scores well

1084
00:43:12,250 --> 00:43:17,710
folks you had a big check of your scores

1085
00:43:14,050 --> 00:43:21,730
how did you go this time worse oh how

1086
00:43:17,710 --> 00:43:25,690
did you go to you just checking now 99

1087
00:43:21,730 --> 00:43:27,940
ok it yourself 1212 ok we're all around

1088
00:43:25,690 --> 00:43:29,710
the the middle mark at the moment but

1089
00:43:27,940 --> 00:43:32,950
it's a pretty it's a mighty hot day for

1090
00:43:29,710 --> 00:43:34,809
my team inner master but I must say but

1091
00:43:32,949 --> 00:43:36,699
I hope you had a fun today they're just

1092
00:43:34,809 --> 00:43:40,210
debating now whether to hold one final

1093
00:43:36,699 --> 00:43:41,949
one but they will see we'll see but as

1094
00:43:40,210 --> 00:43:43,449
yet and I don't know because I don't

1095
00:43:41,949 --> 00:43:46,358
know all the final scores we haven't

1096
00:43:43,449 --> 00:43:48,629
found somebody yet who can um get that

1097
00:43:46,358 --> 00:43:50,949
magic number of 18 to pass the test but

1098
00:43:48,630 --> 00:43:53,410
looking to get a chair park across there

1099
00:43:50,949 --> 00:43:55,659
mhm ok picking up a water pipe under

1100
00:43:53,409 --> 00:43:57,670
there and that's throws yet but if you

1101
00:43:55,659 --> 00:44:01,000
know it's there can you sort of the oven

1102
00:43:57,670 --> 00:44:03,240
state border ok well i think that laurie

1103
00:44:01,000 --> 00:44:05,679
smith the one of the organizers has a

1104
00:44:03,239 --> 00:44:07,569
radar ground radar image of this whole

1105
00:44:05,679 --> 00:44:08,949
tennis court yeah and i don't think

1106
00:44:07,570 --> 00:44:14,849
there's a pipe but you'll have to check

1107
00:44:08,949 --> 00:44:14,848
with him either ok thanks everybody no

1108
00:44:15,139 --> 00:44:20,239
after the third and final round of

1109
00:44:17,809 --> 00:44:22,880
testing was complete and the scores

1110
00:44:20,239 --> 00:44:25,069
indicated that nobody and in fact

1111
00:44:22,880 --> 00:44:28,789
reached the magical level of 18 out of

1112

00:44:25,070 --> 00:44:33,230
20 I found another diviner nast him why

1113
00:44:28,789 --> 00:44:34,880
he thought the scores were so bad I may

1114
00:44:33,230 --> 00:44:38,240
have a quick word with if I may so the

1115
00:44:34,880 --> 00:44:39,740
divining tests all over how how would

1116
00:44:38,239 --> 00:44:42,039
you explain the fact that there were

1117
00:44:39,739 --> 00:44:45,139
lots and lots and lots of diviners here

1118
00:44:42,039 --> 00:44:46,759
how could all these diviners fail on the

1119
00:44:45,139 --> 00:44:51,500
day do you have any idea any thoughts on

1120
00:44:46,760 --> 00:44:56,300
that a couple of things yeah the same

1121
00:44:51,500 --> 00:45:00,320
seem to be picking up as if it was deep

1122
00:44:56,300 --> 00:45:02,060
so it was picking up it was putting

1123
00:45:00,320 --> 00:45:05,559
people off a bit because the scene was

1124
00:45:02,059 --> 00:45:10,009
dead for some reason or don't know why

1125
00:45:05,559 --> 00:45:12,590
there and that was one thing that most

1126
00:45:10,010 --> 00:45:15,800

devon has said that the the damp sand in

1127

00:45:12,590 --> 00:45:21,110

the bottle seem to be picking up that it

1128

00:45:15,800 --> 00:45:23,660

shouldn't be picking up video there what

1129

00:45:21,110 --> 00:45:25,940

I meant and another reason why it's very

1130

00:45:23,659 --> 00:45:29,059

hard to divine water that steel because

1131

00:45:25,940 --> 00:45:30,349

water a divining is a water where the

1132

00:45:29,059 --> 00:45:33,259

electricity's in your body and

1133

00:45:30,349 --> 00:45:35,960

electricity is running and you're

1134

00:45:33,260 --> 00:45:39,320

picking it up the water is running and

1135

00:45:35,960 --> 00:45:41,750

the and and your rod and your lectricity

1136

00:45:39,320 --> 00:45:43,519

in your body works that was so if there

1137

00:45:41,750 --> 00:45:44,900

was a test with running water instead of

1138

00:45:43,519 --> 00:45:49,009

still water you'd think it'd have a

1139

00:45:44,900 --> 00:45:50,510

better shot at it I think so here but

1140

00:45:49,010 --> 00:45:52,310

there's nothing wrong with this this was

1141
00:45:50,510 --> 00:45:55,190
a real good test and you could have

1142
00:45:52,309 --> 00:45:59,239
again oh yeah there's no problem thanks

1143
00:45:55,190 --> 00:46:00,380
very much yeah thank you me and Bryce I

1144
00:45:59,239 --> 00:46:02,329
don't know about you but I'm ready to

1145
00:46:00,380 --> 00:46:04,039
jump into a cold swimming pool or a

1146
00:46:02,329 --> 00:46:05,389
river but we're looking at the final

1147
00:46:04,039 --> 00:46:08,179
results let's have a look at this

1148
00:46:05,389 --> 00:46:10,069
histogram and what can you tell me okay

1149
00:46:08,179 --> 00:46:11,960
great we have a histogram here which

1150
00:46:10,070 --> 00:46:13,910
shows the number of times each

1151
00:46:11,960 --> 00:46:15,949
particular result came up for example

1152
00:46:13,909 --> 00:46:20,659
the most common result was nine out of

1153
00:46:15,949 --> 00:46:24,259
20 yeah and that occurred about 18 x 19

1154
00:46:20,659 --> 00:46:27,480
times and the next was 8 out of 20 and

1155
00:46:24,260 --> 00:46:29,280
10 out of 20 so with a perfectly average

1156
00:46:27,480 --> 00:46:31,019
so this statistical better we would

1157
00:46:29,280 --> 00:46:33,359
expect 10 out of 20 so it's very close

1158
00:46:31,019 --> 00:46:35,219
to that it's very close to that and so

1159
00:46:33,358 --> 00:46:37,889
most people got slightly under what

1160
00:46:35,219 --> 00:46:39,539
chance would predict but we have that

1161
00:46:37,889 --> 00:46:42,420
high school and that I was 16 this year

1162
00:46:39,539 --> 00:46:44,579
16 out of 20 yet which is quite possible

1163
00:46:42,420 --> 00:46:46,590
according to chance where you've got 50

1164
00:46:44,579 --> 00:46:48,480
odd competitors indeed you would expect

1165
00:46:46,590 --> 00:46:50,490
some around six and then of course the

1166
00:46:48,480 --> 00:46:52,530
lowest was sick so it's sort of it's

1167
00:46:50,489 --> 00:46:55,289
more or less what we'd expect to say yes

1168
00:46:52,530 --> 00:46:57,000
so the null hypothesis is not disproven

1169

00:46:55,289 --> 00:46:59,699
unfortunately science often talks in

1170
00:46:57,000 --> 00:47:01,769
double negatives but the null hypothesis

1171
00:46:59,699 --> 00:47:04,259
survives in other words the assumption

1172
00:47:01,769 --> 00:47:06,809
that only statistics is operating and no

1173
00:47:04,260 --> 00:47:10,140
actual mysterious force on the divining

1174
00:47:06,809 --> 00:47:12,420
rod that test survives today survives

1175
00:47:10,139 --> 00:47:16,259
today survives to be tested another day

1176
00:47:12,420 --> 00:47:17,820
Thank You Ian thank you Richard and then

1177
00:47:16,260 --> 00:47:20,490
it was all over in fact they were hardly

1178
00:47:17,820 --> 00:47:23,010
any water diviners left to look at the

1179
00:47:20,489 --> 00:47:24,779
results at the end of the day I think

1180
00:47:23,010 --> 00:47:26,550
they knew what they were going to be I

1181
00:47:24,780 --> 00:47:29,130
want to thank all the people who took

1182
00:47:26,550 --> 00:47:31,470
part all the volunteers from New South

1183
00:47:29,130 --> 00:47:33,690

Wales and Victoria a big thank you to

1184

00:47:31,469 --> 00:47:35,909

Laurie and Eden Smith for their

1185

00:47:33,690 --> 00:47:38,608

wonderful hospitality big thank you to

1186

00:47:35,909 --> 00:47:40,519

dr. Chrissy Wilson for the wonderful

1187

00:47:38,608 --> 00:47:43,529

work she did in promoting the event

1188

00:47:40,519 --> 00:47:46,170

Steve Roberts skeptical steve roberts

1189

00:47:43,530 --> 00:47:48,390

who did the protocol and was on hand

1190

00:47:46,170 --> 00:47:50,579

during the course of the day to make

1191

00:47:48,389 --> 00:47:52,679

sure everything ran smoothly Martin

1192

00:47:50,579 --> 00:47:55,409

Hadley for his work at the official

1193

00:47:52,679 --> 00:47:57,989

check-in desk and so many other skeptics

1194

00:47:55,409 --> 00:48:01,079

who helped out during the course of the

1195

00:47:57,989 --> 00:48:03,059

day later that day we relaxed once again

1196

00:48:01,079 --> 00:48:06,559

the wonderful barbecue at the home of

1197

00:48:03,059 --> 00:48:06,559

Russell and Robin Kelly

1198
00:48:06,599 --> 00:48:11,999
and well it's all over we're here back

1199
00:48:08,880 --> 00:48:13,680
at the house of yes Russell and Robin

1200
00:48:11,998 --> 00:48:16,048
Kelly the skeptics are gathered around

1201
00:48:13,679 --> 00:48:17,578
we've had our steaks and sausages and

1202
00:48:16,048 --> 00:48:19,498
fried potatoes and all sorts of things

1203
00:48:17,579 --> 00:48:20,579
and we're cooking chicken wings and

1204
00:48:19,498 --> 00:48:22,278
they're cooking chicken wings but at

1205
00:48:20,579 --> 00:48:24,839
last we can celebrate a successful

1206
00:48:22,278 --> 00:48:29,608
divining day lori cheers Thank You

1207
00:48:24,838 --> 00:48:37,978
Reggie they don't click them hit other

1208
00:48:29,608 --> 00:48:40,650
plastic oh thank you thank you more

1209
00:48:37,978 --> 00:48:44,460
detailed results of the test will be

1210
00:48:40,650 --> 00:48:46,440
published at ww skeptics com a you in

1211
00:48:44,460 --> 00:48:49,228
the near future when we sort out all the

1212
00:48:46,440 --> 00:48:51,630
statistics we look forward to the next

1213
00:48:49,228 --> 00:48:59,278
series of water divining tests wherever

1214
00:48:51,630 --> 00:49:02,130
and whenever they are the gang turned up

1215
00:48:59,278 --> 00:49:04,728
on with wire and wood to locate the

1216
00:49:02,130 --> 00:49:06,960
water wherever they could by reading

1217
00:49:04,728 --> 00:49:09,629
vibrations that come from the ground

1218
00:49:06,960 --> 00:49:11,769
which show where the water was sure to

1219
00:49:09,630 --> 00:49:14,440
be found

1220
00:49:11,769 --> 00:49:16,869
they came to win money at the dowsers

1221
00:49:14,440 --> 00:49:19,090
convention with prayers of hope for

1222
00:49:16,869 --> 00:49:23,559
divine intervention to help them to

1223
00:49:19,090 --> 00:49:27,039
sense the old h2o then one by one they

1224
00:49:23,559 --> 00:49:29,440
all had a go chance predicted the

1225
00:49:27,039 --> 00:49:31,960
success they would face as they searched

1226

00:49:29,440 --> 00:49:34,269
for the water all over the place at the

1227
00:49:31,960 --> 00:49:37,329
muster in the hills up MIT amid away

1228
00:49:34,269 --> 00:49:40,840
with a lute on the line they were ready

1229
00:49:37,329 --> 00:49:43,179
to play walking in a circle or in a

1230
00:49:40,840 --> 00:49:46,030
crisscross line with a weight of belief

1231
00:49:43,179 --> 00:49:48,849
in the autumn sunshine making sweat on

1232
00:49:46,030 --> 00:49:52,500
their brows as they tried to tell which

1233
00:49:48,849 --> 00:49:55,690
was just sand and where was the well

1234
00:49:52,500 --> 00:49:57,789
then the Sun went down on the master at

1235
00:49:55,690 --> 00:50:00,820
bitter and the sweet taste of victory

1236
00:49:57,789 --> 00:50:03,239
had turned a bit better for the dowsers

1237
00:50:00,820 --> 00:50:05,769
and diviners had failed to find water

1238
00:50:03,239 --> 00:50:09,969
maybe their rods should have been longer

1239
00:50:05,769 --> 00:50:13,179
or shorter the contestants blamed static

1240
00:50:09,969 --> 00:50:16,179

and streams and fences that disturb the

1241
00:50:13,179 --> 00:50:18,159
waves and twiddle their senses but the

1242
00:50:16,179 --> 00:50:21,309
skeptics went home with their booty

1243
00:50:18,159 --> 00:50:24,509
intact because none could prove the

1244
00:50:21,309 --> 00:50:24,509
dowsing effect

1245
00:50:29,909 --> 00:50:34,509
virtual skeptics is a weekly web show in

1246
00:50:32,710 --> 00:50:36,818
which we discuss the latest news in

1247
00:50:34,509 --> 00:50:38,289
skepticism whether it's a new case of

1248
00:50:36,818 --> 00:50:40,509
spontaneous human combustion a

1249
00:50:38,289 --> 00:50:42,730
conspiracy theory the latest update on

1250
00:50:40,509 --> 00:50:44,380
the upcoming robot apocalypse tech news

1251
00:50:42,730 --> 00:50:46,869
for skeptics are the latest wacky

1252
00:50:44,380 --> 00:50:49,240
religious claim we cover it all we

1253
00:50:46,869 --> 00:50:51,910
record the show live as a Google+ on-air

1254
00:50:49,239 --> 00:50:53,739
hangout so join us in our host Brian

1255
00:50:51,909 --> 00:50:56,379
Gregory for an hour of mostly

1256
00:50:53,739 --> 00:50:59,288
intelligent talk every wednesday at a PM

1257
00:50:56,380 --> 00:51:01,869
eastern US time watch acid virtual

1258
00:50:59,289 --> 00:51:04,720
skeptics calm and participate in the

1259
00:51:01,869 --> 00:51:07,358
show on our hashtag virtual skeptics the

1260
00:51:04,719 --> 00:51:11,038
virtual skeptics it's like meet the

1261
00:51:07,358 --> 00:51:11,038
press but with chupacabras

1262
00:51:11,650 --> 00:51:17,420
welcome to a week in science this week

1263
00:51:14,659 --> 00:51:20,179
hearing earthquakes in space was there

1264
00:51:17,420 --> 00:51:28,519
life on Mars and can aspirin protect

1265
00:51:20,179 --> 00:51:32,358
against cancer this week it was revealed

1266
00:51:28,519 --> 00:51:36,050
that a satellite orbiting 255 kilometers

1267
00:51:32,358 --> 00:51:38,539
above the earth heard the 2011 to Hoku

1268
00:51:36,050 --> 00:51:41,150
earthquake instruments for detecting

1269
00:51:38,539 --> 00:51:42,949
infrasound on the ghost satellite are so

1270
00:51:41,150 --> 00:51:45,680
sensitive they could detect the faint

1271
00:51:42,949 --> 00:51:47,689
signal as it passed over Japan the

1272
00:51:45,679 --> 00:51:50,000
satellite even detected the earthquakes

1273
00:51:47,690 --> 00:51:53,210
vibrations again as it passed over

1274
00:51:50,000 --> 00:51:55,340
Europe 25 minutes later while

1275
00:51:53,210 --> 00:51:57,920
earthquakes have long been known to emit

1276
00:51:55,340 --> 00:52:00,170
infrasound Rumble it was thought that no

1277
00:51:57,920 --> 00:52:05,240
spacecraft in orbit had the capacity to

1278
00:52:00,170 --> 00:52:07,159
record them until now Russian scientists

1279
00:52:05,239 --> 00:52:10,339
claimed to have found a new kind of

1280
00:52:07,159 --> 00:52:13,339
bacterial life in a lake buried under

1281
00:52:10,340 --> 00:52:15,350
the antarctic ice seven samples of the

1282
00:52:13,340 --> 00:52:18,380
new mystery species were recovered from

1283

00:52:15,349 --> 00:52:20,900
Lake Vostok the largest sub glacial lake

1284
00:52:18,380 --> 00:52:23,539
in antarctica the team drilled through

1285
00:52:20,900 --> 00:52:26,000
more than 3.5 kilometers of ice and

1286
00:52:23,539 --> 00:52:28,670
broke through to the lake last year

1287
00:52:26,000 --> 00:52:30,710
however other scientists including some

1288
00:52:28,670 --> 00:52:33,289
involved in the analysis of the samples

1289
00:52:30,710 --> 00:52:36,079
themselves have cast doubt on the

1290
00:52:33,289 --> 00:52:37,519
veracity of the find they suggest that

1291
00:52:36,079 --> 00:52:40,549
the results are due to contamination

1292
00:52:37,519 --> 00:52:43,940
during drilling and analysis and not a

1293
00:52:40,550 --> 00:52:46,970
new unknown species studies to resolve

1294
00:52:43,940 --> 00:52:49,849
this conflict are continuing for science

1295
00:52:46,969 --> 00:52:51,858
headlines in 30 seconds Neanderthal

1296
00:52:49,849 --> 00:52:54,170
brains were organized for better vision

1297
00:52:51,858 --> 00:52:57,289

and body control at the cost of

1298

00:52:54,170 --> 00:52:59,809

cognition the first birds used for wings

1299

00:52:57,289 --> 00:53:02,329

for flight with modern Birds retaining

1300

00:52:59,809 --> 00:53:04,849

the front two aspirin may reduce the

1301

00:53:02,329 --> 00:53:07,579

incidence of melanoma and the longer

1302

00:53:04,849 --> 00:53:09,500

it's used the lower the risk and an

1303

00:53:07,579 --> 00:53:12,289

analysis of Martian rocks by the

1304

00:53:09,500 --> 00:53:14,210

Curiosity Lander reveals that Mars may

1305

00:53:12,289 --> 00:53:18,289

once have been capable of supporting

1306

00:53:14,210 --> 00:53:20,960

life finally this week proof that loud

1307

00:53:18,289 --> 00:53:23,300

people on mobile phones are doubly

1308

00:53:20,960 --> 00:53:25,280

annoying researchers reported that a

1309

00:53:23,300 --> 00:53:27,500

one-sided mobile phone calm

1310

00:53:25,280 --> 00:53:29,390

versation in the background is more

1311

00:53:27,500 --> 00:53:32,030

distracting than overhearing a

1312
00:53:29,389 --> 00:53:34,099
conversation between two people they

1313
00:53:32,030 --> 00:53:36,350
concluded that not knowing where a

1314
00:53:34,099 --> 00:53:38,989
one-sided conversation is heading is

1315
00:53:36,349 --> 00:53:41,119
more likely to get your attention than

1316
00:53:38,989 --> 00:53:43,519
eavesdropping on a complete conversation

1317
00:53:41,119 --> 00:53:46,849
yeah i'll bring the butter a watermelon

1318
00:53:43,519 --> 00:53:52,460
and a wind-up soldier oh yeah yeah get

1319
00:53:46,849 --> 00:53:54,889
two of those on Tuesday March 26th arias

1320
00:53:52,460 --> 00:53:57,440
is holding the next edition of science

1321
00:53:54,889 --> 00:53:59,809
behind the headlines this time we'll be

1322
00:53:57,440 --> 00:54:02,389
looking at the hot topic of drugs in

1323
00:53:59,809 --> 00:54:05,480
sport what are they taking how are they

1324
00:54:02,389 --> 00:54:07,129
taking it and why our expert panel will

1325
00:54:05,480 --> 00:54:10,490
explore these and other questions

1326
00:54:07,130 --> 00:54:12,980
information on our website that's been

1327
00:54:10,489 --> 00:54:15,259
another big week in science for more on

1328
00:54:12,980 --> 00:54:19,670
these and other science stories go to

1329
00:54:15,260 --> 00:54:21,760
the rirs website are I org a you where

1330
00:54:19,670 --> 00:54:24,349
you can also sign up for future episodes

1331
00:54:21,760 --> 00:54:27,230
you can follow the conversation on

1332
00:54:24,349 --> 00:54:29,569
twitter using the hashtag weekend sigh

1333
00:54:27,230 --> 00:54:33,490
i'm paul willis and on behalf of the our

1334
00:54:29,570 --> 00:54:33,490
oils team i'll see you next week

1335
00:54:36,650 --> 00:54:42,470
in a world where the truth is a matter

1336
00:54:44,820 --> 00:54:49,820
or messages are a scene for beyond

1337
00:54:52,650 --> 00:54:58,309
and reason is sidelined for magical

1338
00:54:55,980 --> 00:54:58,309
thinking

1339
00:54:58,739 --> 00:55:07,649
oh please we then stand between the

1340

00:55:01,079 --> 00:55:09,420
truth what date is it 78 several thing

1341
00:55:07,650 --> 00:55:10,590
this is impressive it's these artists

1342
00:55:09,420 --> 00:55:12,650
impressions they're not their

1343
00:55:10,590 --> 00:55:15,630
photographs of Chinese anthem it's not

1344
00:55:12,650 --> 00:55:17,460
we are not well received is a good guard

1345
00:55:15,630 --> 00:55:19,470
we're fully don't discuss cryptozoology

1346
00:55:17,460 --> 00:55:21,420
on the show very often because we don't

1347
00:55:19,469 --> 00:55:23,279
know anything about how the truth the

1348
00:55:21,420 --> 00:55:25,110
price gets lower and lower and lower and

1349
00:55:23,280 --> 00:55:29,550
then he hits a ceiling it's a ceiling

1350
00:55:25,110 --> 00:55:31,410
for the Rubin or skeptic to the K for

1351
00:55:29,550 --> 00:55:40,890
the Merseyside skeptics society find us

1352
00:55:31,409 --> 00:55:42,750
on iTunes or you know don't and now a

1353
00:55:40,889 --> 00:55:44,670
note from our friends in Victoria

1354
00:55:42,750 --> 00:55:47,670

there's a big event coming up in the

1355

00:55:44,670 --> 00:55:49,980

next skeptics cafe for Victorian

1356

00:55:47,670 --> 00:55:52,680

skeptics on Monday the 18th of March

1357

00:55:49,980 --> 00:55:56,210

Nobel Prize winner professor peter

1358

00:55:52,679 --> 00:56:00,118

doherty is speaking the talk is entitled

1359

00:55:56,210 --> 00:56:03,119

skepticism denial and ignorance is there

1360

00:56:00,119 --> 00:56:05,400

a difference professor Dougherty is one

1361

00:56:03,119 --> 00:56:07,559

of a handful of Australian scientists to

1362

00:56:05,400 --> 00:56:09,930

have been awarded the nobel prize for

1363

00:56:07,559 --> 00:56:11,849

medicine these Nobel prize-winning

1364

00:56:09,929 --> 00:56:13,919

research contributed to our

1365

00:56:11,849 --> 00:56:17,239

understanding of the immune system and

1366

00:56:13,920 --> 00:56:20,970

in particular how our cells recognize

1367

00:56:17,239 --> 00:56:25,409

viral infections professor Doty was also

1368

00:56:20,969 --> 00:56:27,239

named Australian of the Year in 1997 for

1369
00:56:25,409 --> 00:56:32,750
more information about this talk on the

1370
00:56:27,239 --> 00:56:37,009
18th of March visit w WV skeptics

1371
00:56:32,750 --> 00:56:37,010
wordpress com

1372
00:56:50,400 --> 00:56:56,230
do they I'm a computer simulated human

1373
00:56:53,679 --> 00:56:59,589
poor odd Richard Saunders has lost his

1374
00:56:56,230 --> 00:57:02,110
voice Oh dear me so I'm here to tell you

1375
00:56:59,590 --> 00:57:04,030
about the 48th international festival of

1376
00:57:02,110 --> 00:57:06,840
science documentaries to be held in

1377
00:57:04,030 --> 00:57:09,220
olomouc in a Czech Republic in April

1378
00:57:06,840 --> 00:57:11,610
visitors to the festival will enjoy

1379
00:57:09,219 --> 00:57:14,139
films on mathematics global warming

1380
00:57:11,610 --> 00:57:16,090
computer games and much more including

1381
00:57:14,139 --> 00:57:19,139
pseudoscience with Richard Saunders

1382
00:57:16,090 --> 00:57:22,329
presenting a lecture on water divining

1383
00:57:19,139 --> 00:57:24,369
but that's not all rich and will also be

1384
00:57:22,329 --> 00:57:26,409
giving origami lessons and presenting

1385
00:57:24,369 --> 00:57:29,920
films by Richard Dawkins and Brian

1386
00:57:26,409 --> 00:57:32,710
darling wow I wonder if they will let a

1387
00:57:29,920 --> 00:57:34,180
simulated human voice attend to find out

1388
00:57:32,710 --> 00:57:36,460
more in book your ticket to this

1389
00:57:34,179 --> 00:57:41,919
world-class scientific film festival

1390
00:57:36,460 --> 00:57:43,860
visit WWF ocz discover the Wonder

1391
00:57:41,920 --> 00:57:46,780
history and VT of the Czech Republic

1392
00:57:43,860 --> 00:57:49,740
enjoy some fascinating documentaries and

1393
00:57:46,780 --> 00:57:53,380
spend time with like-minded people oh

1394
00:57:49,739 --> 00:58:00,659
and if you see Saunders tell him he can

1395
00:57:53,380 --> 00:58:00,660
have his job back wwa fos easy

1396
00:58:15,719 --> 00:58:21,009
our staff and I know it's late but we

1397

00:58:18,338 --> 00:58:22,808
made it through that the last almost an

1398
00:58:21,010 --> 00:58:24,609
hour and we listened to the skeptic zone

1399
00:58:22,809 --> 00:58:26,530
Richard I don't know what's going on but

1400
00:58:24,608 --> 00:58:28,659
here but we listened to the entire show

1401
00:58:26,530 --> 00:58:29,769
but it's still only five to one I don't

1402
00:58:28,659 --> 00:58:32,618
know how that happened how does that

1403
00:58:29,769 --> 00:58:34,539
happen time distortion time distortion

1404
00:58:32,619 --> 00:58:36,789
internet it's full of an perception

1405
00:58:34,539 --> 00:58:40,179
ception time perception time distortion

1406
00:58:36,789 --> 00:58:41,920
and perception omorrow it's all the

1407
00:58:40,179 --> 00:58:43,899
chemicals in apps the chemicals in our

1408
00:58:41,920 --> 00:58:46,389
brains listeners it's been a very long

1409
00:58:43,900 --> 00:58:48,548
night for Stefan and Richard we were

1410
00:58:46,389 --> 00:58:50,318
both performing tonight you're you were

1411
00:58:48,548 --> 00:58:52,329

doing piano and an entertainment work

1412

00:58:50,318 --> 00:58:55,088

and I always guest speaking so I think

1413

00:58:52,329 --> 00:58:56,798

you can forgive us the slight indulgence

1414

00:58:55,088 --> 00:58:59,289

and relaxation we're having right now

1415

00:58:56,798 --> 00:59:00,880

we're relaxing at a yes an idea i

1416

00:58:59,289 --> 00:59:03,369

haven't played piano for about 10 years

1417

00:59:00,880 --> 00:59:04,660

you did quite well i'm ever a lot of

1418

00:59:03,369 --> 00:59:06,970

people were taking photographs of you i

1419

00:59:04,659 --> 00:59:09,449

noticed well these are people with with

1420

00:59:06,969 --> 00:59:12,669

with not much happening in their lives

1421

00:59:09,449 --> 00:59:15,909

no it was a fun it was a fun ideas about

1422

00:59:12,670 --> 00:59:18,220

how many people 400 people Oh easily at

1423

00:59:15,909 --> 00:59:22,058

nowra entertainment center is a

1424

00:59:18,219 --> 00:59:24,039

wonderful venue if now is is what you

1425

00:59:22,059 --> 00:59:27,130

would class as a country town but their

1426
00:59:24,039 --> 00:59:29,349
entertainment center is bigger than what

1427
00:59:27,130 --> 00:59:30,940
you'd expect in a major capital city it

1428
00:59:29,349 --> 00:59:34,030
was all good it was all good and I had a

1429
00:59:30,940 --> 00:59:37,420
wonderful time so that's almost one

1430
00:59:34,030 --> 00:59:39,760
o'clock this morning how do we fit a one

1431
00:59:37,420 --> 00:59:41,950
hour show between ten to one and five to

1432
00:59:39,760 --> 00:59:43,630
one that's all I want to know listeners

1433
00:59:41,949 --> 00:59:45,608
might have an idea on this and they can

1434
00:59:43,630 --> 00:59:48,548
send us a postcard or it could be

1435
00:59:45,608 --> 00:59:50,980
answered in the solar flare ah solar

1436
00:59:48,548 --> 00:59:52,480
flare time distortion time distortion

1437
00:59:50,980 --> 00:59:54,818
it's all happening and I hope it'll be

1438
00:59:52,480 --> 00:59:56,949
happening soon but for now Stefan thank

1439
00:59:54,818 --> 00:59:59,170
you for a great night Cheers it was good

1440
00:59:56,949 --> 01:00:01,659
and check your Twitter account and

1441
00:59:59,170 --> 01:00:03,880
Facebook account and in the skeptic zone

1442
01:00:01,659 --> 01:00:07,259
account and see how it all went down

1443
01:00:03,880 --> 01:00:07,260
goodnight goodnight

1444
01:00:08,929 --> 01:00:16,319
you've been listening to the skeptic

1445
01:00:11,340 --> 01:00:20,100
zone visit our website at [www skeptics](http://www.skeptics)

1446
01:00:16,320 --> 01:00:23,030
on TV for comments contacts and extra

1447
01:00:20,099 --> 01:00:23,029
video reports

1448
01:00:26,190 --> 01:00:28,220
Oh