

The Skeptic Zone

Show 230 - 16 March 2013



Water Divining Tests

1
00:00:12,570 --> 00:00:09,100
welcome to the skeptic zone the podcast

2
00:00:16,420 --> 00:00:12,580
from Australia for science and reason

3
00:00:23,330 --> 00:00:16,430
yuria hosts Richard Saunders and Stefan

4
00:00:30,540 --> 00:00:28,320
Richard good good morning Stefan you had

5
00:00:32,370 --> 00:00:30,550
to pause for a moment attitude to work

6
00:00:34,110 --> 00:00:32,380
out whether it was actually morning or

7
00:00:35,970 --> 00:00:34,120
evening what what's the what's going on

8
00:00:39,900 --> 00:00:35,980
I have to say that you and I have just

9
00:00:41,580 --> 00:00:39,910
been to a wonderful rotary dinner down

10
00:00:44,100 --> 00:00:41,590
here at an hour on the south coast of

11
00:00:45,960 --> 00:00:44,110
New South Wales where you were the

12
00:00:47,580 --> 00:00:45,970
entertainment doing the old piano and i

13
00:00:49,770 --> 00:00:47,590

was the guest speaker you were the

14

00:00:51,510 --> 00:00:49,780

entertainment doing the guest speaking i

15

00:00:53,940 --> 00:00:51,520

was i was in the program is the

16

00:00:56,670 --> 00:00:53,950

entertainer and it was a wonderful night

17

00:00:58,110 --> 00:00:56,680

I had a great time and and we're here

18

00:01:00,660 --> 00:00:58,120

back at the hotel just having a nice

19

00:01:02,430 --> 00:01:00,670

glass of wine tour to unwind well

20

00:01:05,219 --> 00:01:02,440

actually they gave you a bottle of wine

21

00:01:07,469 --> 00:01:05,229

as a little thank you and they also gave

22

00:01:09,780 --> 00:01:07,479

me a certificate which is the

23

00:01:11,520 --> 00:01:09,790

representation of a tree they planted in

24

00:01:13,410 --> 00:01:11,530

my honor is that wonderful are to the

25

00:01:16,620 --> 00:01:13,420

Train Your Honor so in 200 years time

26

00:01:19,410 --> 00:01:16,630

when they invent the the life extension

27

00:01:22,590 --> 00:01:19,420

pill you will be able to watch your tree

28

00:01:25,800 --> 00:01:22,600

growing it was very sweet of marie and i

29

00:01:27,389 --> 00:01:25,810

must thank rotary for having me speak

30

00:01:29,010 --> 00:01:27,399

tonight at the big conference here and

31

00:01:32,100 --> 00:01:29,020

thanks Stefan for helping to arrange it

32

00:01:35,340 --> 00:01:32,110

I was awesome but it's Richard it's it's

33

00:01:36,779 --> 00:01:35,350

ten to one it's it's the middle of the

34

00:01:39,749 --> 00:01:36,789

night folks we're having a bit of an

35

00:01:41,880 --> 00:01:39,759

unwind my voice is shot because I do I

36

00:01:43,529 --> 00:01:41,890

was speaking to people afterwards in a

37

00:01:46,529 --> 00:01:43,539

very loud room because you were playing

38

00:01:48,600 --> 00:01:46,539

music yeah it was a big night was a big

39

00:01:50,790 --> 00:01:48,610

for all these skeptics listening to the

40

00:01:53,940 --> 00:01:50,800

skeptic zone Stefan and Richard the

41

00:01:56,010 --> 00:01:53,950

hosts of the skeptic zone were heavily

42

00:01:58,169 --> 00:01:56,020

involved in the rotary district nine 680

43

00:01:59,969 --> 00:01:58,179

conference but Richard gave a very good

44

00:02:02,520 --> 00:01:59,979

talk that finished with a very big

45

00:02:04,080 --> 00:02:02,530

rotary theme thing about vaccinations

46

00:02:06,809 --> 00:02:04,090

and polio and everything like that and

47

00:02:08,639 --> 00:02:06,819

it went very well I died thank you i

48

00:02:10,770 --> 00:02:08,649

think it did go well because I'm I I

49

00:02:12,600 --> 00:02:10,780

spoke about general skepticism talking

50

00:02:14,309 --> 00:02:12,610

to the dead i bent a spoon which was

51
00:02:16,500 --> 00:02:14,319
very funny and all the rest of it and

52
00:02:18,570 --> 00:02:16,510
then I ended the talk with five minutes

53
00:02:20,190 --> 00:02:18,580
about the anti-vaccination crowd and I

54
00:02:22,860 --> 00:02:20,200
think a lot of people in the room were

55
00:02:25,650 --> 00:02:22,870
quite shocked Richard not only that I

56
00:02:28,350 --> 00:02:25,660
think you have created a new network of

57
00:02:29,490 --> 00:02:28,360
skepticism and in the rotary network and

58
00:02:31,740 --> 00:02:29,500
I think you've made a few friends

59
00:02:34,290 --> 00:02:31,750
tonight it might be the case for but

60
00:02:35,910 --> 00:02:34,300
let's think about this week's shows

61
00:02:37,680 --> 00:02:35,920
this week sure how can we think about

62
00:02:39,360 --> 00:02:37,690
this week it's ten to one in the bloody

63
00:02:40,890 --> 00:02:39,370

morning we're going to get up at seven

64

00:02:43,350 --> 00:02:40,900

o'clock for breakfast what's going on

65

00:02:45,360 --> 00:02:43,360

now somebody's going on this week well

66

00:02:48,330 --> 00:02:45,370

this week it's my report on the mighty

67

00:02:50,550 --> 00:02:48,340

meta muster water divining test but the

68

00:02:53,400 --> 00:02:50,560

third one and the last one was 11 years

69

00:02:55,830 --> 00:02:53,410

ago and I was on the spot I was helping

70

00:02:59,160 --> 00:02:55,840

out I interviewed diviners i interviewed

71

00:03:01,710 --> 00:02:59,170

skeptics and you had a DVD about it 11

72

00:03:04,860 --> 00:03:01,720

years ago I did isn't it amazing and i

73

00:03:07,410 --> 00:03:04,870

won't i won't give away the results just

74

00:03:09,150 --> 00:03:07,420

yet but i guess listeners can guess what

75

00:03:10,710 --> 00:03:09,160

they are most most of our listeners are

76

00:03:12,150 --> 00:03:10,720

quite skeptical so I think they would

77

00:03:14,790 --> 00:03:12,160

know that it would be a standard bell

78

00:03:16,770 --> 00:03:14,800

curve oh you've given it away but all

79

00:03:18,690 --> 00:03:16,780

that's coming up in the show and also we

80

00:03:21,480 --> 00:03:18,700

have another installment of the weakened

81

00:03:24,810 --> 00:03:21,490

science with dr. Paul Willis Oh dr. Paul

82

00:03:28,680 --> 00:03:24,820

Willis what is he it but is he on the

83

00:03:30,420 --> 00:03:28,690

team now well in a way he um he runs the

84

00:03:32,370 --> 00:03:30,430

Royal Institution in Adelaide which is a

85

00:03:35,670 --> 00:03:32,380

science outreach an institution

86

00:03:36,990 --> 00:03:35,680

fantastic and they do a week in science

87

00:03:39,840 --> 00:03:37,000

every week and we've had a little bit of

88

00:03:42,360 --> 00:03:39,850

a deal where he supplies me the audio

89

00:03:44,160 --> 00:03:42,370

and we play it doesn't he have like some

90

00:03:45,780 --> 00:03:44,170

sort of contract with the ABC or

91

00:03:48,030 --> 00:03:45,790

something oh no he used to be an ABC

92

00:03:50,430 --> 00:03:48,040

presenter but he left the ABC contract

93

00:03:54,060 --> 00:03:50,440

oh yes Oh so we've got him we've got it

94

00:03:56,250 --> 00:03:54,070

yet all right and as we drove down here

95

00:03:58,050 --> 00:03:56,260

we were discussing solar flare oh it's

96

00:03:59,729 --> 00:03:58,060

almost here it's almost here it's

97

00:04:01,949 --> 00:03:59,739

copying it all it needs is a theme song

98

00:04:04,470 --> 00:04:01,959

mate what are you doing I'm working on

99

00:04:07,350 --> 00:04:04,480

it should we get on with the show I

100

00:04:10,250 --> 00:04:07,360

think look past me that glass and we got

101
00:04:12,600 --> 00:04:10,260
a little couple of drops lingers this

102
00:04:14,670 --> 00:04:12,610
okay that's empty thank you all right

103
00:04:17,039 --> 00:04:14,680
Roger that blaster glass this is our

104
00:04:19,710 --> 00:04:17,049
wine down glass after a big night this

105
00:04:21,330 --> 00:04:19,720
was a free bottle of wine from rotary

106
00:04:23,520 --> 00:04:21,340
can you believe that Thank You rotary a

107
00:04:25,140 --> 00:04:23,530
community service organization just gave

108
00:04:28,440 --> 00:04:25,150
Richard a free bottle of wine I'm not

109
00:04:30,659 --> 00:04:28,450
complaining thank you Stefan cheers and

110
00:04:51,450 --> 00:04:30,669
let's get on with the show and goodnight

111
00:04:59,490 --> 00:04:55,920
the mighty mitr muster a traditional

112
00:05:02,159 --> 00:04:59,500
Australian country fair of cattle and

113
00:05:05,400 --> 00:05:02,169

equestrian events wood chopping carnival

114

00:05:08,010 --> 00:05:05,410

events too what sets it apart from other

115

00:05:10,620 --> 00:05:08,020

country fairs around Australia water

116

00:05:13,559 --> 00:05:10,630

divining i arrived in the countryside

117

00:05:15,870 --> 00:05:13,569

admitted meter on friday the 8th of

118

00:05:18,570 --> 00:05:15,880

march with a couple of skeptics brought

119

00:05:20,279 --> 00:05:18,580

down from New South Wales after a long

120

00:05:24,089 --> 00:05:20,289

day on the road it was nice to sit back

121

00:05:25,890 --> 00:05:24,099

with our hosts Laurie and Eden Smith we

122

00:05:27,990 --> 00:05:25,900

were joined by other skeptics as we SAT

123

00:05:33,129 --> 00:05:28,000

around the dinner table and chattered

124

00:05:39,820 --> 00:05:34,780

you

125

00:05:42,520 --> 00:05:39,830

around with angry Tarkovsky for our

126

00:05:46,750 --> 00:05:42,530

listeners who use that film director

127

00:05:48,940 --> 00:05:46,760

thank you indeed 25 it's my hero okies

128

00:05:51,220 --> 00:05:48,950

oceanogr a living paladar it's none

129

00:05:53,530 --> 00:05:51,230

other than skeptical Steve Robert Ellen

130

00:05:57,250 --> 00:05:53,540

see I'm a fan of Andrei Tarkovsky hello

131

00:05:59,830 --> 00:05:57,260

this is this is Steve I've caught up

132

00:06:02,260 --> 00:05:59,840

with you last year and after your huge

133

00:06:05,740 --> 00:06:02,270

adventure right across Russia don't be

134

00:06:07,570 --> 00:06:05,750

released now thank you so i'm i'm here

135

00:06:09,460 --> 00:06:07,580

in wonderful wonderful beautiful

136

00:06:11,110 --> 00:06:09,470

millimeter at the the home of lori

137

00:06:14,020 --> 00:06:11,120

needin smith were enjoying a lovely

138

00:06:16,120 --> 00:06:14,030

dinner this weekend steve my team in a

139

00:06:17,920 --> 00:06:16,130

master the mighty mither must awarded a

140

00:06:19,480 --> 00:06:17,930

binding test indeed yes it is the third

141

00:06:22,480 --> 00:06:19,490

time we've done it we did it a couple of

142

00:06:24,250 --> 00:06:22,490

times in the 2000s yes and it was a

143

00:06:26,590 --> 00:06:24,260

great great hope to do it we get two

144

00:06:27,880 --> 00:06:26,600

samples of water and sand in plastic

145

00:06:30,040 --> 00:06:27,890

bottles that are covered so you can't

146

00:06:31,390 --> 00:06:30,050

see what's in them no the dowsers or

147

00:06:33,790 --> 00:06:31,400

diviners would have you call them turn

148

00:06:36,190 --> 00:06:33,800

up with their bent wires or fork sticks

149

00:06:38,230 --> 00:06:36,200

and try and determine whether its water

150

00:06:41,170 --> 00:06:38,240

or sand at each sample now you were

151

00:06:43,840 --> 00:06:41,180

present at the 2001 testing yes I was

152

00:06:45,550 --> 00:06:43,850

here and I was president of 2002 testers

153

00:06:48,280 --> 00:06:45,560

I don't see you around you see me around

154

00:06:50,140 --> 00:06:48,290

there we were different tests we were

155

00:06:52,270 --> 00:06:50,150

indeed but um I've start of the video

156

00:06:54,700 --> 00:06:52,280

intently and done the protocol for this

157

00:06:57,010 --> 00:06:54,710

test and what you have to realize is

158

00:06:59,350 --> 00:06:57,020

that everything that can go wrong will

159

00:07:01,330 --> 00:06:59,360

go wrong including a dog including your

160

00:07:03,310 --> 00:07:01,340

dog that pisses on one of the samples on

161

00:07:05,080 --> 00:07:03,320

so you can see through the bag and the

162

00:07:07,420 --> 00:07:05,090

child that treads on a sample of breaks

163

00:07:09,790 --> 00:07:07,430

hidden water or sand with it to be fair

164

00:07:11,440 --> 00:07:09,800

the year you did it it was more or less

165

00:07:12,850 --> 00:07:11,450

in the open than the year I did at the

166

00:07:14,920 --> 00:07:12,860

following year we had the tennis court

167

00:07:16,420 --> 00:07:14,930

so we could keep people off we did it in

168

00:07:18,160 --> 00:07:16,430

the open it was the crowd were just

169

00:07:20,350 --> 00:07:18,170

impossible to manage they crowd around

170

00:07:21,970 --> 00:07:20,360

the diviners on the poor blokes couldn't

171

00:07:24,460 --> 00:07:21,980

get peace and quiet and they got in the

172

00:07:26,410 --> 00:07:24,470

way of everything I mean we define a

173

00:07:28,870 --> 00:07:26,420

proper area where they could stand on

174

00:07:31,920 --> 00:07:28,880

view so now we arranged to do it on the

175

00:07:34,810 --> 00:07:31,930

tennis court which is fenced off and and

176

00:07:36,340 --> 00:07:34,820

instead of beetle yeah they get privacy

177

00:07:39,100 --> 00:07:36,350

on the tennis court and people can look

178

00:07:41,410 --> 00:07:39,110

from outside the wire and that's the

179

00:07:42,660 --> 00:07:41,420

best we can do and that's what we did 11

180

00:07:43,800 --> 00:07:42,670

years ago when I film

181

00:07:45,060 --> 00:07:43,810

we had the tennis court which worked

182

00:07:47,370 --> 00:07:45,070

very well because they could have peace

183

00:07:49,290 --> 00:07:47,380

and quiet but strangely enough it didn't

184

00:07:50,820 --> 00:07:49,300

seem to aid their water divining ability

185

00:07:52,800 --> 00:07:50,830

well us that's their problem but you

186

00:07:54,930 --> 00:07:52,810

have to be fair to the diviner you have

187

00:07:56,310 --> 00:07:54,940

to give them a fair chance of a fair

188

00:07:58,140 --> 00:07:56,320

test without the crowd of the fairy

189

00:08:00,450 --> 00:07:58,150

without skeptics breathing down their

190

00:08:04,260 --> 00:08:00,460

necks if they don't want it and okay

191

00:08:05,790 --> 00:08:04,270

listen as that was a cricket map that's

192

00:08:07,350 --> 00:08:05,800

not cricket that's not no it's not

193

00:08:09,030 --> 00:08:07,360

forget just give gone away now just

194

00:08:11,250 --> 00:08:09,040

jumped on the microphone notes flown off

195

00:08:13,050 --> 00:08:11,260

into the night we're surrounded by a

196

00:08:13,950 --> 00:08:13,060

multitude of insects here we're right in

197

00:08:17,130 --> 00:08:13,960

the middle of the countryside a

198

00:08:18,900 --> 00:08:17,140

beautiful millimeter and enjoying a

199

00:08:21,480 --> 00:08:18,910

glass of wine with me of course is

200

00:08:26,520 --> 00:08:21,490

Laurie Smith hello Laurie hello Richard

201
00:08:28,470 --> 00:08:26,530
Cheers yes oh this is very Oh hmm listen

202
00:08:30,270 --> 00:08:28,480
as I wish you were here and that isn't

203
00:08:32,550 --> 00:08:30,280
enough wine for that Laurie looking

204
00:08:34,200 --> 00:08:32,560
forward to the weekend very much Richard

205
00:08:37,200 --> 00:08:34,210
we put in a lot of work but it's all

206
00:08:39,210 --> 00:08:37,210
coming to a culmination now and just

207
00:08:41,219 --> 00:08:39,220
can't wait for it to start now I had

208
00:08:43,800 --> 00:08:41,229
such a wonderful time 11 years ago when

209
00:08:46,800 --> 00:08:43,810
I was here for the last test and enjoyed

210
00:08:49,380 --> 00:08:46,810
your wonderful hospitality were you

211
00:08:51,780 --> 00:08:49,390
present the one before that do you

212
00:08:53,370 --> 00:08:51,790
before I yes yes I haven't missed a

213
00:08:58,290 --> 00:08:53,380

meadow divining challenge yet Bridget

214

00:09:00,270 --> 00:08:58,300

all three of them and of course this

215

00:09:02,370 --> 00:09:00,280

year we have some more people in tow

216

00:09:04,410 --> 00:09:02,380

with us from Sydney we have josh hi Josh

217

00:09:06,510 --> 00:09:04,420

i Richard looking you see your first

218

00:09:11,010 --> 00:09:06,520

what a divining experience I am it is

219

00:09:12,360 --> 00:09:11,020

indeed hmm well you're in for a treat oh

220

00:09:14,550 --> 00:09:12,370

you would have only been a little kid

221

00:09:20,130 --> 00:09:14,560

for the last time around oh not that

222

00:09:23,340 --> 00:09:20,140

yeah 16 or so hey a little kid Martin

223

00:09:25,500 --> 00:09:23,350

Hadley hello man hi person love well

224

00:09:28,110 --> 00:09:25,510

said I'm sitting under a wind chime as

225

00:09:29,010 --> 00:09:28,120

you are at what have you been I can't

226

00:09:30,810 --> 00:09:29,020

remember I don't think you've been

227

00:09:33,420 --> 00:09:30,820

involved in a water divining test you

228

00:09:36,450 --> 00:09:33,430

know he says my first first-timer

229

00:09:38,160 --> 00:09:36,460

another one looking forward to it but

230

00:09:40,050 --> 00:09:38,170

somebody who is an old hand at many

231

00:09:41,970 --> 00:09:40,060

things of course sitting on the other

232

00:09:44,460 --> 00:09:41,980

end of the table we're out here in the

233

00:09:46,770 --> 00:09:44,470

beautiful open here you can hear the

234

00:09:50,610 --> 00:09:46,780

crickets it's with a mouthful of steak

235

00:09:54,690 --> 00:09:50,620

Ian Bryce you were involved in a

236

00:09:57,360 --> 00:09:54,700

previous water divining test 22nd 1989

237

00:09:59,910 --> 00:09:57,370

over 20 years ago that was in Sydney

238

00:10:02,730 --> 00:09:59,920

yeah and Dick Smith was there briefly

239

00:10:05,100 --> 00:10:02,740

Dick Smith arrived in his helicopter but

240

00:10:07,530 --> 00:10:05,110

you were really a dick smith produced a

241

00:10:08,820 --> 00:10:07,540

gold nugget a gold ingot which was one

242

00:10:10,830 --> 00:10:08,830

of the things that diviners were going

243

00:10:12,300 --> 00:10:10,840

to find and I was holding it for a while

244

00:10:13,680 --> 00:10:12,310

and I looked around at the building but

245

00:10:15,240 --> 00:10:13,690

and looked at his helicopter and I

246

00:10:17,100 --> 00:10:15,250

thought I could skedaddle with this

247

00:10:18,660 --> 00:10:17,110

doggie gotta be set up for life you

248

00:10:21,810 --> 00:10:18,670

don't know how to fly a helicopter well

249

00:10:23,760 --> 00:10:21,820

that was really what could not however

250

00:10:25,980 --> 00:10:23,770

all those years ago you were involved

251

00:10:28,410 --> 00:10:25,990

with a water divining test well it

252

00:10:29,670 --> 00:10:28,420

wasn't it was water wasn't though hiding

253

00:10:33,270 --> 00:10:29,680

water under the ground yes it was

254

00:10:36,120 --> 00:10:33,280

watering large bottles in holes in the

255

00:10:38,760 --> 00:10:36,130

ground covered up with discs of glass

256

00:10:40,340 --> 00:10:38,770

and then this for plastic so you

257

00:10:42,510 --> 00:10:40,350

couldn't see what was in there and and

258

00:10:44,730 --> 00:10:42,520

the diviners were all sure they could

259

00:10:46,500 --> 00:10:44,740

they could find a bottle with the bottle

260

00:10:48,090 --> 00:10:46,510

was visible that their rods resplendent

261

00:10:49,260 --> 00:10:48,100

responded all the time if the bottle was

262

00:10:51,780 --> 00:10:49,270

covered up while they were watching it

263

00:10:53,430 --> 00:10:51,790

the rods still responded but at the

264

00:10:54,870 --> 00:10:53,440

moment it was a double-blind test where

265

00:10:57,600 --> 00:10:54,880

they no one knew where the water was

266

00:10:59,340 --> 00:10:57,610

their rods would go to a hole and

267

00:11:00,750 --> 00:10:59,350

respond to that hole then you take the

268

00:11:03,660 --> 00:11:00,760

cover off there's nothing there then

269

00:11:05,160 --> 00:11:03,670

their rods would hesitate oh and start

270

00:11:07,800 --> 00:11:05,170

turning their attention to another hole

271

00:11:09,900 --> 00:11:07,810

say the route was very revealing about

272

00:11:11,520 --> 00:11:09,910

how water divining works I think I think

273

00:11:14,070 --> 00:11:11,530

you're absolutely right so and I'm glad

274

00:11:17,430 --> 00:11:14,080

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

275

00:11:19,470 --> 00:11:17,440

our water divining activities Lori just

276

00:11:22,110 --> 00:11:19,480

coming back to you that and Steve of

277

00:11:24,240 --> 00:11:22,120

course what many people don't know is

278

00:11:25,950 --> 00:11:24,250

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

279

00:11:28,640 --> 00:11:25,960

water divining test turn up and say

280

00:11:31,440 --> 00:11:28,650

we'll have a go there is a lot of

281

00:11:32,970 --> 00:11:31,450

preparation and planning well I've been

282

00:11:35,310 --> 00:11:32,980

surprised by the mathematics which

283

00:11:36,960 --> 00:11:35,320

douche been involved in making toys or

284

00:11:38,460 --> 00:11:36,970

maize yeah well the mass is actually

285

00:11:41,040 --> 00:11:38,470

fairly easy when the samples are either

286

00:11:43,020 --> 00:11:41,050

water or sand so it's basically 5050

287

00:11:45,840 --> 00:11:43,030

when you get it right or not so if you

288

00:11:48,030 --> 00:11:45,850

do 20 tests it'll be a one chance in a

289

00:11:50,550 --> 00:11:48,040

million roughly to get all 20 right or

290

00:11:52,050 --> 00:11:50,560

and you can spec 10 out of 20 at random

291

00:11:54,810 --> 00:11:52,060

just sorta gets 12 out of 20 is that

292

00:11:57,030 --> 00:11:54,820

significant or would you expect that if

293

00:11:59,460 --> 00:11:57,040

you have you know 20 dividers trying it

294

00:12:01,200 --> 00:11:59,470

and the mass is actually fairly well

295

00:12:03,630 --> 00:12:01,210

defined for this but the thing is that

296

00:12:06,000 --> 00:12:03,640

this has to be explained to the diviners

297

00:12:09,000 --> 00:12:06,010

because they'll get some and say see it

298

00:12:11,190 --> 00:12:09,010

works on those ones even if they get

299

00:12:12,990 --> 00:12:11,200

8 out of 20 they'll say yes but it

300

00:12:14,820 --> 00:12:13,000

worked on those 10 spot though several

301

00:12:16,950 --> 00:12:14,830

it worked on those eight which is a

302

00:12:19,380 --> 00:12:16,960

hundred percent yeah I don't want the

303

00:12:22,440 --> 00:12:19,390

money so and of course our money is

304

00:12:24,120 --> 00:12:22,450

actually at risk is not miss on the day

305

00:12:26,910 --> 00:12:24,130

we've been very careful to say that what

306

00:12:28,950 --> 00:12:26,920

if somebody scores 18 out of 20 which is

307

00:12:31,640 --> 00:12:28,960

on giving they have several chances to

308

00:12:34,680 --> 00:12:31,650

try it that's um about a thousand to one

309

00:12:36,780 --> 00:12:34,690

we will we guarantee to invite them back

310

00:12:39,090 --> 00:12:36,790

for a second test without the crowd or

311

00:12:40,920 --> 00:12:39,100

another day with similar odds if they

312

00:12:42,990 --> 00:12:40,930

can do it again then we will award the

313

00:12:45,000 --> 00:12:43,000

prize of hundred thousand dollars plus

314

00:12:48,090 --> 00:12:45,010

ten grands phone in by yeah one of the

315

00:12:49,890 --> 00:12:48,100

locals here but our money is actually

316

00:12:51,840 --> 00:12:49,900

not at risk on the day what's at risk is

317

00:12:53,400 --> 00:12:51,850

the invitation to do a second test but

318

00:12:55,530 --> 00:12:53,410

you you really can't risk a hundred

319

00:12:56,400 --> 00:12:55,540

grand this this is the standard thing I

320

00:12:58,710 --> 00:12:56,410

mean the James Randi Educational

321

00:13:01,230 --> 00:12:58,720

Foundation have the same protocol there

322

00:13:03,330 --> 00:13:01,240

are two tests the one is to sort out do

323

00:13:06,750 --> 00:13:03,340

you actually have this ability you know

324

00:13:09,630 --> 00:13:06,760

let's have a good test but not such a

325

00:13:11,640 --> 00:13:09,640

strict test because the ultimate aim is

326

00:13:13,320 --> 00:13:11,650

we only want to test people for the

327

00:13:15,180 --> 00:13:13,330

money who can actually pass and get the

328

00:13:16,860 --> 00:13:15,190

money that really that's what we want to

329

00:13:19,530 --> 00:13:16,870

do if somebody can really do it we want

330

00:13:22,020 --> 00:13:19,540

to know and reward them very much so and

331

00:13:24,380 --> 00:13:22,030

my dad also since we incorporated in the

332

00:13:27,000 --> 00:13:24,390

last test the two undisguised

333

00:13:30,540 --> 00:13:27,010

calibration samples of water and sand

334

00:13:32,160 --> 00:13:30,550

which the diviners were invited to run

335

00:13:34,530 --> 00:13:32,170

their instruments over before the test

336

00:13:36,240 --> 00:13:34,540

there wasn't a diviner that failed to

337

00:13:37,710 --> 00:13:36,250

have a good response on the calibration

338

00:13:39,420 --> 00:13:37,720

samples but of course when it went on

339

00:13:41,700 --> 00:13:39,430

the ones with the paper bag on them the

340

00:13:43,920 --> 00:13:41,710

ability seemed to disappear yes that's

341

00:13:46,920 --> 00:13:43,930

very interesting now some years ago of

342

00:13:48,150 --> 00:13:46,930

course I made a when i was here in 2002

343

00:13:50,220 --> 00:13:48,160

i filmed the whole thing made a

344

00:13:52,380 --> 00:13:50,230

documentary about it that's on youtube

345

00:13:53,700 --> 00:13:52,390

so if listeners want to see the

346

00:13:56,070 --> 00:13:53,710

documentary from all those years ago

347

00:13:58,860 --> 00:13:56,080

just google my team it a muster water

348

00:14:00,570 --> 00:13:58,870

divining you'll easily find it and it's

349

00:14:02,640 --> 00:14:00,580

it's amazing to think after all these

350

00:14:04,920 --> 00:14:02,650

years where it sits back for well it's

351

00:14:07,740 --> 00:14:04,930

really round three isn't it of the local

352

00:14:12,050 --> 00:14:07,750

water divining tests with a big gap best

353

00:14:16,110 --> 00:14:14,220

well i'm looking forward to the whole

354

00:14:17,160 --> 00:14:16,120

weekend it's going to be an awful lot of

355

00:14:19,050 --> 00:14:17,170

fun i'm going to get some great

356

00:14:21,120 --> 00:14:19,060

interviews and insights running around

357

00:14:22,340 --> 00:14:21,130

the tennis court and talking to diviners

358

00:14:24,770 --> 00:14:22,350

and skeptics and media

359

00:14:26,240 --> 00:14:24,780

on the day and it's just wonderful to be

360

00:14:30,070 --> 00:14:26,250

here and enjoy the good company of some

361

00:14:33,140 --> 00:14:30,080

good friends and cheers everybody cheers

362

00:14:39,920 --> 00:14:33,150

so what a defining and if this is a

363

00:14:41,900 --> 00:14:39,930

divine invitation after a wonderful

364

00:14:45,010 --> 00:14:41,910

sleep we got up the next day on Saturday

365

00:14:47,570 --> 00:14:45,020

and went over the test setting up little

366

00:14:50,120 --> 00:14:47,580

protocols and examining the bottles were

367

00:14:53,120 --> 00:14:50,130

going to use making sure things would be

368

00:14:55,160 --> 00:14:53,130

okay on the day I think we spend the

369

00:14:58,910 --> 00:14:55,170

rest of they just chatting and having a

370

00:15:01,400 --> 00:14:58,920

good time come Saturday night we went to

371

00:15:03,500 --> 00:15:01,410

the house of Russell and Robin Kelly

372

00:15:10,350 --> 00:15:03,510

they put on for all their friends a

373

00:15:10,360 --> 00:15:17,439

look

374

00:15:17,449 --> 00:15:28,650

water

375

00:15:35,889 --> 00:15:31,900

now in the queue here to get his lovely

376

00:15:38,019 --> 00:15:35,899

piece of beef and mixed vegetables and

377

00:15:39,970 --> 00:15:38,029

potatoes and pumpkins and all sorts of

378

00:15:42,309 --> 00:15:39,980

things that Steve Roberts Steve we went

379

00:15:45,309 --> 00:15:42,319

out to the the testing field today to

380

00:15:47,860 --> 00:15:45,319

case the joint we did indeed yes sir it

381

00:15:50,619 --> 00:15:47,870

was a tennis court at MIT emitter it's a

382

00:15:52,960 --> 00:15:50,629

bare concrete ceiling in the afternoon

383

00:15:54,910 --> 00:15:52,970

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

384

00:15:56,379 --> 00:15:54,920

bad I couldn't look you know yeah at it

385

00:15:59,679 --> 00:15:56,389

so I gotta test this blind as a

386

00:16:01,150 --> 00:15:59,689

double-blind testing yeah and we got to

387

00:16:03,369 --> 00:16:01,160

be worked out where to put things and

388

00:16:04,749 --> 00:16:03,379

having going to do it tomorrow and we've

389

00:16:06,309 --> 00:16:04,759

already prepared how to do the samples

390

00:16:08,590 --> 00:16:06,319

this morning and we did a bit of a V

391

00:16:10,569 --> 00:16:08,600

hustle and get it totally organized

392

00:16:11,619 --> 00:16:10,579

because I'm tomorrow we'll be doing it

393

00:16:14,049 --> 00:16:11,629

all under the glare of the public

394

00:16:15,610 --> 00:16:14,059

untenable air of the Sun and the glee

395

00:16:17,470 --> 00:16:15,620

and the Sun and television cameras here

396

00:16:18,790 --> 00:16:17,480

and if if we have an argument it'll make

397

00:16:21,579 --> 00:16:18,800

great television so we're going to be

398

00:16:23,259 --> 00:16:21,589

careful to get all this done beforehand

399

00:16:26,439 --> 00:16:23,269

I think it's a good point to make that

400

00:16:28,449 --> 00:16:26,449

people don't realize how much work goes

401
00:16:30,460 --> 00:16:28,459
into organizing as a test of water

402
00:16:31,929 --> 00:16:30,470
diviners or any psychic test it's going

403
00:16:33,100 --> 00:16:31,939
to be fair for the dividers they're

404
00:16:35,650 --> 00:16:33,110
going to be a reasonable test that they

405
00:16:38,980 --> 00:16:35,660
can understand and that they see is fair

406
00:16:40,869 --> 00:16:38,990
to them and have a defined a different

407
00:16:43,240 --> 00:16:40,879
result definitely reach to the skeptics

408
00:16:44,470 --> 00:16:43,250
we have to part with our money you know

409
00:16:45,670 --> 00:16:44,480
in fairness to them there's got to be a

410
00:16:47,379 --> 00:16:45,680
real risk of that because of that

411
00:16:50,049 --> 00:16:47,389
there's others their payload in this

412
00:16:51,639 --> 00:16:50,059
pile is is that we can make a graph of

413
00:16:53,799 --> 00:16:51,649

results and show the random distribution

414

00:16:56,259 --> 00:16:53,809

if that's how it turns out if that's how

415

00:16:58,809 --> 00:16:56,269

it turns out oh well i think i will

416

00:17:00,790 --> 00:16:58,819

delay you no more excellent yeah the BBQ

417

00:17:04,840 --> 00:17:00,800

is ready and i'm very picky sh normal

418

00:17:06,490 --> 00:17:04,850

way normal way yeah thank you as I live

419

00:17:08,529 --> 00:17:06,500

and breathe who should we bump into in

420

00:17:11,020 --> 00:17:08,539

the BBQ in here at millimeter it's

421

00:17:12,309 --> 00:17:11,030

ratbag himself good evening rich good

422

00:17:14,260 --> 00:17:12,319

evening now you've come down here to

423

00:17:15,789 --> 00:17:14,270

take part in the water divining test two

424

00:17:17,980 --> 00:17:15,799

I certainly had look I'm really

425

00:17:19,689 --> 00:17:17,990

interested in water boiling I live on

426

00:17:20,980 --> 00:17:19,699

the top of a mountain and we're very

427

00:17:22,899 --> 00:17:20,990

short of water there I busy because all

428

00:17:23,980 --> 00:17:22,909

runs downhill and disappears ah and so

429

00:17:25,419 --> 00:17:23,990

we actually would like something to come

430

00:17:27,699 --> 00:17:25,429

up there and find water for us although

431

00:17:29,049 --> 00:17:27,709

last Saturday when it rained 140

432

00:17:31,250 --> 00:17:29,059

millimeters I don't think we need a

433

00:17:34,520 --> 00:17:31,260

divider and what have gone nuts

434

00:17:36,020 --> 00:17:34,530

I know you must remind me have you taken

435

00:17:38,690 --> 00:17:36,030

part in one of these water divining test

436

00:17:40,250 --> 00:17:38,700

before not heaven nah first-timer it's

437

00:17:42,380 --> 00:17:40,260

the first time at yes I mean I I

438

00:17:44,660 --> 00:17:42,390

remember seeing them I remember seeing

439

00:17:46,370 --> 00:17:44,670

the very first one the one that was no

440

00:17:49,070 --> 00:17:46,380

in all the rides Australian skeptics

441

00:17:51,290 --> 00:17:49,080

yeah I nineteen eighty years why back

442

00:17:52,310 --> 00:17:51,300

then you know if I was I think I don't

443

00:17:55,130 --> 00:17:52,320

even know what am i spending

444

00:17:56,800 --> 00:17:55,140

kindergarten um I'm not quite sure I

445

00:17:59,420 --> 00:17:56,810

Dibble actually remember seeing that and

446

00:18:01,850 --> 00:17:59,430

and obviously I remember the rain be one

447

00:18:04,130 --> 00:18:01,860

on the television later in the piece the

448

00:18:05,300 --> 00:18:04,140

one with Richard Cartman that so I've

449

00:18:07,130 --> 00:18:05,310

been watching it for years but never

450

00:18:08,630 --> 00:18:07,140

actually been to one you're in for quite

451

00:18:10,310 --> 00:18:08,640

an interesting experience where you

452

00:18:12,440 --> 00:18:10,320

start to meet the diviners and see them

453

00:18:14,210 --> 00:18:12,450

walking around some will get will fly

454

00:18:15,650 --> 00:18:14,220

through some will take an hour it's

455

00:18:17,360 --> 00:18:15,660

quite interesting one of the things I

456

00:18:20,960 --> 00:18:17,370

have seen my obviously just observing me

457

00:18:23,120 --> 00:18:20,970

outside diviners while we consider maybe

458

00:18:25,310 --> 00:18:23,130

that they're deluded they all seem to be

459

00:18:27,890 --> 00:18:25,320

really actually honest people they think

460

00:18:30,050 --> 00:18:27,900

they've actually got some I agree I've

461

00:18:32,510 --> 00:18:30,060

never actually met or heard of a diviner

462

00:18:34,570 --> 00:18:32,520

there's actually a crook unlike a lot of

463

00:18:37,400 --> 00:18:34,580

other people who do we were type stuff

464

00:18:39,530 --> 00:18:37,410

when I taste I know they know they're

465

00:18:41,120 --> 00:18:39,540

just why I think I think some know that

466

00:18:42,620 --> 00:18:41,130

they're out there on the take really I

467

00:18:43,880 --> 00:18:42,630

look I do that one of these with a lot

468

00:18:48,440 --> 00:18:43,890

of divine is particularly ones that work

469

00:18:49,730 --> 00:18:48,450

out in the bush it's they know if

470

00:18:51,620 --> 00:18:49,740

they've done it for years they recognize

471

00:18:53,660 --> 00:18:51,630

signs like different colors of the grass

472

00:18:55,930 --> 00:18:53,670

and so forth they might better put the

473

00:18:57,920 --> 00:18:55,940

thing right there's a form of expertise

474

00:19:01,010 --> 00:18:57,930

but of course if you do it anywhere in

475

00:19:02,450 --> 00:19:01,020

Sydney you dig deep enough Sydney sits

476

00:19:04,370 --> 00:19:02,460

on this huge block of sandstone next to

477

00:19:05,690 --> 00:19:04,380

the ocean it's full of water yeah you

478

00:19:07,520 --> 00:19:05,700

dig anywhere in Sydney dig deep enough

479

00:19:09,590 --> 00:19:07,530

you get a well that makes water if you

480

00:19:11,990 --> 00:19:09,600

do it out here in the bush generally

481

00:19:13,760 --> 00:19:12,000

these people are using observational

482

00:19:17,510 --> 00:19:13,770

skills that they may not know they have

483

00:19:18,500 --> 00:19:17,520

possibly so in the same way that some

484

00:19:20,870 --> 00:19:18,510

people can convince themselves that

485

00:19:22,640 --> 00:19:20,880

they're psychics even though they're

486

00:19:24,770 --> 00:19:22,650

doing a homework cold reading they may

487

00:19:26,810 --> 00:19:24,780

not know they're doing it just because

488

00:19:28,760 --> 00:19:26,820

they know the sort of questions to ask

489

00:19:29,960 --> 00:19:28,770

they know the sort of response as they

490

00:19:32,300 --> 00:19:29,970

get from people and they follow those

491

00:19:33,529 --> 00:19:32,310

responses along so I mean I don't I'm

492

00:19:35,509 --> 00:19:33,539

not saying that

493

00:19:36,919 --> 00:19:35,519

I think the diviners I create a

494

00:19:38,960 --> 00:19:36,929

proportional design with the Viners I

495

00:19:40,969 --> 00:19:38,970

look real and actually believe they can

496

00:19:41,840 --> 00:19:40,979

do it then the psychics do I think

497

00:19:43,190 --> 00:19:41,850

you're absolutely right and i think

498

00:19:44,960 --> 00:19:43,200

tomorrow when you meet some of them

499

00:19:46,519 --> 00:19:44,970

you'll really get that impression if

500

00:19:48,289 --> 00:19:46,529

they're anything like they were 11 years

501
00:19:50,090 --> 00:19:48,299
ago that the money of course that I know

502
00:19:52,310 --> 00:19:50,100
they will all do is about all agree in

503
00:19:53,960 --> 00:19:52,320
advance to all the conditions and at the

504
00:19:56,570 --> 00:19:53,970
end of the day I say is that I say I

505
00:19:59,629 --> 00:19:56,580
look but this was wrong it is wrong

506
00:20:01,580 --> 00:19:59,639
wrong there I'm actually glad it's not

507
00:20:03,049 --> 00:20:01,590
raining because as I said last week it

508
00:20:04,639 --> 00:20:03,059
was raining it would confuse them

509
00:20:07,070 --> 00:20:04,649
enormously collective 5.26 around

510
00:20:08,960 --> 00:20:07,080
there's water everywhere I think the

511
00:20:10,310 --> 00:20:08,970
band is striking up in the background

512
00:20:11,960 --> 00:20:10,320
over there and I think the dancing will

513
00:20:16,419 --> 00:20:11,970

start soon so Peter thank you very much

514

00:20:19,219 --> 00:20:16,429

thank you now it's done height from

515

00:20:21,560 --> 00:20:19,229

Victoria done is this your first water

516

00:20:22,909 --> 00:20:21,570

divining toaster it is indeed Richard

517

00:20:25,239 --> 00:20:22,919

and I'm really looking forward to right

518

00:20:28,039 --> 00:20:25,249

I have seen the video we think of as a

519

00:20:29,570 --> 00:20:28,049

2004 that the three thousand to two

520

00:20:32,479 --> 00:20:29,580

thousand and two so it so I've been

521

00:20:34,669 --> 00:20:32,489

prepping for this event by watching them

522

00:20:37,759 --> 00:20:34,679

the video and of course I was inspired

523

00:20:40,180 --> 00:20:37,769

by Tam last year of course we had I

524

00:20:43,430 --> 00:20:40,190

think his name was Matt and he was

525

00:20:45,680 --> 00:20:43,440

testing on stage with banner chicken

526
00:20:47,629 --> 00:20:45,690
song and I think you're up there ty was

527
00:20:49,460 --> 00:20:47,639
up there two years yes and he was

528
00:20:51,499 --> 00:20:49,470
testing a variation on the power

529
00:20:53,479 --> 00:20:51,509
wristband I think there was some sort of

530
00:20:57,139 --> 00:20:53,489
special chip or something like that in

531
00:20:59,839 --> 00:20:57,149
there and it look it was absolutely

532
00:21:02,599 --> 00:20:59,849
riveting up to about the 10th minute

533
00:21:04,219 --> 00:21:02,609
when it it was quite clear that he was

534
00:21:05,869 --> 00:21:04,229
not gonna pass I think you'll find

535
00:21:09,019 --> 00:21:05,879
tomorrow interesting because it can be a

536
00:21:10,489 --> 00:21:09,029
long day and when the water diviner

537
00:21:11,690 --> 00:21:10,499
start going but I think what you'll find

538
00:21:13,159 --> 00:21:11,700

is interesting is all the different

539

00:21:15,080 --> 00:21:13,169

techniques they have some will have

540

00:21:16,310 --> 00:21:15,090

wires some will have sticks some will do

541

00:21:18,919 --> 00:21:16,320

all sorts of things we can't even

542

00:21:20,210 --> 00:21:18,929

imagine yes indeed i'm really looking

543

00:21:21,950 --> 00:21:20,220

forward to though I mean we're going to

544

00:21:23,779 --> 00:21:21,960

have to do some serious slip slop

545

00:21:26,719 --> 00:21:23,789

slapping because we know it's going to

546

00:21:28,549 --> 00:21:26,729

be about 35 degrees tomorrow but I was

547

00:21:30,769 --> 00:21:28,559

listening to what Peter had to say

548

00:21:32,659 --> 00:21:30,779

before and what I'm really looking

549

00:21:34,609 --> 00:21:32,669

forward to is the excuses at the end of

550

00:21:37,070 --> 00:21:34,619

the day because these guys come up with

551
00:21:39,440 --> 00:21:37,080
the most amazing excuses as to why it

552
00:21:41,130 --> 00:21:39,450
didn't work but the scooters are always

553
00:21:43,890 --> 00:21:41,140
in retrospect

554
00:21:45,330 --> 00:21:43,900
you know i'm i'm not being psychic here

555
00:21:47,910 --> 00:21:45,340
by predicting that they're going to be

556
00:21:49,800 --> 00:21:47,920
excuses I'm a skeptic after all but I

557
00:21:52,050 --> 00:21:49,810
suspect they're going to be if his

558
00:21:54,360 --> 00:21:52,060
excuses say you know I suspect you're

559
00:21:55,650 --> 00:21:54,370
quite right I done big day ahead

560
00:21:57,990 --> 00:21:55,660
tomorrow I look forward to seeing you

561
00:22:00,000 --> 00:21:58,000
out there on the on the testing field

562
00:22:03,990 --> 00:22:00,010
looking forward to it Richard should be

563
00:22:16,840 --> 00:22:12,600

autocar after another fine night's sleep

564

00:22:20,020 --> 00:22:16,850

we've got up early and breakfast drove

565

00:22:22,840 --> 00:22:20,030

down to the field the field the testing

566

00:22:25,570 --> 00:22:22,850

field the old mitten meter tennis court

567

00:22:28,600 --> 00:22:25,580

which has been converted into a netball

568

00:22:30,370 --> 00:22:28,610

core nevertheless there it was and a

569

00:22:34,409 --> 00:22:30,380

group of us arrived early to start

570

00:22:39,039 --> 00:22:37,360

it's quarter past eight here on the date

571

00:22:40,600 --> 00:22:39,049

the big day the test right bag here we

572

00:22:42,070 --> 00:22:40,610

are ready to go with set up one of the

573

00:22:45,159 --> 00:22:42,080

tents we've got somebody sweeping the

574

00:22:46,680 --> 00:22:45,169

the field of where the testing is going

575

00:22:49,299 --> 00:22:46,690

to be and the other skeptics are busily

576

00:22:51,039 --> 00:22:49,309

getting themselves together it's going

577

00:22:53,230 --> 00:22:51,049

to be a fun day I think it's gonna be an

578

00:22:55,150 --> 00:22:53,240

excellent day the weather is fine yeah a

579

00:22:56,560 --> 00:22:55,160

bit of cloud cover we did beg of it yes

580

00:22:58,150 --> 00:22:56,570

that would just mean the sunburnt worse

581

00:23:00,370 --> 00:22:58,160

but that's right and we won't nose a

582

00:23:02,200 --> 00:23:00,380

little tomorrow but I think it's the

583

00:23:03,730 --> 00:23:02,210

perfect weather yeah it could have been

584

00:23:04,930 --> 00:23:03,740

raining which of course would be Vince

585

00:23:06,370 --> 00:23:04,940

distraction for all the dowers cuz

586

00:23:09,310 --> 00:23:06,380

they're simply say the early well that

587

00:23:11,080 --> 00:23:09,320

would be disappointing when it's a beast

588

00:23:13,090 --> 00:23:11,090

it's very easy to find rain when it won

589

00:23:16,120 --> 00:23:13,100

water when it's raining I'm looking

590

00:23:17,409 --> 00:23:16,130

forward to it because I think that yeah

591

00:23:19,030 --> 00:23:17,419

aight i haven't moved one of those

592

00:23:22,210 --> 00:23:19,040

before oh it seems yes but i've been

593

00:23:23,500 --> 00:23:22,220

following dowsing for forever and so

594

00:23:24,909 --> 00:23:23,510

I've interest to actually see how we do

595

00:23:28,539 --> 00:23:24,919

it how we run the experiment here we

596

00:23:29,620 --> 00:23:28,549

yeah and then what we find me too and

597

00:23:31,419 --> 00:23:29,630

the other skeptics are over there

598

00:23:33,490 --> 00:23:31,429

setting up yet another tent which is

599

00:23:35,770 --> 00:23:33,500

really good it's a quite a wonderful

600

00:23:37,840 --> 00:23:35,780

scene here that it's because it's the

601
00:23:39,580 --> 00:23:37,850
sun's not out yet I mean it's still hard

602
00:23:41,919 --> 00:23:39,590
week on cars it's very pleasant but

603
00:23:43,419 --> 00:23:41,929
we've got a giant shark inflatable shark

604
00:23:46,630 --> 00:23:43,429
the horses are getting ready in that

605
00:23:49,299 --> 00:23:46,640
corner over there we've got equestrian

606
00:23:51,010 --> 00:23:49,309
events being set up over there it looks

607
00:23:53,080 --> 00:23:51,020
like a really a good dive it's not just

608
00:23:55,000 --> 00:23:53,090
this it's it's a home it's a whole

609
00:23:56,380 --> 00:23:55,010
country fair is unhappy here and even

610
00:23:57,940 --> 00:23:56,390
over there we've got the old steam

611
00:23:59,860 --> 00:23:57,950
engines and I know you and Bryce our

612
00:24:01,330 --> 00:23:59,870
engineer will be very excited to go and

613
00:24:03,730 --> 00:24:01,340

see like oh I like those sort of things

614

00:24:06,070 --> 00:24:03,740

so they have those email yes at the

615

00:24:07,930 --> 00:24:06,080

Greenville fair but as you've got AG

616

00:24:09,820 --> 00:24:07,940

local group be that come in with all of

617

00:24:10,960 --> 00:24:09,830

these ancient steam engines and or sleep

618

00:24:13,510 --> 00:24:10,970

farm machinery rather than saline

619

00:24:15,340 --> 00:24:13,520

engines yeah and it's wonderful stuff

620

00:24:17,140 --> 00:24:15,350

I'm fascinated by the big shark slide

621

00:24:19,150 --> 00:24:17,150

right over these sharks I've never seen

622

00:24:20,799 --> 00:24:19,160

such a big inflatable shark in mind no

623

00:24:22,150 --> 00:24:20,809

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

624

00:24:24,730 --> 00:24:22,160

let me the jumping castle for the too

625

00:24:26,380 --> 00:24:24,740

tall I just hope that I'm not too tall

626

00:24:31,840 --> 00:24:26,390

to go on the sliding on the Sharks lied

627

00:24:33,850 --> 00:24:31,850

because I make my day well as we thought

628

00:24:35,560 --> 00:24:33,860

Ian Bryce there are a couple of diviners

629

00:24:37,180 --> 00:24:35,570

showed up very early and having a chat

630

00:24:40,480 --> 00:24:37,190

to us and they were telling you some of

631

00:24:41,680 --> 00:24:40,490

their concerns yes indeed when problem

632

00:24:44,620 --> 00:24:41,690

is that there are two different types of

633

00:24:46,930 --> 00:24:44,630

sand apparently there's river sand which

634

00:24:47,710 --> 00:24:46,940

has got minerals in it which metal rods

635

00:24:50,890 --> 00:24:47,720

risk

636

00:24:55,600 --> 00:24:50,900

and there's fricke sand which is washed

637

00:24:57,399 --> 00:24:55,610

free of all minerals and only wooden

638

00:24:58,840 --> 00:24:57,409

rods respond to that so there's two

639

00:25:00,430 --> 00:24:58,850

different thing that's good to know so

640

00:25:01,750 --> 00:25:00,440

that's the other sub and what was the

641

00:25:04,270 --> 00:25:01,760

other concern something to do with the

642

00:25:06,310 --> 00:25:04,280

metal poles thought if you've heard of

643

00:25:10,510 --> 00:25:06,320

spontaneous human combustion I'm sure I

644

00:25:11,830 --> 00:25:10,520

have well that's if you calculate you'll

645

00:25:13,299 --> 00:25:11,840

find out the third of the body burns

646

00:25:16,149 --> 00:25:13,309

away and that because the third of the

647

00:25:18,130 --> 00:25:16,159

body consists of static electricity that

648

00:25:21,190 --> 00:25:18,140

interferes with divine is this what one

649

00:25:23,289 --> 00:25:21,200

of them just told he is she okay well

650

00:25:24,820 --> 00:25:23,299

you know I cut this is better than I

651
00:25:26,020 --> 00:25:24,830
could imagine because it's normally at

652
00:25:29,200 --> 00:25:26,030
the end of the day we hear all these

653
00:25:31,149 --> 00:25:29,210
wonderful new theories and excuses but

654
00:25:33,039 --> 00:25:31,159
this coming thick and fast already the

655
00:25:34,899 --> 00:25:33,049
problem is here that we're in a tennis

656
00:25:36,250 --> 00:25:34,909
court of the metal fence yeah and if

657
00:25:38,440 --> 00:25:36,260
some of those poles go down too far

658
00:25:41,440 --> 00:25:38,450
enough to enter to connect with the

659
00:25:43,360 --> 00:25:41,450
electrical earth of the planet the metal

660
00:25:45,190 --> 00:25:43,370
interfere with the divining rods see

661
00:25:47,110 --> 00:25:45,200
it's amazing divining works at all the

662
00:25:52,810 --> 00:25:47,120
innocent so many things can go wrong

663
00:25:55,980 --> 00:25:52,820

everything from joe rob one of the tasks

664

00:25:59,740 --> 00:25:55,990

on the day was to run down to the river

665

00:26:02,049 --> 00:25:59,750

with lots of two liter milk bottles

666

00:26:06,430 --> 00:26:02,059

plastic milk bottles and fill them up

667

00:26:13,450 --> 00:26:08,830

come with Steve Roberts and his little

668

00:26:16,749 --> 00:26:13,460

green wagon and put walking down from

669

00:26:19,060 --> 00:26:16,759

the tennis court the netball court quite

670

00:26:21,549 --> 00:26:19,070

a distance actually down to the river so

671

00:26:23,440 --> 00:26:21,559

we need to use fresh river water Steve

672

00:26:25,480 --> 00:26:23,450

yes from the foaming waters of the

673

00:26:27,509 --> 00:26:25,490

middle river which is here somewhere

674

00:26:29,980 --> 00:26:27,519

because we can find it it's a river

675

00:26:32,379 --> 00:26:29,990

walking down a path their campus here

676
00:26:35,289 --> 00:26:32,389
look these people camping here for the

677
00:26:37,539 --> 00:26:35,299
show but it can be near the river yeah

678
00:26:39,039 --> 00:26:37,549
this might be a way down here there's

679
00:26:41,740 --> 00:26:39,049
the river look at that the flowing

680
00:26:47,619 --> 00:26:41,750
waters are foaming your course foamy of

681
00:26:52,159 --> 00:26:50,060
upon our return from the river and once

682
00:26:54,980 --> 00:26:52,169
we set the bottles out on the court to

683
00:26:56,869 --> 00:26:54,990
to inspect them we noticed that there

684
00:26:58,639 --> 00:26:56,879
was a lot of condensation on the outside

685
00:27:00,350 --> 00:26:58,649
of the bottles this could be a problem

686
00:27:03,769 --> 00:27:00,360
as the bottles were going to be wrapped

687
00:27:06,200 --> 00:27:03,779
up in cloth bags luckily the bottles

688
00:27:09,289 --> 00:27:06,210

didn't stay wet for long and dried out

689

00:27:11,060 --> 00:27:09,299

very nicely in the Sun before long it

690

00:27:16,000 --> 00:27:11,070

was time for Steve Roberts to begin the

691

00:27:21,490 --> 00:27:17,500

and they're the same as the other

692

00:27:23,830 --> 00:27:21,500

samples and we asked you divine these

693

00:27:26,020 --> 00:27:23,840

for successfully and there's a space on

694

00:27:27,820 --> 00:27:26,030

the sheet for doing that to make sure

695

00:27:30,430 --> 00:27:27,830

your odds and techniques are working

696

00:27:31,540 --> 00:27:30,440

then you divine the other samples one of

697

00:27:33,400 --> 00:27:31,550

us will follow you around with a

698

00:27:35,350 --> 00:27:33,410

clipboard and try not get in the way so

699

00:27:37,660 --> 00:27:35,360

if you want them to step back a meter or

700

00:27:38,830 --> 00:27:37,670

so that's fine or be off the court all

701
00:27:40,780 --> 00:27:38,840
together or whatever but let me lots of

702
00:27:43,300 --> 00:27:40,790
people in the court and as you go around

703
00:27:44,500 --> 00:27:43,310
you say if its water or sand was good of

704
00:27:47,170 --> 00:27:44,510
a technique you got up and we run it

705
00:27:49,300 --> 00:27:47,180
down on the on the form here we keep a

706
00:27:51,790 --> 00:27:49,310
copy there it's you get to keep so you

707
00:27:53,170 --> 00:27:51,800
have to record it for yourself and none

708
00:27:56,860 --> 00:27:53,180
of us know whether these samples of

709
00:27:58,360 --> 00:27:56,870
water or sand at all i know about for

710
00:28:02,620 --> 00:27:58,370
them and he does about for them that's

711
00:28:04,630 --> 00:28:02,630
about it and after you've all been round

712
00:28:06,640 --> 00:28:04,640
to your satisfaction will close the toil

713
00:28:09,460 --> 00:28:06,650

for will close that trial and be about

714

00:28:11,590 --> 00:28:09,470

an hour and then we reveal what's in all

715

00:28:12,910 --> 00:28:11,600

the samples we can go around again

716

00:28:14,650 --> 00:28:12,920

fairly quickly then we get them all back

717

00:28:16,630 --> 00:28:14,660

in again randomized again put them on

718

00:28:18,700 --> 00:28:16,640

out again and do the whole test again

719

00:28:22,230 --> 00:28:18,710

can we do that many times doing the days

720

00:28:26,030 --> 00:28:22,240

that probably about once an hour okay

721

00:28:32,540 --> 00:28:29,810

so off the diviners went eager to see if

722

00:28:35,300 --> 00:28:32,550

they could be the first to pass our

723

00:28:36,680 --> 00:28:35,310

divining test it's getting very warm out

724

00:28:38,390 --> 00:28:36,690

there on the lieutenant scored the

725

00:28:42,080 --> 00:28:38,400

netball court but the diviners went out

726

00:28:45,950 --> 00:28:42,090

accompanied by a scorekeeper one by one

727

00:28:49,940 --> 00:28:45,960

they went around the 20 bottles of water

728

00:28:52,040 --> 00:28:49,950

or sand some had water some head sand it

729

00:28:53,960 --> 00:28:52,050

will randomize sir nobody knew what was

730

00:28:55,730 --> 00:28:53,970

what I caught up with one of the

731

00:28:59,000 --> 00:28:55,740

diviners after they'd finished their

732

00:29:01,280 --> 00:28:59,010

test we just had one of the Viner

733

00:29:02,630 --> 00:29:01,290

finished and what do you think of the

734

00:29:04,700 --> 00:29:02,640

conditions today you're happy yeah

735

00:29:06,530 --> 00:29:04,710

excellent and I saw you going out there

736

00:29:09,340 --> 00:29:06,540

look like you were getting some positive

737

00:29:11,960 --> 00:29:09,350

feedback so you think you did ok yep yep

738

00:29:14,960 --> 00:29:11,970

if you ever taken partner divining test

739

00:29:17,300 --> 00:29:14,970

before no no no first on first time yep

740

00:29:19,490 --> 00:29:17,310

all the best to you yep best part of an

741

00:29:21,440 --> 00:29:19,500

hour into the test of the court is full

742

00:29:22,940 --> 00:29:21,450

of diviners and helpers and skeptics how

743

00:29:24,620 --> 00:29:22,950

do you think it's going to a wonderful

744

00:29:26,990 --> 00:29:24,630

so we're about half an hour mean there's

745

00:29:29,690 --> 00:29:27,000

65 diviners on the courts spread evenly

746

00:29:31,190 --> 00:29:29,700

of all the samples we've gotta help out

747

00:29:32,960 --> 00:29:31,200

with each one's a film for that open

748

00:29:34,430 --> 00:29:32,970

email very smooth it's going very smooth

749

00:29:36,400 --> 00:29:34,440

very smoothly you put a lot of Simon's

750

00:29:38,600 --> 00:29:36,410

preparing this organizing it and

751

00:29:40,460 --> 00:29:38,610

catering for possible excuses to some

752

00:29:42,440 --> 00:29:40,470

extent look I'm looking though chum but

753

00:29:44,000 --> 00:29:42,450

yeah we've done what we can and you

754

00:29:46,820 --> 00:29:44,010

finish the diviners it so it's a good

755

00:29:50,600 --> 00:29:46,830

fair test they get a fair go and we'll

756

00:29:54,560 --> 00:29:52,610

one of the interesting things for me

757

00:29:56,480 --> 00:29:54,570

watching this and taking part as a

758

00:29:58,910 --> 00:29:56,490

scrutineer and various other activities

759

00:30:01,630 --> 00:29:58,920

was to see the different methods water

760

00:30:04,640 --> 00:30:01,640

diviners used in order to detect water

761

00:30:07,610 --> 00:30:04,650

when he used the traditional wire pole

762

00:30:10,400 --> 00:30:07,620

bent wire rod some you stick some use

763

00:30:12,700 --> 00:30:10,410

many sticks one guy used a cricket ball

764

00:30:15,260 --> 00:30:12,710

on the end of a long bit of string

765

00:30:18,710 --> 00:30:15,270

rocking back and forth another man used

766

00:30:20,780 --> 00:30:18,720

a six-sided dice on the end of a string

767

00:30:22,280 --> 00:30:20,790

I think was made out of the dust has

768

00:30:26,450 --> 00:30:22,290

made out of brass or something like that

769

00:30:32,919 --> 00:30:26,460

as a pendulum all sorts of things going

770

00:30:36,740 --> 00:30:32,929

on while I'm on the court now it's about

771

00:30:39,320 --> 00:30:36,750

three left in this round three two water

772

00:30:41,750 --> 00:30:39,330

diviners left I just don't want to

773

00:30:43,850 --> 00:30:41,760

disturb their concentration so each

774

00:30:47,210 --> 00:30:43,860

diviner is walking around putting their

775

00:30:48,890 --> 00:30:47,220

divining rods over the bottle of water

776

00:30:51,200 --> 00:30:48,900

which is covered with a bag so we don't

777

00:30:53,240 --> 00:30:51,210

know whether the water has sand or we

778

00:30:56,600 --> 00:30:53,250

don't know if the bag the box the bottle

779

00:30:58,190 --> 00:30:56,610

at sound of water and right now a

780

00:31:00,860 --> 00:30:58,200

diviner has got his divining rod over a

781

00:31:04,030 --> 00:31:00,870

bag and he's just concentrating and

782

00:31:08,450 --> 00:31:04,040

he'll tell the scrutineer what it is

783

00:31:12,909 --> 00:31:08,460

sandy says and that was number 19 so

784

00:31:16,070 --> 00:31:12,919

pretty soon this round will be over and

785

00:31:20,000 --> 00:31:16,080

we will reveal the contents of all the

786

00:31:22,549 --> 00:31:20,010

boxes and the bottles and see who scored

787

00:31:24,590 --> 00:31:22,559

what you think that there are it isn't

788

00:31:25,610 --> 00:31:24,600

so we have another another diviner has

789

00:31:28,010 --> 00:31:25,620

finished what did you think of the

790

00:31:29,419 --> 00:31:28,020

conditions out there today I love to bed

791

00:31:32,299 --> 00:31:29,429

is what there is actually wore for

792

00:31:33,950 --> 00:31:32,309

underneath those under the ground here

793

00:31:35,299 --> 00:31:33,960

because it's all riverbeds right Morse

794

00:31:37,669 --> 00:31:35,309

oaks and riverbeds but i think we

795

00:31:39,440 --> 00:31:37,679

donated for that when your device also

796

00:31:41,570 --> 00:31:39,450

don't know what we had look at the court

797

00:31:43,669 --> 00:31:41,580

before we started so i knew pretty well

798

00:31:46,070 --> 00:31:43,679

where they were but things vibe back

799

00:31:49,190 --> 00:31:46,080

away from the sample hmm and moved one

800

00:31:52,340 --> 00:31:49,200

side there's every likelihood i'll pick

801
00:31:54,200 --> 00:31:52,350
there i'll pick the so called the string

802
00:31:55,850 --> 00:31:54,210
that's correct right cool aberration

803
00:31:57,770 --> 00:31:55,860
little generally speaking do you think

804
00:32:00,620 --> 00:31:57,780
you got a good reaction on the samples

805
00:32:02,419 --> 00:32:00,630
that were water yeah yeah but it's not

806
00:32:03,440 --> 00:32:02,429
sort of the sort of thing we're looking

807
00:32:06,259 --> 00:32:03,450
for women do

808
00:32:08,389 --> 00:32:06,269
buying a stagnant water yeah well did

809
00:32:12,470 --> 00:32:08,399
you have any problems of the calibration

810
00:32:14,389 --> 00:32:12,480
ones we 9y we'll just pick them up and

811
00:32:16,070 --> 00:32:14,399
just rotate around it but the thing is

812
00:32:18,169 --> 00:32:16,080
it will do the same thing to minerals

813
00:32:21,019 --> 00:32:18,179

okay so that's why I'm actually using

814

00:32:22,879 --> 00:32:21,029

their that one as well you've got what's

815

00:32:25,039 --> 00:32:22,889

this one here that looks very green a

816

00:32:26,930 --> 00:32:25,049

green fork stick that's what will I will

817

00:32:28,490 --> 00:32:26,940

oh ok that's very does it won't break if

818

00:32:33,740 --> 00:32:28,500

you know the stick you've got over there

819

00:32:35,659 --> 00:32:33,750

oh I ones old ones yeah yeah I reckon I

820

00:32:37,490 --> 00:32:35,669

can break those yeah that one's this

821

00:32:39,680 --> 00:32:37,500

one's really lexical yeah yeah willow is

822

00:32:42,350 --> 00:32:39,690

very flexible gum tree will shatter yeah

823

00:32:44,750 --> 00:32:42,360

if you get a good to Eddie good string

824

00:32:47,090 --> 00:32:44,760

the gum tree will pull around trying to

825

00:32:48,919 --> 00:32:47,100

cool itself around in a circle and in

826

00:32:51,980 --> 00:32:48,929

the process of a break because it's not

827

00:32:54,200 --> 00:32:51,990

very good and attention Wow I'd like to

828

00:32:56,539 --> 00:32:54,210

see that that must be spectacular yeah

829

00:32:58,250 --> 00:32:56,549

you can do it then I can tell you

830

00:33:00,289 --> 00:32:58,260

anything I tried a couple of hours but

831

00:33:01,879 --> 00:33:00,299

yet there are very brittle pieces yeah i

832

00:33:04,519 --> 00:33:01,889

think the timber yeah it'll it'll

833

00:33:07,639 --> 00:33:04,529

shatter i think i think you're over 21 a

834

00:33:10,250 --> 00:33:07,649

while ago just watch said someone oh

835

00:33:12,860 --> 00:33:10,260

well I can see it's in full swing so

836

00:33:14,539 --> 00:33:12,870

yeah thnkx isn't a girl it shouldn't

837

00:33:16,730 --> 00:33:14,549

take too much longer but a no then we

838

00:33:20,560 --> 00:33:16,740

can have scatter Miranda gained have

839

00:33:22,789 --> 00:33:20,570

another guy yeah all the best oh

840

00:33:26,210 --> 00:33:22,799

finally after a couple of hours the

841

00:33:28,250 --> 00:33:26,220

first round was over skeptics went on to

842

00:33:31,009 --> 00:33:28,260

the tennis court and took out all the

843

00:33:32,810 --> 00:33:31,019

bottles from their bags and laid them on

844

00:33:35,840 --> 00:33:32,820

top of the tennis court so everybody

845

00:33:38,930 --> 00:33:35,850

could see which had water and which had

846

00:33:40,220 --> 00:33:38,940

sand after that all the water diviners

847

00:33:44,060 --> 00:33:40,230

hurried onto the course

848

00:33:45,289 --> 00:33:44,070

to check their scores so it's all over

849

00:33:47,419 --> 00:33:45,299

for the first round in any way and

850

00:33:49,880 --> 00:33:47,429

you're going around now double checking

851
00:33:54,020 --> 00:33:49,890
since we've revealed where everything is

852
00:33:57,710 --> 00:33:54,030
how are you going so far about 5050 so

853
00:33:58,909 --> 00:33:57,720
I'm hoping to improve on the last bit so

854
00:34:00,380 --> 00:33:58,919
you've checked about half of them now

855
00:34:02,480 --> 00:34:00,390
and yeah we're wandering around we can

856
00:34:04,970 --> 00:34:02,490
clearly see water or soda water or sand

857
00:34:06,230 --> 00:34:04,980
yes but I couldn't help but overhearing

858
00:34:09,230 --> 00:34:06,240
you just want to beat your husband is

859
00:34:11,270 --> 00:34:09,240
that right that's exactly we're a bit

860
00:34:14,149 --> 00:34:11,280
competitive firstly yeah well you never

861
00:34:18,500 --> 00:34:14,159
know you might yeah I'd like to Google

862
00:34:20,990 --> 00:34:18,510
I'll let you know if I do at the

863
00:34:23,330 --> 00:34:21,000

scrutineers table Steve Roberts how is

864

00:34:24,859 --> 00:34:23,340

it going oh pretty good somebody got 13

865

00:34:27,109 --> 00:34:24,869

but I mean that's what you expect at

866

00:34:30,230 --> 00:34:27,119

random if you test enough people so

867

00:34:33,500 --> 00:34:30,240

we've got a 12 1280 13 so so far you're

868

00:34:36,139 --> 00:34:33,510

just copying the marks out they're gonna

869

00:34:38,690 --> 00:34:36,149

all having to go on the cordless phone

870

00:34:40,040 --> 00:34:38,700

was out again I feel fairly soon when

871

00:34:41,450 --> 00:34:40,050

they're when they finished on the court

872

00:34:43,639 --> 00:34:41,460

and they were at peace you know will ya

873

00:34:47,240 --> 00:34:43,649

spec them all up and up some of that

874

00:34:48,740 --> 00:34:47,250

again carry on thank you rather scores

875

00:34:52,310 --> 00:34:48,750

have been tallied at the end of the

876

00:34:55,879 --> 00:34:52,320

first round and I note that two out of

877

00:35:00,140 --> 00:34:55,889

16 got a score of 13 out of 20 the rest

878

00:35:04,820 --> 00:35:00,150

are ranging from there's a 7 8 9 10 11

879

00:35:06,890 --> 00:35:04,830

12 and 13 and very evenly very evenly

880

00:35:10,310 --> 00:35:06,900

distributed we're just going to make up

881

00:35:12,819 --> 00:35:10,320

a bell curve and get stuck into round

882

00:35:15,160 --> 00:35:12,829

two if you have a texture color time

883

00:35:16,930 --> 00:35:15,170

well once the results would put up on

884

00:35:19,779 --> 00:35:16,940

the board for all to see the diviners

885

00:35:22,120 --> 00:35:19,789

took a great interest in this and they

886

00:35:25,479 --> 00:35:22,130

could also see that nobody had got even

887

00:35:28,719 --> 00:35:25,489

close to showing any divining ability

888

00:35:31,749 --> 00:35:28,729

I'm pleased to say most of them took it

889

00:35:36,819 --> 00:35:31,759

here very well and decided to have

890

00:35:39,009 --> 00:35:36,829

another go in the next round and now

891

00:35:41,949 --> 00:35:39,019

it's round two and once again we venture

892

00:35:45,819 --> 00:35:41,959

onto this country tennis court or

893

00:35:47,739 --> 00:35:45,829

netball court has been turned into and a

894

00:35:49,239 --> 00:35:47,749

lot of diviners are back for a second go

895

00:35:53,019 --> 00:35:49,249

a lot of new diviners has showed up this

896

00:35:54,309 --> 00:35:53,029

afternoon and is about six or seven on

897

00:35:56,140 --> 00:35:54,319

the court at the moment with their

898

00:35:58,660 --> 00:35:56,150

scrutineers walking around concentrating

899

00:36:00,900 --> 00:35:58,670

this ladies using a fork stick a classic

900

00:36:03,969 --> 00:36:00,910

stick two women are one woman has a

901
00:36:05,880 --> 00:36:03,979
like a bent coat hanger I think another

902
00:36:08,079 --> 00:36:05,890
guy over there's got two metal rods

903
00:36:11,170 --> 00:36:08,089
what's this person over here is a little

904
00:36:12,640 --> 00:36:11,180
boy here with two metal rods and another

905
00:36:14,799 --> 00:36:12,650
diviner with two metal rods so we're

906
00:36:18,339 --> 00:36:14,809
getting a bit of a getting a bit of a

907
00:36:19,900 --> 00:36:18,349
mixture today there wasn't too much

908
00:36:21,910 --> 00:36:19,910
complaining about the results of the

909
00:36:24,759 --> 00:36:21,920
first trial although somebody said that

910
00:36:26,079 --> 00:36:24,769
if the sand has water in it then that

911
00:36:27,819 --> 00:36:26,089
would throw off his water divining

912
00:36:30,849 --> 00:36:27,829
ability to be honest we expecting to

913
00:36:36,699 --> 00:36:30,859

hear some interesting excuses during the

914

00:36:38,979 --> 00:36:36,709

course of the day I was delighted to see

915

00:36:41,859 --> 00:36:38,989

dr. crew see Wilson the roving reporter

916

00:36:44,199 --> 00:36:41,869

for the skeptic zone turn up to look at

917

00:36:46,359 --> 00:36:44,209

the tests and she did a lot of the

918

00:36:48,249 --> 00:36:46,369

publicity a lot of the media work in

919

00:36:54,930 --> 00:36:48,259

promoting the my team into master water

920

00:36:57,910 --> 00:36:54,940

divining test Chrissy Wilson hello hello

921

00:36:59,739 --> 00:36:57,920

wow it's so hot it is it's getting

922

00:37:01,150 --> 00:36:59,749

hotter and hotter come back you into the

923

00:37:03,519 --> 00:37:01,160

show you'd suspect er now you've been

924

00:37:04,809 --> 00:37:03,529

having a chat with some of the diviners

925

00:37:07,539 --> 00:37:04,819

what have they been telling you the

926
00:37:10,930 --> 00:37:07,549
whiners did you see the Freudian

927
00:37:13,269 --> 00:37:10,940
selective everyone's you said whiners I

928
00:37:15,459 --> 00:37:13,279
said the fine folks you can play it back

929
00:37:17,650 --> 00:37:15,469
and here it is over yeah um yeah we've

930
00:37:21,309 --> 00:37:17,660
had two guys now

931
00:37:25,240 --> 00:37:21,319
and some of them have expressed to me

932
00:37:26,880 --> 00:37:25,250
some reasons why they haven't done as

933
00:37:30,490 --> 00:37:26,890
well as I thought they would do

934
00:37:32,589 --> 00:37:30,500
apparently there's minerals and sand and

935
00:37:35,049 --> 00:37:32,599
the rods are picking up the minerals in

936
00:37:37,630 --> 00:37:35,059
the sound so we should have used flour

937
00:37:40,120 --> 00:37:37,640
Wow yeah apparently that's that's where

938
00:37:42,789 --> 00:37:40,130

we've gone wrong and so we should have

939

00:37:45,339 --> 00:37:42,799

had flower I'm going to say I mean

940

00:37:47,440 --> 00:37:45,349

they're all very sincere people they're

941

00:37:50,109 --> 00:37:47,450

not here to make a fast buck they're not

942

00:37:52,180 --> 00:37:50,119

they're not you know charlatans they are

943

00:37:53,920 --> 00:37:52,190

genuine nice nice i can i get an

944

00:37:56,650 --> 00:37:53,930

impression absolutely and take it very

945

00:37:58,240 --> 00:37:56,660

very serious yes very seriously and we

946

00:37:59,470 --> 00:37:58,250

can we're seeing half the court at the

947

00:38:01,650 --> 00:37:59,480

moment as we speak from this to the

948

00:38:03,640 --> 00:38:01,660

vantage point and look at him go looking

949

00:38:05,109 --> 00:38:03,650

concentration he stepping on yeah that

950

00:38:07,210 --> 00:38:05,119

that chap in the far corner though

951
00:38:09,609 --> 00:38:07,220
that's that's and expecting a couple of

952
00:38:12,520 --> 00:38:09,619
times so lovely blown actually very

953
00:38:14,410 --> 00:38:12,530
genuine and and your mum had a guy my

954
00:38:18,279 --> 00:38:14,420
mom had to go I'm terrified she's gonna

955
00:38:19,809 --> 00:38:18,289
get like 18 or 20 19 20 she was holding

956
00:38:21,370 --> 00:38:19,819
up proceedings though because she was

957
00:38:24,279 --> 00:38:21,380
Jen that this is embarrassing but she

958
00:38:27,370 --> 00:38:24,289
was genuinely genuinely waiting to get a

959
00:38:30,160 --> 00:38:27,380
real identifying a huge was not a bikini

960
00:38:33,010 --> 00:38:30,170
stop working that um just guess it's not

961
00:38:35,230 --> 00:38:33,020
real but yeah it's gonna be a Larry as

962
00:38:36,519 --> 00:38:35,240
it turns out that she's got she go to

963
00:38:37,990 --> 00:38:36,529

school and that would be that would be

964

00:38:40,180 --> 00:38:38,000

right but it's a fantastically

965

00:38:42,700 --> 00:38:40,190

successful event oh it's wonderful the

966

00:38:44,740 --> 00:38:42,710

only brilliant job being is it's just

967

00:38:46,000 --> 00:38:44,750

hot it's really hot and it's a lot of

968

00:38:47,349 --> 00:38:46,010

heat coming off the tennis court so I'm

969

00:38:49,930 --> 00:38:47,359

running around making sure skeptics are

970

00:38:52,210 --> 00:38:49,940

got though water and sunscreen on well

971

00:38:55,230 --> 00:38:52,220

maybe all this added moisture is going

972

00:38:58,740 --> 00:38:55,240

to be interfering with Logan's my DS

973

00:39:02,109 --> 00:38:58,750

we're doing running in rivers of sweat

974

00:39:04,240 --> 00:39:02,119

maybe that's going to be a confounding

975

00:39:07,780 --> 00:39:04,250

variable in result here comes our old

976

00:39:14,360 --> 00:39:11,870

take what you can hear now is me marking

977

00:39:16,550 --> 00:39:14,370

some of the scorecards crosses or ticks

978

00:39:20,140 --> 00:39:16,560

either they got it right will they go

979

00:39:26,940 --> 00:39:20,150

wrong this process went on for some time

980

00:39:30,870 --> 00:39:28,800

after looking at the scores from the

981

00:39:36,060 --> 00:39:30,880

second round I had a word to our

982

00:39:38,220 --> 00:39:36,070

statistician Ian Bryce we should move

983

00:39:40,470 --> 00:39:38,230

into the stage guys it was shady and

984

00:39:43,920 --> 00:39:40,480

Bryce and I just noticed that you are

985

00:39:45,839 --> 00:39:43,930

looking at the histogram and it's more

986

00:39:48,030 --> 00:39:45,849

or less going along the lines of the

987

00:39:50,520 --> 00:39:48,040

classic belper wouldn't you say yes it

988

00:39:52,560 --> 00:39:50,530

is the highest point is nine which is

989

00:39:54,780 --> 00:39:52,570

very close to 10 with in statistical

990

00:39:56,339 --> 00:39:54,790

variation yeah and the first round we

991

00:39:58,710 --> 00:39:56,349

colored in in black and the second run

992

00:40:00,390 --> 00:39:58,720

recovered Calladine in red and you can

993

00:40:02,160 --> 00:40:00,400

see that the more points we get the more

994

00:40:03,720 --> 00:40:02,170

it approximates to a bell curve it's

995

00:40:07,380 --> 00:40:03,730

looking that way the highest score so

996

00:40:09,120 --> 00:40:07,390

far is 15 which is interesting but still

997

00:40:10,800 --> 00:40:09,130

within what you would expect given the

998

00:40:13,620 --> 00:40:10,810

more and more contestants we have coming

999

00:40:15,720 --> 00:40:13,630

through that's right yes it's not that

1000

00:40:17,099 --> 00:40:15,730

easy to explain to someone that although

1001
00:40:18,420 --> 00:40:17,109
they've got the highest score on the day

1002
00:40:19,980 --> 00:40:18,430
it's still below chance because they

1003
00:40:23,730 --> 00:40:19,990
want to go home saying they the champion

1004
00:40:25,349 --> 00:40:23,740
Devon oh that's very difficult one to

1005
00:40:26,849 --> 00:40:25,359
answer probably how many people have we

1006
00:40:29,640 --> 00:40:26,859
had food can you remember how many

1007
00:40:32,400 --> 00:40:29,650
people have we had do we know 16 and 20

1008
00:40:35,400 --> 00:40:32,410
roughly speaking so 36 today but they've

1009
00:40:36,870 --> 00:40:35,410
been repeats oh well yes you half of the

1010
00:40:39,180 --> 00:40:36,880
second group I'd say we're repeating

1011
00:40:40,290 --> 00:40:39,190
other gopis and we're waiting now for a

1012
00:40:42,150 --> 00:40:40,300
little break and then we'll have another

1013
00:40:43,859 --> 00:40:42,160

round yes looking forward I can see the

1014

00:40:47,000 --> 00:40:43,869

Bach the the bottles were already laid

1015

00:40:50,030 --> 00:40:47,010

out ready to go yes indeed

1016

00:40:54,170 --> 00:40:50,040

I caught up with an interesting diviner

1017

00:41:00,180 --> 00:40:54,180

who earlier in the day had divined diet

1018

00:41:02,880 --> 00:41:00,190

coke hmm I asked him about his procedure

1019

00:41:06,040 --> 00:41:02,890

I'm with the water diviner here who

1020

00:41:08,950 --> 00:41:06,050

Divine's diet coke is that true well

1021

00:41:10,570 --> 00:41:08,960

every object has a serial number and I'm

1022

00:41:12,670 --> 00:41:10,580

not too sure what you came up with what

1023

00:41:16,600 --> 00:41:12,680

was it Lori and bad luck like was about

1024

00:41:19,180 --> 00:41:16,610

17 or ever do what's water quarter seven

1025

00:41:23,020 --> 00:41:19,190

survey the serial number of orders 7 as

1026

00:41:25,090 --> 00:41:23,030

well as copper so you can't really get

1027

00:41:27,370 --> 00:41:25,100

them confused because then at the end of

1028

00:41:29,530 --> 00:41:27,380

the rotations that pulls in a different

1029

00:41:31,090 --> 00:41:29,540

direction the courts water is a

1030

00:41:33,250 --> 00:41:31,100

different direction to copper they tell

1031

00:41:35,440 --> 00:41:33,260

you distinguish them all right so I knew

1032

00:41:38,530 --> 00:41:35,450

how to go out here earlier today or only

1033

00:41:40,600 --> 00:41:38,540

one or twice I've had two games how did

1034

00:41:43,090 --> 00:41:40,610

you go not all that successful I'm not

1035

00:41:46,930 --> 00:41:43,100

used to it convened you know

1036

00:41:50,080 --> 00:41:46,940

space but in the open area for a divine

1037

00:41:52,210 --> 00:41:50,090

over large acres I do a lot of Merit

1038

00:41:55,000 --> 00:41:52,220

binding between states even and then go

1039

00:41:58,320 --> 00:41:55,010

to the side and do the survey on site

1040

00:42:01,930 --> 00:41:58,330

which would take an hour or more hmm

1041

00:42:04,030 --> 00:42:01,940

then that's when the the pendulum comes

1042

00:42:06,190 --> 00:42:04,040

in handy because then you can then find

1043

00:42:09,460 --> 00:42:06,200

whether there is water underneath if it

1044

00:42:11,320 --> 00:42:09,470

doesn't supreme seven times and Paul

1045

00:42:14,020 --> 00:42:11,330

northwest where all is no water under

1046

00:42:15,220 --> 00:42:14,030

there learn something new every day well

1047

00:42:19,660 --> 00:42:15,230

I wish you the best of luck in this

1048

00:42:21,670 --> 00:42:19,670

round thank you very much anyway lovely

1049

00:42:24,610 --> 00:42:21,680

young lady diviner here and I saw you

1050

00:42:26,770 --> 00:42:24,620

out there earlier trying your luck how

1051

00:42:29,080 --> 00:42:26,780

do you think you went um I think I did

1052

00:42:31,950 --> 00:42:29,090

pretty good I was just getting a vibe so

1053

00:42:35,280 --> 00:42:31,960

I wrote down with what I felt

1054

00:42:38,940 --> 00:42:35,290

ya feelin pretty confident yeah I guess

1055

00:42:40,140 --> 00:42:38,950

so it's my first time doing it so be

1056

00:42:41,430 --> 00:42:40,150

very interested to see you and your

1057

00:42:43,829 --> 00:42:41,440

friends are having a sneaker of they

1058

00:42:46,470 --> 00:42:43,839

have you tried it yeah I have yeah and

1059

00:42:48,420 --> 00:42:46,480

how do you think you went okay yeah hey

1060

00:42:50,310 --> 00:42:48,430

it's very exciting i can't wait to see

1061

00:42:54,030 --> 00:42:50,320

what the results are you gonna try it oh

1062

00:42:57,030 --> 00:42:54,040

no i just watched them really so i think

1063

00:42:58,680 --> 00:42:57,040

they did pretty good so yeah alright

1064

00:43:02,910 --> 00:42:58,690

well we'll all know the score is pretty

1065

00:43:04,829 --> 00:43:02,920

soon so good luck to your ok after the

1066

00:43:07,200 --> 00:43:04,839

next round I went out on the court and

1067

00:43:12,240 --> 00:43:07,210

caught up with get more diviners as they

1068

00:43:14,040 --> 00:43:12,250

were checking their own scores well

1069

00:43:17,700 --> 00:43:14,050

folks you had a big check of your scores

1070

00:43:21,720 --> 00:43:17,710

how did you go this time worse oh how

1071

00:43:25,680 --> 00:43:21,730

did you go to you just checking now 99

1072

00:43:27,930 --> 00:43:25,690

ok it yourself 1212 ok we're all around

1073

00:43:29,700 --> 00:43:27,940

the the middle mark at the moment but

1074

00:43:32,940 --> 00:43:29,710

it's a pretty it's a mighty hot day for

1075

00:43:34,800 --> 00:43:32,950

my team inner master but I must say but

1076

00:43:36,690 --> 00:43:34,810

I hope you had a fun today they're just

1077

00:43:40,200 --> 00:43:36,700

debating now whether to hold one final

1078

00:43:41,940 --> 00:43:40,210

one but they will see we'll see but as

1079

00:43:43,440 --> 00:43:41,950

yet and I don't know because I don't

1080

00:43:46,349 --> 00:43:43,450

know all the final scores we haven't

1081

00:43:48,620 --> 00:43:46,359

found somebody yet who can um get that

1082

00:43:50,940 --> 00:43:48,630

magic number of 18 to pass the test but

1083

00:43:53,400 --> 00:43:50,950

looking to get a chair park across there

1084

00:43:55,650 --> 00:43:53,410

mhm ok picking up a water pipe under

1085

00:43:57,660 --> 00:43:55,660

there and that's throws yet but if you

1086

00:44:00,990 --> 00:43:57,670

know it's there can you sort of the oven

1087

00:44:03,230 --> 00:44:01,000

state border ok well i think that laurie

1088

00:44:05,670 --> 00:44:03,240

smith the one of the organizers has a

1089

00:44:07,560 --> 00:44:05,680

radar ground radar image of this whole

1090

00:44:08,940 --> 00:44:07,570

tennis court yeah and i don't think

1091

00:44:15,130 --> 00:44:08,950

there's a pipe but you'll have to check

1092

00:44:20,230 --> 00:44:17,800

after the third and final round of

1093

00:44:22,870 --> 00:44:20,240

testing was complete and the scores

1094

00:44:25,060 --> 00:44:22,880

indicated that nobody and in fact

1095

00:44:28,780 --> 00:44:25,070

reached the magical level of 18 out of

1096

00:44:33,220 --> 00:44:28,790

20 I found another diviner nast him why

1097

00:44:34,870 --> 00:44:33,230

he thought the scores were so bad I may

1098

00:44:38,230 --> 00:44:34,880

have a quick word with if I may so the

1099

00:44:39,730 --> 00:44:38,240

divining tests all over how how would

1100

00:44:42,030 --> 00:44:39,740

you explain the fact that there were

1101

00:44:45,130 --> 00:44:42,040

lots and lots and lots of diviners here

1102

00:44:46,750 --> 00:44:45,140

how could all these diviners fail on the

1103

00:44:51,490 --> 00:44:46,760

day do you have any idea any thoughts on

1104

00:44:56,290 --> 00:44:51,500

that a couple of things yeah the same

1105

00:45:00,310 --> 00:44:56,300

seem to be picking up as if it was deep

1106

00:45:02,050 --> 00:45:00,320

so it was picking up it was putting

1107

00:45:05,550 --> 00:45:02,060

people off a bit because the scene was

1108

00:45:10,000 --> 00:45:05,560

dead for some reason or don't know why

1109

00:45:12,580 --> 00:45:10,010

there and that was one thing that most

1110

00:45:15,790 --> 00:45:12,590

devon has said that the the damp sand in

1111

00:45:21,100 --> 00:45:15,800

the bottle seem to be picking up that it

1112

00:45:23,650 --> 00:45:21,110

shouldn't be picking up video there what

1113

00:45:25,930 --> 00:45:23,660

I meant and another reason why it's very

1114

00:45:29,050 --> 00:45:25,940

hard to divine water that steel because

1115

00:45:30,340 --> 00:45:29,060

water a divining is a water where the

1116

00:45:33,250 --> 00:45:30,350

electricity's in your body and

1117

00:45:35,950 --> 00:45:33,260

electricity is running and you're

1118

00:45:39,310 --> 00:45:35,960

picking it up the water is running and

1119

00:45:41,740 --> 00:45:39,320

the and and your rod and your lectricity

1120

00:45:43,510 --> 00:45:41,750

in your body works that was so if there

1121

00:45:44,890 --> 00:45:43,520

was a test with running water instead of

1122

00:45:49,000 --> 00:45:44,900

still water you'd think it'd have a

1123

00:45:50,500 --> 00:45:49,010

better shot at it I think so here but

1124

00:45:52,300 --> 00:45:50,510

there's nothing wrong with this this was

1125

00:45:55,180 --> 00:45:52,310

a real good test and you could have

1126
00:45:59,230 --> 00:45:55,190
again oh yeah there's no problem thanks

1127
00:46:00,370 --> 00:45:59,240
very much yeah thank you me and Bryce I

1128
00:46:02,320 --> 00:46:00,380
don't know about you but I'm ready to

1129
00:46:04,030 --> 00:46:02,330
jump into a cold swimming pool or a

1130
00:46:05,380 --> 00:46:04,040
river but we're looking at the final

1131
00:46:08,170 --> 00:46:05,390
results let's have a look at this

1132
00:46:10,060 --> 00:46:08,180
histogram and what can you tell me okay

1133
00:46:11,950 --> 00:46:10,070
great we have a histogram here which

1134
00:46:13,900 --> 00:46:11,960
shows the number of times each

1135
00:46:15,940 --> 00:46:13,910
particular result came up for example

1136
00:46:20,650 --> 00:46:15,950
the most common result was nine out of

1137
00:46:24,250 --> 00:46:20,660
20 yeah and that occurred about 18 x 19

1138
00:46:27,470 --> 00:46:24,260

times and the next was 8 out of 20 and

1139

00:46:29,270 --> 00:46:27,480

10 out of 20 so with a perfectly average

1140

00:46:31,010 --> 00:46:29,280

so this statistical better we would

1141

00:46:33,349 --> 00:46:31,020

expect 10 out of 20 so it's very close

1142

00:46:35,210 --> 00:46:33,359

to that it's very close to that and so

1143

00:46:37,880 --> 00:46:35,220

most people got slightly under what

1144

00:46:39,530 --> 00:46:37,890

chance would predict but we have that

1145

00:46:42,410 --> 00:46:39,540

high school and that I was 16 this year

1146

00:46:44,570 --> 00:46:42,420

16 out of 20 yet which is quite possible

1147

00:46:46,580 --> 00:46:44,580

according to chance where you've got 50

1148

00:46:48,470 --> 00:46:46,590

odd competitors indeed you would expect

1149

00:46:50,480 --> 00:46:48,480

some around six and then of course the

1150

00:46:52,520 --> 00:46:50,490

lowest was sick so it's sort of it's

1151
00:46:55,280 --> 00:46:52,530
more or less what we'd expect to say yes

1152
00:46:56,990 --> 00:46:55,290
so the null hypothesis is not disproven

1153
00:46:59,690 --> 00:46:57,000
unfortunately science often talks in

1154
00:47:01,760 --> 00:46:59,700
double negatives but the null hypothesis

1155
00:47:04,250 --> 00:47:01,770
survives in other words the assumption

1156
00:47:06,800 --> 00:47:04,260
that only statistics is operating and no

1157
00:47:10,130 --> 00:47:06,810
actual mysterious force on the divining

1158
00:47:12,410 --> 00:47:10,140
rod that test survives today survives

1159
00:47:16,250 --> 00:47:12,420
today survives to be tested another day

1160
00:47:17,810 --> 00:47:16,260
Thank You Ian thank you Richard and then

1161
00:47:20,480 --> 00:47:17,820
it was all over in fact they were hardly

1162
00:47:23,000 --> 00:47:20,490
any water diviners left to look at the

1163
00:47:24,770 --> 00:47:23,010

results at the end of the day I think

1164

00:47:26,540 --> 00:47:24,780

they knew what they were going to be I

1165

00:47:29,120 --> 00:47:26,550

want to thank all the people who took

1166

00:47:31,460 --> 00:47:29,130

part all the volunteers from New South

1167

00:47:33,680 --> 00:47:31,470

Wales and Victoria a big thank you to

1168

00:47:35,900 --> 00:47:33,690

Laurie and Eden Smith for their

1169

00:47:38,599 --> 00:47:35,910

wonderful hospitality big thank you to

1170

00:47:40,510 --> 00:47:38,609

dr. Chrissy Wilson for the wonderful

1171

00:47:43,520 --> 00:47:40,520

work she did in promoting the event

1172

00:47:46,160 --> 00:47:43,530

Steve Roberts skeptical steve roberts

1173

00:47:48,380 --> 00:47:46,170

who did the protocol and was on hand

1174

00:47:50,570 --> 00:47:48,390

during the course of the day to make

1175

00:47:52,670 --> 00:47:50,580

sure everything ran smoothly Martin

1176

00:47:55,400 --> 00:47:52,680

Hadley for his work at the official

1177

00:47:57,980 --> 00:47:55,410

check-in desk and so many other skeptics

1178

00:48:01,070 --> 00:47:57,990

who helped out during the course of the

1179

00:48:03,050 --> 00:48:01,080

day later that day we relaxed once again

1180

00:48:06,589 --> 00:48:03,060

the wonderful barbecue at the home of

1181

00:48:11,989 --> 00:48:08,870

and well it's all over we're here back

1182

00:48:13,670 --> 00:48:11,999

at the house of yes Russell and Robin

1183

00:48:16,039 --> 00:48:13,680

Kelly the skeptics are gathered around

1184

00:48:17,569 --> 00:48:16,049

we've had our steaks and sausages and

1185

00:48:19,489 --> 00:48:17,579

fried potatoes and all sorts of things

1186

00:48:20,569 --> 00:48:19,499

and we're cooking chicken wings and

1187

00:48:22,269 --> 00:48:20,579

they're cooking chicken wings but at

1188

00:48:24,829 --> 00:48:22,279

last we can celebrate a successful

1189

00:48:29,599 --> 00:48:24,839

divining day lori cheers Thank You

1190

00:48:37,969 --> 00:48:29,609

Reggie they don't click them hit other

1191

00:48:40,640 --> 00:48:37,979

plastic oh thank you thank you more

1192

00:48:44,450 --> 00:48:40,650

detailed results of the test will be

1193

00:48:46,430 --> 00:48:44,460

published at ww skeptics com a you in

1194

00:48:49,219 --> 00:48:46,440

the near future when we sort out all the

1195

00:48:51,620 --> 00:48:49,229

statistics we look forward to the next

1196

00:48:59,269 --> 00:48:51,630

series of water divining tests wherever

1197

00:49:02,120 --> 00:48:59,279

and whenever they are the gang turned up

1198

00:49:04,719 --> 00:49:02,130

on with wire and wood to locate the

1199

00:49:06,950 --> 00:49:04,729

water wherever they could by reading

1200

00:49:09,620 --> 00:49:06,960

vibrations that come from the ground

1201
00:49:11,760 --> 00:49:09,630
which show where the water was sure to

1202
00:49:14,430 --> 00:49:11,770
be found

1203
00:49:16,860 --> 00:49:14,440
they came to win money at the dowsers

1204
00:49:19,080 --> 00:49:16,870
convention with prayers of hope for

1205
00:49:23,550 --> 00:49:19,090
divine intervention to help them to

1206
00:49:27,030 --> 00:49:23,560
sense the old h2o then one by one they

1207
00:49:29,430 --> 00:49:27,040
all had a go chance predicted the

1208
00:49:31,950 --> 00:49:29,440
success they would face as they searched

1209
00:49:34,260 --> 00:49:31,960
for the water all over the place at the

1210
00:49:37,320 --> 00:49:34,270
muster in the hills up MIT amid away

1211
00:49:40,830 --> 00:49:37,330
with a lute on the line they were ready

1212
00:49:43,170 --> 00:49:40,840
to play walking in a circle or in a

1213
00:49:46,020 --> 00:49:43,180

crisscross line with a weight of belief

1214

00:49:48,840 --> 00:49:46,030

in the autumn sunshine making sweat on

1215

00:49:52,490 --> 00:49:48,850

their brows as they tried to tell which

1216

00:49:55,680 --> 00:49:52,500

was just sand and where was the well

1217

00:49:57,780 --> 00:49:55,690

then the Sun went down on the master at

1218

00:50:00,810 --> 00:49:57,790

bitter and the sweet taste of victory

1219

00:50:03,230 --> 00:50:00,820

had turned a bit better for the dowsers

1220

00:50:05,760 --> 00:50:03,240

and diviners had failed to find water

1221

00:50:09,960 --> 00:50:05,770

maybe their rods should have been longer

1222

00:50:13,170 --> 00:50:09,970

or shorter the contestants blamed static

1223

00:50:16,170 --> 00:50:13,180

and streams and fences that disturb the

1224

00:50:18,150 --> 00:50:16,180

waves and twiddle their senses but the

1225

00:50:21,300 --> 00:50:18,160

skeptics went home with their booty

1226

00:50:29,900 --> 00:50:21,310

intact because none could prove the

1227

00:50:34,499 --> 00:50:32,700

virtual skeptics is a weekly web show in

1228

00:50:36,809 --> 00:50:34,509

which we discuss the latest news in

1229

00:50:38,279 --> 00:50:36,819

skepticism whether it's a new case of

1230

00:50:40,499 --> 00:50:38,289

spontaneous human combustion a

1231

00:50:42,720 --> 00:50:40,509

conspiracy theory the latest update on

1232

00:50:44,370 --> 00:50:42,730

the upcoming robot apocalypse tech news

1233

00:50:46,859 --> 00:50:44,380

for skeptics are the latest wacky

1234

00:50:49,230 --> 00:50:46,869

religious claim we cover it all we

1235

00:50:51,900 --> 00:50:49,240

record the show live as a Google+ on-air

1236

00:50:53,730 --> 00:50:51,910

hangout so join us in our host Brian

1237

00:50:56,370 --> 00:50:53,740

Gregory for an hour of mostly

1238

00:50:59,279 --> 00:50:56,380

intelligent talk every wednesday at a PM

1239

00:51:01,859 --> 00:50:59,289

eastern US time watch acid virtual

1240

00:51:04,710 --> 00:51:01,869

skeptics calm and participate in the

1241

00:51:07,349 --> 00:51:04,720

show on our hashtag virtual skeptics the

1242

00:51:11,640 --> 00:51:07,359

virtual skeptics it's like meet the

1243

00:51:17,410 --> 00:51:14,650

welcome to a week in science this week

1244

00:51:20,170 --> 00:51:17,420

hearing earthquakes in space was there

1245

00:51:28,510 --> 00:51:20,180

life on Mars and can aspirin protect

1246

00:51:32,349 --> 00:51:28,520

against cancer this week it was revealed

1247

00:51:36,040 --> 00:51:32,359

that a satellite orbiting 255 kilometers

1248

00:51:38,530 --> 00:51:36,050

above the earth heard the 2011 to Hoku

1249

00:51:41,140 --> 00:51:38,540

earthquake instruments for detecting

1250

00:51:42,940 --> 00:51:41,150

infrasound on the ghost satellite are so

1251

00:51:45,670 --> 00:51:42,950

sensitive they could detect the faint

1252

00:51:47,680 --> 00:51:45,680

signal as it passed over Japan the

1253

00:51:49,990 --> 00:51:47,690

satellite even detected the earthquakes

1254

00:51:53,200 --> 00:51:50,000

vibrations again as it passed over

1255

00:51:55,330 --> 00:51:53,210

Europe 25 minutes later while

1256

00:51:57,910 --> 00:51:55,340

earthquakes have long been known to emit

1257

00:52:00,160 --> 00:51:57,920

infrasound Rumble it was thought that no

1258

00:52:05,230 --> 00:52:00,170

spacecraft in orbit had the capacity to

1259

00:52:07,150 --> 00:52:05,240

record them until now Russian scientists

1260

00:52:10,330 --> 00:52:07,160

claimed to have found a new kind of

1261

00:52:13,330 --> 00:52:10,340

bacterial life in a lake buried under

1262

00:52:15,340 --> 00:52:13,340

the antarctic ice seven samples of the

1263

00:52:18,370 --> 00:52:15,350

new mystery species were recovered from

1264

00:52:20,890 --> 00:52:18,380

Lake Vostok the largest sub glacial lake

1265

00:52:23,530 --> 00:52:20,900

in antarctica the team drilled through

1266

00:52:25,990 --> 00:52:23,540

more than 3.5 kilometers of ice and

1267

00:52:28,660 --> 00:52:26,000

broke through to the lake last year

1268

00:52:30,700 --> 00:52:28,670

however other scientists including some

1269

00:52:33,280 --> 00:52:30,710

involved in the analysis of the samples

1270

00:52:36,070 --> 00:52:33,290

themselves have cast doubt on the

1271

00:52:37,510 --> 00:52:36,080

veracity of the find they suggest that

1272

00:52:40,540 --> 00:52:37,520

the results are due to contamination

1273

00:52:43,930 --> 00:52:40,550

during drilling and analysis and not a

1274

00:52:46,960 --> 00:52:43,940

new unknown species studies to resolve

1275

00:52:49,840 --> 00:52:46,970

this conflict are continuing for science

1276

00:52:51,849 --> 00:52:49,850

headlines in 30 seconds Neanderthal

1277

00:52:54,160 --> 00:52:51,859

brains were organized for better vision

1278

00:52:57,280 --> 00:52:54,170

and body control at the cost of

1279

00:52:59,800 --> 00:52:57,290

cognition the first birds used for wings

1280

00:53:02,320 --> 00:52:59,810

for flight with modern Birds retaining

1281

00:53:04,840 --> 00:53:02,330

the front two aspirin may reduce the

1282

00:53:07,570 --> 00:53:04,850

incidence of melanoma and the longer

1283

00:53:09,490 --> 00:53:07,580

it's used the lower the risk and an

1284

00:53:12,280 --> 00:53:09,500

analysis of Martian rocks by the

1285

00:53:14,200 --> 00:53:12,290

Curiosity Lander reveals that Mars may

1286

00:53:18,280 --> 00:53:14,210

once have been capable of supporting

1287

00:53:20,950 --> 00:53:18,290

life finally this week proof that loud

1288

00:53:23,290 --> 00:53:20,960

people on mobile phones are doubly

1289

00:53:25,270 --> 00:53:23,300

annoying researchers reported that a

1290

00:53:27,490 --> 00:53:25,280

one-sided mobile phone calm

1291

00:53:29,380 --> 00:53:27,500

versation in the background is more

1292

00:53:32,020 --> 00:53:29,390

distracting than overhearing a

1293

00:53:34,090 --> 00:53:32,030

conversation between two people they

1294

00:53:36,340 --> 00:53:34,100

concluded that not knowing where a

1295

00:53:38,980 --> 00:53:36,350

one-sided conversation is heading is

1296

00:53:41,110 --> 00:53:38,990

more likely to get your attention than

1297

00:53:43,510 --> 00:53:41,120

eavesdropping on a complete conversation

1298

00:53:46,840 --> 00:53:43,520

yeah i'll bring the butter a watermelon

1299

00:53:52,450 --> 00:53:46,850

and a wind-up soldier oh yeah yeah get

1300

00:53:54,880 --> 00:53:52,460

two of those on Tuesday March 26th arias

1301
00:53:57,430 --> 00:53:54,890
is holding the next edition of science

1302
00:53:59,800 --> 00:53:57,440
behind the headlines this time we'll be

1303
00:54:02,380 --> 00:53:59,810
looking at the hot topic of drugs in

1304
00:54:05,470 --> 00:54:02,390
sport what are they taking how are they

1305
00:54:07,120 --> 00:54:05,480
taking it and why our expert panel will

1306
00:54:10,480 --> 00:54:07,130
explore these and other questions

1307
00:54:12,970 --> 00:54:10,490
information on our website that's been

1308
00:54:15,250 --> 00:54:12,980
another big week in science for more on

1309
00:54:19,660 --> 00:54:15,260
these and other science stories go to

1310
00:54:21,750 --> 00:54:19,670
the rirs website are I org a you where

1311
00:54:24,340 --> 00:54:21,760
you can also sign up for future episodes

1312
00:54:27,220 --> 00:54:24,350
you can follow the conversation on

1313
00:54:29,560 --> 00:54:27,230

twitter using the hashtag weekend sigh

1314

00:54:36,640 --> 00:54:29,570

i'm paul willis and on behalf of the our

1315

00:54:36,650 --> 00:54:44,810

in a world where the truth is a matter

1316

00:54:44,820 --> 00:54:52,640

or messages are a scene for beyond

1317

00:54:58,730 --> 00:54:55,970

and reason is sidelined for magical

1318

00:55:07,640 --> 00:55:01,070

oh please we then stand between the

1319

00:55:09,410 --> 00:55:07,650

truth what date is it 78 several thing

1320

00:55:10,580 --> 00:55:09,420

this is impressive it's these artists

1321

00:55:12,640 --> 00:55:10,590

impressions they're not their

1322

00:55:15,620 --> 00:55:12,650

photographs of Chinese anthem it's not

1323

00:55:17,450 --> 00:55:15,630

we are not well received is a good guard

1324

00:55:19,460 --> 00:55:17,460

we're fully don't discuss cryptozoology

1325

00:55:21,410 --> 00:55:19,470

on the show very often because we don't

1326
00:55:23,270 --> 00:55:21,420
know anything about how the truth the

1327
00:55:25,100 --> 00:55:23,280
price gets lower and lower and lower and

1328
00:55:29,540 --> 00:55:25,110
then he hits a ceiling it's a ceiling

1329
00:55:31,400 --> 00:55:29,550
for the Rubin or skeptic to the K for

1330
00:55:40,880 --> 00:55:31,410
the Merseyside skeptics society find us

1331
00:55:42,740 --> 00:55:40,890
on iTunes or you know don't and now a

1332
00:55:44,660 --> 00:55:42,750
note from our friends in Victoria

1333
00:55:47,660 --> 00:55:44,670
there's a big event coming up in the

1334
00:55:49,970 --> 00:55:47,670
next skeptics cafe for Victorian

1335
00:55:52,670 --> 00:55:49,980
skeptics on Monday the 18th of March

1336
00:55:56,200 --> 00:55:52,680
Nobel Prize winner professor peter

1337
00:56:00,109 --> 00:55:56,210
doherty is speaking the talk is entitled

1338
00:56:03,109 --> 00:56:00,119

skepticism denial and ignorance is there

1339

00:56:05,390 --> 00:56:03,119

a difference professor Dougherty is one

1340

00:56:07,550 --> 00:56:05,400

of a handful of Australian scientists to

1341

00:56:09,920 --> 00:56:07,560

have been awarded the nobel prize for

1342

00:56:11,840 --> 00:56:09,930

medicine these Nobel prize-winning

1343

00:56:13,910 --> 00:56:11,850

research contributed to our

1344

00:56:17,230 --> 00:56:13,920

understanding of the immune system and

1345

00:56:20,960 --> 00:56:17,240

in particular how our cells recognize

1346

00:56:25,400 --> 00:56:20,970

viral infections professor Doty was also

1347

00:56:27,230 --> 00:56:25,410

named Australian of the Year in 1997 for

1348

00:56:32,740 --> 00:56:27,240

more information about this talk on the

1349

00:56:50,390 --> 00:56:32,750

18th of March visit w WV skeptics

1350

00:56:56,220 --> 00:56:53,670

do they I'm a computer simulated human

1351
00:56:59,580 --> 00:56:56,230
poor odd Richard Saunders has lost his

1352
00:57:02,100 --> 00:56:59,590
voice Oh dear me so I'm here to tell you

1353
00:57:04,020 --> 00:57:02,110
about the 48th international festival of

1354
00:57:06,830 --> 00:57:04,030
science documentaries to be held in

1355
00:57:09,210 --> 00:57:06,840
olomouc in a Czech Republic in April

1356
00:57:11,600 --> 00:57:09,220
visitors to the festival will enjoy

1357
00:57:14,130 --> 00:57:11,610
films on mathematics global warming

1358
00:57:16,080 --> 00:57:14,140
computer games and much more including

1359
00:57:19,130 --> 00:57:16,090
pseudoscience with Richard Saunders

1360
00:57:22,320 --> 00:57:19,140
presenting a lecture on water divining

1361
00:57:24,360 --> 00:57:22,330
but that's not all rich and will also be

1362
00:57:26,400 --> 00:57:24,370
giving origami lessons and presenting

1363
00:57:29,910 --> 00:57:26,410

films by Richard Dawkins and Brian

1364

00:57:32,700 --> 00:57:29,920

darling wow I wonder if they will let a

1365

00:57:34,170 --> 00:57:32,710

simulated human voice attend to find out

1366

00:57:36,450 --> 00:57:34,180

more in book your ticket to this

1367

00:57:41,910 --> 00:57:36,460

world-class scientific film festival

1368

00:57:43,850 --> 00:57:41,920

visit WWF ocz discover the Wonder

1369

00:57:46,770 --> 00:57:43,860

history and VT of the Czech Republic

1370

00:57:49,730 --> 00:57:46,780

enjoy some fascinating documentaries and

1371

00:57:53,370 --> 00:57:49,740

spend time with like-minded people oh

1372

00:58:15,710 --> 00:57:53,380

and if you see Saunders tell him he can

1373

00:58:21,000 --> 00:58:18,329

our staff and I know it's late but we

1374

00:58:22,799 --> 00:58:21,010

made it through that the last almost an

1375

00:58:24,599 --> 00:58:22,809

hour and we listened to the skeptic zone

1376

00:58:26,520 --> 00:58:24,609

Richard I don't know what's going on but

1377

00:58:28,650 --> 00:58:26,530

here but we listened to the entire show

1378

00:58:29,760 --> 00:58:28,660

but it's still only five to one I don't

1379

00:58:32,609 --> 00:58:29,770

know how that happened how does that

1380

00:58:34,530 --> 00:58:32,619

happen time distortion time distortion

1381

00:58:36,780 --> 00:58:34,540

internet it's full of an perception

1382

00:58:40,170 --> 00:58:36,790

ception time perception time distortion

1383

00:58:41,910 --> 00:58:40,180

and perception omorrow it's all the

1384

00:58:43,890 --> 00:58:41,920

chemicals in apps the chemicals in our

1385

00:58:46,380 --> 00:58:43,900

brains listeners it's been a very long

1386

00:58:48,539 --> 00:58:46,390

night for Stefan and Richard we were

1387

00:58:50,309 --> 00:58:48,549

both performing tonight you're you were

1388

00:58:52,319 --> 00:58:50,319

doing piano and an entertainment work

1389

00:58:55,079 --> 00:58:52,329

and I always guest speaking so I think

1390

00:58:56,789 --> 00:58:55,089

you can forgive us the slight indulgence

1391

00:58:59,280 --> 00:58:56,799

and relaxation we're having right now

1392

00:59:00,870 --> 00:58:59,290

we're relaxing at a yes an idea i

1393

00:59:03,359 --> 00:59:00,880

haven't played piano for about 10 years

1394

00:59:04,650 --> 00:59:03,369

you did quite well i'm ever a lot of

1395

00:59:06,960 --> 00:59:04,660

people were taking photographs of you i

1396

00:59:09,440 --> 00:59:06,970

noticed well these are people with with

1397

00:59:12,660 --> 00:59:09,450

with not much happening in their lives

1398

00:59:15,900 --> 00:59:12,670

no it was a fun it was a fun ideas about

1399

00:59:18,210 --> 00:59:15,910

how many people 400 people Oh easily at

1400

00:59:22,049 --> 00:59:18,220

nowra entertainment center is a

1401

00:59:24,030 --> 00:59:22,059

wonderful venue if now is is what you

1402

00:59:27,120 --> 00:59:24,040

would class as a country town but their

1403

00:59:29,339 --> 00:59:27,130

entertainment center is bigger than what

1404

00:59:30,930 --> 00:59:29,349

you'd expect in a major capital city it

1405

00:59:34,020 --> 00:59:30,940

was all good it was all good and I had a

1406

00:59:37,410 --> 00:59:34,030

wonderful time so that's almost one

1407

00:59:39,750 --> 00:59:37,420

o'clock this morning how do we fit a one

1408

00:59:41,940 --> 00:59:39,760

hour show between ten to one and five to

1409

00:59:43,620 --> 00:59:41,950

one that's all I want to know listeners

1410

00:59:45,599 --> 00:59:43,630

might have an idea on this and they can

1411

00:59:48,539 --> 00:59:45,609

send us a postcard or it could be

1412

00:59:50,970 --> 00:59:48,549

answered in the solar flare ah solar

1413

00:59:52,470 --> 00:59:50,980

flare time distortion time distortion

1414

00:59:54,809 --> 00:59:52,480

it's all happening and I hope it'll be

1415

00:59:56,940 --> 00:59:54,819

happening soon but for now Stefan thank

1416

00:59:59,160 --> 00:59:56,950

you for a great night Cheers it was good

1417

01:00:01,650 --> 00:59:59,170

and check your Twitter account and

1418

01:00:03,870 --> 01:00:01,660

Facebook account and in the skeptic zone

1419

01:00:08,920 --> 01:00:03,880

account and see how it all went down

1420

01:00:16,310 --> 01:00:11,330

you've been listening to the skeptic

1421

01:00:20,090 --> 01:00:16,320

zone visit our website at www.skeptics