

1

00:00:00,000 --> 00:00:04,500

Tub of body latex, \$22.

2

00:00:04,500 --> 00:00:07,240

Tub of gold pigment, \$6.

3

00:00:07,240 --> 00:00:11,400

Watching your friend get naked, covered in gold paint, and jogging until he passes out,

4

00:00:11,400 --> 00:00:15,600

prices.

5

00:00:15,600 --> 00:00:18,920

Coming up, flying a lawn chair balloon.

6

00:00:18,920 --> 00:00:22,600

Okay, last check before we let you go, Adam.

7

00:00:22,600 --> 00:00:25,640

Can you fail a drug test after eating a bagel?

8

00:00:26,040 --> 00:00:31,120

I think this is going to cure me of my love for poppy seed cake once and for all.

9

00:00:31,120 --> 00:00:35,680

Gold paint, is it really a glamorous way to die?

10

00:00:35,680 --> 00:00:38,680

The ridicule happens.

11

00:00:44,160 --> 00:00:48,200

Here on Mythbusters, we're not just going to retell the legends,

12

00:00:48,200 --> 00:00:51,400

we're going to put them to the test.

13

00:00:51,400 --> 00:00:54,400

We're prepared to put our bodies on the line.

14

00:00:54,400 --> 00:00:58,480

Why should you trust these guys?

15

00:00:58,480 --> 00:01:02,360

Well, Jamie and Adam have over 30 years in model building,

16

00:01:02,360 --> 00:01:05,040

animatronics, and toy prototyping.

17

00:01:05,040 --> 00:01:09,600

They could build just about anything, and probably have.

18

00:01:09,600 --> 00:01:13,600

This is M5, my special effects shop.

19

00:01:13,600 --> 00:01:16,400

Come on in and have a look around.

20

00:01:16,400 --> 00:01:19,000

If we can't find what we need here,

21

00:01:19,000 --> 00:01:22,560

there's always Adam's junk collection.

22

00:01:22,560 --> 00:01:24,560

My cigarette dispenser.

23

00:01:26,560 --> 00:01:32,560

The guys are backed by experts in folklore, crime, medicine, and engineering.

24

00:01:32,560 --> 00:01:36,560

And they'll need every trick in the book.

25

00:01:36,560 --> 00:01:39,560

So where do we begin? What do we got? Let's go.

26

00:01:43,560 --> 00:01:44,560

So the lawn chair balloon.

27

00:01:44,560 --> 00:01:47,560

This is the thing that made it on the internet all over the place a few years ago,

28

00:01:47,560 --> 00:01:50,560

of the guy who supposedly flew above LAX in 1992.

29

00:01:50,560 --> 00:01:55,560

Larry Walters attached something like 45 weather balloons to this lawn chair.

30

00:01:55,560 --> 00:02:00,560

He took up beer and beef jerky, and he was an unemployed truck driver.

31

00:02:00,560 --> 00:02:06,560

And whoo, he shot straight up into the air and apparently went up to about 16,000 feet.

32

00:02:06,560 --> 00:02:08,560

And he flew for something like 14 hours.

33

00:02:08,560 --> 00:02:13,560

Larry's only way of descending was with a handheld BB gun.

34

00:02:13,560 --> 00:02:23,560

We're actually just going to see if we can achieve some buoyancy with 42 helium balloons.

35

00:02:23,560 --> 00:02:27,560

I don't think we're going to bring all the payload that he did.

36

00:02:27,560 --> 00:02:32,560

He brought the beer, the sandwiches. We're not going to bring a pallet gun.

37

00:02:32,560 --> 00:02:37,560

The plan is to build and fly the balloon as it's described in the myth.

38

00:02:37,560 --> 00:02:44,560

The guys then have to show that they can make a controlled descent by shooting out the balloons.

39

00:02:48,560 --> 00:02:53,560

Is this something that would be legal for us to do?

40

00:02:53,560 --> 00:02:56,560

The myth says Larry was fined after the flight.

41

00:02:56,560 --> 00:03:00,560

So we want to get permission before we take to the skies.

42

00:03:00,560 --> 00:03:02,560

Whose jurisdiction does that fall under?

43

00:03:02,560 --> 00:03:06,560

Fire department's going to know faster than the police department will.

44

00:03:08,560 --> 00:03:13,560

Well, I don't think this is the FAA, but on the off chance it is.

45

00:03:13,560 --> 00:03:17,560

And you have to do with the FAA rules and regulations. Please call me.

46

00:03:17,560 --> 00:03:20,560

How high do you want this guy to go up to the building?

47

00:03:20,560 --> 00:03:27,560

Not very high. We just have to prove the point.

48

00:03:27,560 --> 00:03:33,560

He was transferring me to his duty officer upstairs who apparently was not on duty.

49

00:03:33,560 --> 00:03:35,560

And so they'll call us back.

50

00:03:35,560 --> 00:03:41,560

You know, it's a sort of thing where it's like you could call to your blue in the face and no one would know who you should talk to.

51

00:03:41,560 --> 00:03:45,560

And then if you did it and there was a traffic snarl up and people got pissed off,

52

00:03:45,560 --> 00:03:50,560

it would still take them like three weeks to figure out who should punish you.

53

00:03:50,560 --> 00:03:53,560

Unfortunately, Sears wouldn't let us shoot inside their building.

54

00:03:53,560 --> 00:03:56,560

And they seem to have discontinued Larry's original chair.

55

00:03:56,560 --> 00:04:00,560

We found this. It's aluminum construction. It seems pretty sturdy.

56

00:04:00,560 --> 00:04:03,560

And in fact, it looks fairly comfortable.

57

00:04:06,560 --> 00:04:11,560

I could definitely fly this.

58

00:04:11,560 --> 00:04:15,560

We're going to do these in basically four clusters.

59

00:04:15,560 --> 00:04:19,560

Like Larry Walters did, they'll probably be closer. Four separate clusters.

60

00:04:19,560 --> 00:04:23,560

Each cluster will be tethered to me on a different tie point.

61

00:04:23,560 --> 00:04:25,560

Two shoulders, two on the waist.

62

00:04:25,560 --> 00:04:32,560

So that even if one whole cluster goes, I fall to the ground and I'm going to weigh about 15 pounds at that point.

63

00:04:33,560 --> 00:04:38,560

Let's get the chair over here and I'll sit it and it will try and bungee it to me.

64

00:04:38,560 --> 00:04:41,560

All right, you want to try and raise me up and see how this does?

65

00:04:48,560 --> 00:04:50,560

That's pretty uncomfortable.

66

00:04:50,560 --> 00:04:52,560

What did the pictures show?

67

00:04:52,560 --> 00:04:54,560

Adam's harness is too uncomfortable.

68

00:04:54,560 --> 00:04:56,560

I'd get up if I could.

69

00:04:56,560 --> 00:04:58,560

The chair is too dangerous.

70

00:04:58,560 --> 00:05:03,560

That means we're going to have to find some other way of making this work.

71

00:05:03,560 --> 00:05:05,560

I have a suggestion, Adam.

72

00:05:05,560 --> 00:05:06,560

Bring it on.

73

00:05:06,560 --> 00:05:13,560

We can take our square steel tubing that we use a lot around here and make a nice picture frame board or a square.

74

00:05:16,560 --> 00:05:21,560

You know, weld it thoroughly to where you're not going to, you know, you could jump up and down on it.

75

00:05:21,560 --> 00:05:23,560

You're not going to collapse it.

76

00:05:23,560 --> 00:05:24,560

And then just anchor to it.

77

00:05:24,560 --> 00:05:26,560

We can put four eye bolts into it.

78

00:05:26,560 --> 00:05:28,560

We can put four eye bolts on it.

79

00:05:28,560 --> 00:05:29,560

Yeah, I like that idea.

80

00:05:29,560 --> 00:05:32,560

That seems pretty darn good.

81

00:05:33,560 --> 00:05:38,560

And then we'll actually lash that to the chair.

82

00:05:38,560 --> 00:05:40,560

The harnesses aren't supporting me.

83

00:05:40,560 --> 00:05:42,560

They're just safety harnesses.

84

00:05:44,560 --> 00:05:46,560

All right, someone want to lift the...

85

00:05:49,560 --> 00:05:51,560

Oh, God, much better than the harness.

86

00:05:51,560 --> 00:05:54,560

The harness was very uncomfortable.

87

00:05:57,560 --> 00:06:00,560

I'm about to order the balloons from Science and Surplus.

88

00:06:00,560 --> 00:06:01,560

Okay.

89

00:06:01,560 --> 00:06:03,560

So, you know, we need 42.

90

00:06:03,560 --> 00:06:05,560

Obviously we want some backups.

91

00:06:05,560 --> 00:06:09,560

I mean, just in case they're not all fantastic coming out of the package.

92

00:06:09,560 --> 00:06:12,560

Real kosher weather balloons are 40 bucks a piece.

93

00:06:12,560 --> 00:06:14,560

Like brand new ones.

94

00:06:14,560 --> 00:06:19,560

And that's the... like 10 bucks was the only price I found that was lower than 40.

95

00:06:19,560 --> 00:06:23,560

The myth says that Larry got his balloons from an Army surplus store.

96

00:06:24,560 --> 00:06:26,560

That makes them cheaper.

97

00:06:26,560 --> 00:06:28,560

But there's a trade-off.

98

00:06:29,560 --> 00:06:32,560

The latex has a limited shelf life.

99

00:06:33,560 --> 00:06:35,560

All depends what kind of balloon.

100

00:06:35,560 --> 00:06:40,560

Some balloon has a shelf life one year, some has two years, some could be five, six years.

101

00:06:40,560 --> 00:06:43,560

Adam is taking up big risk.

102

00:06:43,560 --> 00:06:46,560

His balloons are 20 years old.

103

00:06:46,560 --> 00:06:48,560

It's a lot thinner than I thought it was going to be.

104

00:06:50,560 --> 00:06:52,560

Yeah, I'd like to get a price code on some of the balloons.

105

00:06:53,560 --> 00:06:55,560

I'd like to get some helium.

106

00:06:55,560 --> 00:06:56,560

Okay.

107

00:06:56,560 --> 00:06:57,560

Like 42.

108

00:06:57,560 --> 00:06:58,560

Yeah, 42 with us?

109

00:06:58,560 --> 00:06:59,560

Yeah.

110

00:06:59,560 --> 00:07:00,560

To raise?

111

00:07:00,560 --> 00:07:01,560

Yeah.

112

00:07:01,560 --> 00:07:02,560

Oh, Lord.

113

00:07:02,560 --> 00:07:04,560

Okay, well, I can get you...

114

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

Well, no...

115

00:07:05,560 --> 00:07:10,560

I can get you a helium that is like a 291 cubic feet.

116

00:07:10,560 --> 00:07:12,560

Right, the T-Sci cylinder?

117

00:07:12,560 --> 00:07:13,560

That's the T-Sci.

118

00:07:13,560 --> 00:07:14,560

Yeah.

119

00:07:14,560 --> 00:07:15,560

And that would raise two of them.

120

00:07:15,560 --> 00:07:16,560

Good Lord.

121

00:07:16,560 --> 00:07:17,560

I know.

122

00:07:17,560 --> 00:07:19,560

And you're going to order how many?

123

00:07:19,560 --> 00:07:21,560

Probably five tanks.

124

00:07:21,560 --> 00:07:22,560

Five tanks?

125

00:07:22,560 --> 00:07:28,560

Didn't she just say one tank fills two weather balloons?

126

00:07:28,560 --> 00:07:37,560

My calculations on the volume of helium for each balloon is based on just the volume of the sphere,

127

00:07:37,560 --> 00:07:40,560

which is like 33 cubic feet.

128

00:07:40,560 --> 00:07:44,560

But because the helium's under pressure, and it's not much, it's like, I think,

129

00:07:44,560 --> 00:07:47,560

three atmospheres or five atmospheres or something like that,

130

00:07:47,560 --> 00:07:50,560

under pressure in the balloon, it's likely we're going to need more.

131

00:07:50,560 --> 00:07:55,560

We've got enough balloons, and because...

132

00:07:55,560 --> 00:07:58,560

We've got enough balloons, we're just going to need more gas.

133

00:07:58,560 --> 00:08:01,560

We might end up needing almost double this amount of gas.

134

00:08:01,560 --> 00:08:04,560

This is \$700 worth of gas.

135

00:08:04,560 --> 00:08:08,560

We might need another \$700 to \$1,000 worth of gas.

136

00:08:08,560 --> 00:08:17,560

Actually, we'll need four times Adam's original helium estimate.

137

00:08:18,560 --> 00:08:21,560

We now have enough helium to get me a loft, correct?

138

00:08:21,560 --> 00:08:22,560

Yeah.

139

00:08:29,560 --> 00:08:31,560

Jamie's done a lot of this.

140

00:08:31,560 --> 00:08:33,560

There we go.

141

00:08:33,560 --> 00:08:34,560

All right.

142

00:08:34,560 --> 00:08:38,560

So, in theory, Adam can now get off the ground.

143

00:08:38,560 --> 00:08:42,560

The next question is, can he come safely back down?

144

00:08:42,560 --> 00:08:44,560

It looks like a big onion.

145

00:08:48,560 --> 00:08:50,560

Did it hit?

146

00:08:51,560 --> 00:08:53,560

Yes, it did hit, and it went...

147

00:08:53,560 --> 00:08:55,560

It went clean through.

148

00:08:55,560 --> 00:08:57,560

It went right through?

149

00:08:58,560 --> 00:08:59,560

Yeah.

150

00:08:59,560 --> 00:09:01,560

Yeah, it went clear through. Check this out.

151

00:09:01,560 --> 00:09:03,560

So, it actually did.

152

00:09:03,560 --> 00:09:06,560

There's the hole on the other side.

153

00:09:06,560 --> 00:09:10,560

But it is very slowly, obviously.

154

00:09:10,560 --> 00:09:14,560

The BB descent technique doesn't seem to be very effective.

155

00:09:14,560 --> 00:09:18,560

I'll bet you we could shoot this for another half hour.

156

00:09:18,560 --> 00:09:20,560

All of us just taking as many shots as we want,

157

00:09:20,560 --> 00:09:22,560

and we really wouldn't make much of a dent.

158

00:09:22,560 --> 00:09:23,560

Probably.

159

00:09:27,560 --> 00:09:29,560

This stuff is...

160

00:09:29,560 --> 00:09:31,560

It's pretty...

161

00:09:34,560 --> 00:09:37,560

Look at that. It's just falling apart.

162

00:09:37,560 --> 00:09:41,560

That doesn't inspire confidence on the eve of Adam's historic flight.

163

00:09:41,560 --> 00:09:45,560

Will our choice of cheap surplus balloons come back to haunt us?

164

00:09:45,560 --> 00:09:48,560

Are you having some second thoughts about this thing, Adam?

165

00:09:48,560 --> 00:09:50,560

Are you sure you want to do the do?

166

00:09:50,560 --> 00:09:52,560

I'm just thinking through it.

167

00:09:52,560 --> 00:09:55,560

And the balloons are a lot thinner than I thought.

168

00:09:55,560 --> 00:09:57,560

I think it's fine.

169

00:09:57,560 --> 00:09:59,560

Of course, it's your neck. It's not mine.

170

00:09:59,560 --> 00:10:01,560

Yeah.

171

00:10:03,560 --> 00:10:06,560

So, 5 a.m. tomorrow, you're going flying.

172

00:10:06,560 --> 00:10:07,560

Yeah.

173

00:10:12,560 --> 00:10:21,560

We're trying to recreate the mythical flight of Larry Walters, the lawn chair balloonist.

174

00:10:21,560 --> 00:10:24,560

I don't know how he did it all by himself.

175

00:10:24,560 --> 00:10:28,560

We've got about 15 people here helping out.

176

00:10:28,560 --> 00:10:31,560

Granted, we're going probably a lot faster than he went,

177

00:10:31,560 --> 00:10:35,560

but I'm amazed that he did this alone.

178

00:10:35,560 --> 00:10:37,560

Larry had a lot of help.

179

00:10:37,560 --> 00:10:40,560

Larry's main support was his girlfriend, Carol.

180

00:10:40,560 --> 00:10:44,560

Carol not only spent her life savings and maxed out their credit cards,

181

00:10:44,560 --> 00:10:48,560

but she also helped inflate the balloons.

182

00:10:48,560 --> 00:10:53,560

Mark Barry claims to know the truth behind the Larry Walters story.

183

00:10:53,560 --> 00:10:56,560

So, where we're standing right now is San Pedro, California.

184

00:10:56,560 --> 00:11:02,560

This is where Larry launched from on July 2, 1982.

185

00:11:02,560 --> 00:11:10,560

I'm very excited about this.

186

00:11:10,560 --> 00:11:14,560

We're starting to lip. Can we get some more sandbags?

187

00:11:14,560 --> 00:11:16,560

And that's not the only problem.

188

00:11:16,560 --> 00:11:20,560

We're starting to pay for those 20-year-old balloons.

189

00:11:20,560 --> 00:11:23,560

Well, we've lost three balloons so far.

190

00:11:23,560 --> 00:11:26,560

It's plausible that they were balloons with flaws in them

191

00:11:26,560 --> 00:11:30,560

or that it's pressure against the ropes or some of the other balloons.

192

00:11:30,560 --> 00:11:38,560

The pressure's on to get a flight in before any more blow.

193

00:11:38,560 --> 00:11:40,560

I'd get you in your clothes.

194

00:11:40,560 --> 00:11:43,560

We want to get you up there because we're going to run out of helium pretty soon.

195

00:11:43,560 --> 00:11:46,560

I think we've used up all the helium in the Bay Area,

196

00:11:46,560 --> 00:11:59,560

so we kind of need to make this work.

197

00:11:59,560 --> 00:12:04,560

First, the way it'll go is we'll unload the chair

198

00:12:04,560 --> 00:12:07,560

and everybody will help hold it down while Adam gets in

199

00:12:07,560 --> 00:12:11,560

and then the six of us will move to the tethers.

200

00:12:11,560 --> 00:12:18,560

Here we go.

201

00:12:18,560 --> 00:12:21,560

He should be holding the chair down.

202

00:12:21,560 --> 00:12:25,560

Now...

203

00:12:25,560 --> 00:12:26,560

That's good.

204

00:12:26,560 --> 00:12:30,560

Okay, now let's just let him go as he's starting to...

205

00:12:30,560 --> 00:12:32,560

Okay, so you can steady him, Alberto.

206

00:12:32,560 --> 00:12:33,560

Okay.

207

00:12:33,560 --> 00:12:34,560

Okay.

208

00:12:34,560 --> 00:12:36,560

Go ahead and lift him up a little bit.

209

00:12:36,560 --> 00:12:39,560

Let's let him up off the ground.

210

00:12:39,560 --> 00:12:42,560

Okay, this is it. The moment of truth.

211

00:12:42,560 --> 00:12:45,560

Okay, Upsy-Daisy, we don't need very much.

212

00:12:45,560 --> 00:12:47,560

Go ahead.

213

00:12:47,560 --> 00:12:49,560

There was so much pressure, so much force,

214

00:12:49,560 --> 00:12:51,560

so much power in those balloons

215

00:12:51,560 --> 00:12:54,560

that he shot up at 1,000 feet per minute.

216

00:12:54,560 --> 00:12:56,560

Okay, now to control it.

217

00:12:56,560 --> 00:12:57,560

All right, we're good.

218

00:12:57,560 --> 00:12:58,560

We're good.

219

00:12:58,560 --> 00:13:00,560

Yeah!

220

00:13:00,560 --> 00:13:04,560

Okay, last check before you let him go, Adam.

221

00:13:04,560 --> 00:13:06,560

All right, it's been nice knowing you.

222

00:13:06,560 --> 00:13:07,560

I love you all.

223

00:13:07,560 --> 00:13:10,560

Thanks for all your help on the job.

224

00:13:10,560 --> 00:13:11,560

Okay, Upsy-Daisy.

225

00:13:11,560 --> 00:13:15,560

Then I found out there was an audio file of the actual flight.

226

00:13:15,560 --> 00:13:18,560

Everybody get in the set, cut it out, get down now.

227

00:13:18,560 --> 00:13:20,560

Cut your balloons and come down now.

228

00:13:20,560 --> 00:13:22,560

Everyone watch it down now.

229

00:13:22,560 --> 00:13:25,560

After we had this evidence, quote-unquote,

230

00:13:25,560 --> 00:13:28,560

then all of a sudden the skeptics became believers.

231

00:13:33,560 --> 00:13:37,560

Pretty soon it's going to come time to start shooting those balloons out.

232

00:13:37,560 --> 00:13:42,560

I take the one that's right near you just crazy edge of it.

233

00:13:42,560 --> 00:13:44,560

Crazy, try and cut it.

234

00:13:45,560 --> 00:13:47,560

Good job.

235

00:13:49,560 --> 00:13:51,560

Yeah!

236

00:13:52,560 --> 00:13:57,560

Here we go!

237

00:13:57,560 --> 00:14:01,560

According to the myth, Larry was rescued by a helicopter,

238

00:14:01,560 --> 00:14:03,560

but in reality he really wasn't.

239

00:14:03,560 --> 00:14:05,560

He crashed landing right here.

240

00:14:05,560 --> 00:14:08,560

Larry ended up blacking out part of Long Beach,

241

00:14:08,560 --> 00:14:09,560

specifically this neighborhood,

242

00:14:09,560 --> 00:14:10,560

because when he hit the power lines,

243

00:14:10,560 --> 00:14:13,560

the only way to get him down was to cut the power.

244

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

All right, crew line, over we go.

245

00:14:16,560 --> 00:14:19,560

All right.

246

00:14:20,560 --> 00:14:22,560

All right, we need 10 bags over here.

247

00:14:22,560 --> 00:14:24,560

Oh, that was great!

248

00:14:24,560 --> 00:14:27,560

It went 100% successful, I'd say.

249

00:14:27,560 --> 00:14:31,560

It got up to about 75 feet, got a really great view.

250

00:14:31,560 --> 00:14:35,560

The shooting of the balloons worked out really great.

251

00:14:35,560 --> 00:14:37,560

Hey, good job.

252

00:14:37,560 --> 00:14:39,560

That was excellent.

253

00:14:39,560 --> 00:14:40,560

Let's have a hand for Larry.

254

00:14:40,560 --> 00:14:41,560

Definitely, Larry, good job.

255

00:14:41,560 --> 00:14:43,560

It's a lot of work.

256

00:14:43,560 --> 00:14:47,560

Logistically, it's with around 40,

257

00:14:47,560 --> 00:14:49,560

in excess of 40 weather balloons,

258

00:14:49,560 --> 00:14:50,560

it takes a long time to fill them up,

259

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

and it's a lot of tanks of stuff to get a hold of.

260

00:14:52,560 --> 00:14:55,560

You can't just sort of do this, you know,

261

00:14:55,560 --> 00:14:57,560

I think I'll go out and get a couple of tanks of helium

262

00:14:57,560 --> 00:14:58,560

and see what happens.

263

00:14:58,560 --> 00:15:00,560

It's a lot of tanks of helium.

264

00:15:00,560 --> 00:15:03,560

The Federal Airport Administration

265

00:15:03,560 --> 00:15:06,560

did not wish to be interviewed for MythBusters.

266

00:15:06,560 --> 00:15:10,560

They did, however, send a fax confirming many of the key details

267

00:15:10,560 --> 00:15:15,560

of Larry's story, including his \$1,500 fine.

268

00:15:15,560 --> 00:15:19,560

I would only do it again if it was sanctioned by the FAA

269

00:15:19,560 --> 00:15:22,560

and if it had FAA approval.

270

00:15:22,560 --> 00:15:24,560

So it doesn't look like I'd be doing it again.

271

00:15:24,560 --> 00:15:26,560

When we first heard about this gag,

272

00:15:26,560 --> 00:15:30,560

remember I told you, like, if there was one person anywhere

273

00:15:30,560 --> 00:15:33,560

of any time in the Earth's history

274

00:15:33,560 --> 00:15:35,560

that I would like to meet, it'd be this guy.

275

00:15:35,560 --> 00:15:38,560

I think this is inspired, you know,

276

00:15:38,560 --> 00:15:40,560

I'd like to just shake his hand.

277

00:15:45,560 --> 00:15:47,560

Yeah!

278

00:15:54,560 --> 00:15:56,560

So what do we have here?

279

00:15:56,560 --> 00:15:58,560

We have the poppy seed drug test.

280

00:15:58,560 --> 00:16:00,560

That's usually not even told in story form,

281

00:16:00,560 --> 00:16:02,560

just as like an unsubstantiated rumor.

282

00:16:02,560 --> 00:16:06,560

The myth is that eating a couple of poppy seed bagels

283

00:16:06,560 --> 00:16:08,560

or poppy seed cake in the morning

284

00:16:08,560 --> 00:16:12,560

could cause you to test positive for opium use on a drug screen.

285

00:16:12,560 --> 00:16:14,560

If I go out and look, I'll see as many people

286

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

are starting that you can't test positive with poppy seeds

287

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

as in many saying you can.

288

00:16:18,560 --> 00:16:21,560

So it's still a live question.

289

00:16:23,560 --> 00:16:25,560

So what do you think we're going to need for this test?

290

00:16:25,560 --> 00:16:27,560

Well, we've got the bagels

291

00:16:27,560 --> 00:16:31,560

and we've got some poppy seed bread, it says.

292

00:16:31,560 --> 00:16:35,560

And we need containers for urine

293

00:16:35,560 --> 00:16:39,560

and the drug test kits.

294

00:16:39,560 --> 00:16:40,560

That's about it.

295

00:16:40,560 --> 00:16:42,560

We are afraid of random drug testing.

296

00:16:42,560 --> 00:16:44,560

I myself find the whole concept to be abhorrent,

297

00:16:44,560 --> 00:16:47,560

yet I want my pilot and my bus driver to be clean.

298

00:16:47,560 --> 00:16:49,560

I want them to be random drug tested.

299

00:16:52,560 --> 00:16:55,560

So we're going to eat some poppy seeds.

300

00:16:55,560 --> 00:16:58,560

We're going to eat some bagels and we're going to eat some cake.

301

00:16:58,560 --> 00:17:01,560

I understand we can't eat anything else until we're done with this.

302

00:17:01,560 --> 00:17:03,560

I think we need to drink lots of water

303

00:17:03,560 --> 00:17:06,560

because we have to cough up a half a dozen urine samples today.

304

00:17:06,560 --> 00:17:07,560

Yeah.

305

00:17:07,560 --> 00:17:11,560

Keep testing about every hour, every two hours.

306

00:17:11,560 --> 00:17:13,560

Maybe at four hours, eight hours,

307

00:17:13,560 --> 00:17:16,560

and then tomorrow morning you can see where the test is registered.

308

00:17:16,560 --> 00:17:18,560

Perhaps one of us should eat a very little,

309

00:17:18,560 --> 00:17:20,560

and one of us should eat a lot.

310

00:17:20,560 --> 00:17:23,560

We're both about the same body weight.

311

00:17:23,560 --> 00:17:27,560

We're both about the same body weight, about 185, 180, somewhere in there.

312

00:17:27,560 --> 00:17:29,560

We bought kits over the web.

313

00:17:29,560 --> 00:17:33,560

A bargain at just \$16.95 for ten.

314

00:17:33,560 --> 00:17:37,560

So I think we ought to do a sample as a control before we start.

315

00:17:41,560 --> 00:17:42,560

Adam.

316

00:17:44,560 --> 00:17:46,560

Come on, hurry up in there.

317

00:17:46,560 --> 00:17:47,560

Yeah.

318

00:17:47,560 --> 00:17:51,560

This test sample will ensure its poppy seeds.

319

00:17:51,560 --> 00:17:53,560

Yeah, I hope it'll get pea-shy.

320

00:17:53,560 --> 00:17:57,560

And poppy seeds alone that is responsible for a positive result.

321

00:17:57,560 --> 00:17:59,560

Whoa, whoa!

322

00:17:59,560 --> 00:18:04,560

There's no tampering with the evidence on MythBuster.

323

00:18:04,560 --> 00:18:08,560

You take three drops and put it on the end of the test.

324

00:18:08,560 --> 00:18:11,560

This one for you, one for me.

325

00:18:11,560 --> 00:18:14,560

Oh, it comes with an eyedropper.

326

00:18:14,560 --> 00:18:15,560

How clever.

327

00:18:15,560 --> 00:18:18,560

So if it's negative two lines appear,

328

00:18:18,560 --> 00:18:20,560

one red line in the control,

329

00:18:20,560 --> 00:18:22,560

one red line in the control,

330

00:18:22,560 --> 00:18:24,560

one red line in the control,

331

00:18:24,560 --> 00:18:28,560

two lines appear, one red line in the control region,

332

00:18:28,560 --> 00:18:31,560

another apparent red or pink line should be in the test region.

333

00:18:31,560 --> 00:18:34,560

Positive one red line appears in the control region

334

00:18:34,560 --> 00:18:36,560

and no line in the test region.

335

00:18:36,560 --> 00:18:38,560

So you put three drops.

336

00:18:38,560 --> 00:18:40,560

That's low.

337

00:18:46,560 --> 00:18:49,560

Okay, so that's testing showing negative.

338

00:18:49,560 --> 00:18:53,560

The screening urine tests are an amino assay test.

339

00:18:53,560 --> 00:18:55,560

What that means is they have antibodies

340

00:18:55,560 --> 00:18:58,560

directed towards the compound that it's looking for.

341

00:18:58,560 --> 00:19:02,560

They look for the codeine and morphine in the urine with this.

342

00:19:02,560 --> 00:19:05,560

So those are exactly the same thing that it's tested for in heroin.

343

00:19:05,560 --> 00:19:08,560

Because heroin is broken down to those two substances.

344

00:19:08,560 --> 00:19:10,560

So we're both negative.

345

00:19:10,560 --> 00:19:11,560

Yes.

346

00:19:11,560 --> 00:19:13,560

Yeah, I haven't used drugs for weeks.

347

00:19:16,560 --> 00:19:18,560

Now for the tough questions.

348

00:19:18,560 --> 00:19:22,560

Cake is his head's bagels or tails.

349

00:19:23,560 --> 00:19:25,560

But who is who?

350

00:19:25,560 --> 00:19:27,560

Look, you call it in the air and you get to choose.

351

00:19:27,560 --> 00:19:29,560

Okay, heads.

352

00:19:31,560 --> 00:19:32,560

Cake!

353

00:19:32,560 --> 00:19:33,560

Alright.

354

00:19:35,560 --> 00:19:37,560

This is one of my favorite things in the world.

355

00:19:37,560 --> 00:19:39,560

Love puppy seat cake.

356

00:19:53,560 --> 00:20:00,560

The puppy seats definitely have morphine and codeine in them.

357

00:20:00,560 --> 00:20:03,560

So they are heroin puppy seats.

358

00:20:03,560 --> 00:20:05,560

But they are very low concentrations

359

00:20:05,560 --> 00:20:09,560

so you don't get the physical and mental effects from them.

360

00:20:09,560 --> 00:20:12,560

One of the articles that said that somebody who had eaten

361

00:20:12,560 --> 00:20:15,560

like 20,000 pounds of popcorn was a person

362

00:20:15,560 --> 00:20:18,560

who had been eating more than 10,000 pounds of popcorn.

363

00:20:18,560 --> 00:20:22,560

And that's a lot of people who have been eating more than 10,000 pounds

364

00:20:22,560 --> 00:20:23,560

of popcorn.

365

00:20:23,560 --> 00:20:26,560

And somebody who had eaten like 23 grams of puppy seats

366

00:20:26,560 --> 00:20:29,560

had started acting silly and goofy.

367

00:20:29,560 --> 00:20:31,560

And I'm not sure where you could determine

368

00:20:31,560 --> 00:20:33,560

that that would begin with me.

369

00:20:43,560 --> 00:20:46,560

I think this is going to cure me of my love for puppy seat cake

370

00:20:46,560 --> 00:20:48,560

once and for all.

371

00:20:52,560 --> 00:20:54,560

Oh, it's down to the last bite. Here we go.

372

00:20:56,560 --> 00:20:57,560

There it is.

373

00:20:59,560 --> 00:21:00,560

Oh man.

374

00:21:02,560 --> 00:21:04,560

The cake looked like it was pretty good.

375

00:21:04,560 --> 00:21:06,560

It's a lot better than a bagel.

376

00:21:08,560 --> 00:21:12,560

I'm thinking twice now that it's 2600 calories.

377

00:21:15,560 --> 00:21:16,560

Oh man.

378

00:21:16,560 --> 00:21:18,560

Polish it off there big guy.

379

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

Oh yeah.

380

00:21:21,560 --> 00:21:23,560

You animal.

381

00:21:23,560 --> 00:21:25,560

You are an animal.

382

00:21:26,560 --> 00:21:27,560

You first.

383

00:21:27,560 --> 00:21:31,560

It's now half an hour since we started eating puppy seats.

384

00:21:36,560 --> 00:21:38,560

Time for our second test.

385

00:21:42,560 --> 00:21:43,560

I got a cold.

386

00:21:49,560 --> 00:21:52,560

This may be a positive right here.

387

00:21:52,560 --> 00:21:54,560

It kind of looks that way.

388

00:21:54,560 --> 00:21:55,560

That's amazing.

389

00:21:55,560 --> 00:21:57,560

That's impressively fast.

390

00:21:57,560 --> 00:22:00,560

I've just tested positive for opiates.

391

00:22:00,560 --> 00:22:01,560

Whoops.

392

00:22:01,560 --> 00:22:03,560

No one expected that.

393

00:22:03,560 --> 00:22:05,560

Now we'll see how long it lasts.

394

00:22:07,560 --> 00:22:09,560

I feel like little goofy.

395

00:22:10,560 --> 00:22:11,560

Wow.

396

00:22:11,560 --> 00:22:13,560

I'm impressed that it's metabolized that fast.

397

00:22:13,560 --> 00:22:14,560

I wouldn't have called that.

398

00:22:14,560 --> 00:22:16,560

Yeah, I wouldn't either.

399

00:22:17,560 --> 00:22:19,560

I think I'm going to take a nap.

400

00:22:20,560 --> 00:22:21,560

I'm exhausted.

401

00:22:21,560 --> 00:22:22,560

You're busted.

402

00:22:22,560 --> 00:22:23,560

Yeah.

403

00:22:23,560 --> 00:22:24,560

You're done.

404

00:22:24,560 --> 00:22:25,560

No.

405

00:22:27,560 --> 00:22:30,560

One of our employees has just tested positive.

406

00:22:30,560 --> 00:22:32,560

Now what should we do?

407

00:22:33,560 --> 00:22:39,560

I'm wondering if your opiate instant test for opiates

408

00:22:39,560 --> 00:22:43,560

is sensitive enough that it might yield a false positive.

409

00:22:43,560 --> 00:22:44,560

Wow.

410

00:22:46,560 --> 00:22:49,560

My understanding is they won't show a false positive.

411

00:22:50,560 --> 00:22:54,560

I've called about five of these folks and you're the first one

412

00:22:54,560 --> 00:22:59,560

even like who's ever pretended to have heard of a false positive from puppy seats.

413

00:22:59,560 --> 00:23:00,560

Really?

414

00:23:00,560 --> 00:23:01,560

Yeah.

415

00:23:01,560 --> 00:23:05,560

Well, a false positive is when the drug test comes back positive

416

00:23:05,560 --> 00:23:08,560

for an illicit drug when that illicit drug was not taken.

417

00:23:09,560 --> 00:23:13,560

The test can detect between 300 and 1200 nanograms

418

00:23:13,560 --> 00:23:16,560

or billions of a gram of codeine.

419

00:23:16,560 --> 00:23:22,560

At that level, there's no way to distinguish between poppy seeds and heroin use.

420

00:23:22,560 --> 00:23:25,560

I mean, that's like the smoking gun we've been looking for.

421

00:23:25,560 --> 00:23:29,560

You know, it's the first, believe it, we have to go to Europe for it.

422

00:23:32,560 --> 00:23:35,560

Oh, there's a new bill in Congress to suppress all studies

423

00:23:35,560 --> 00:23:38,560

regarding the fallibility of American products.

424

00:23:39,560 --> 00:23:43,560

One study showed that some of them were actually at a 50% false positive rate,

425

00:23:43,560 --> 00:23:48,560

meaning that you're better off just flipping a coin rather than even doing a test.

426

00:23:51,560 --> 00:23:53,560

The indignity continues.

427

00:23:55,560 --> 00:23:57,560

I think I've just succeeded.

428

00:23:58,560 --> 00:23:59,560

Yep.

429

00:23:59,560 --> 00:24:01,560

I don't know what's that way of doing.

430

00:24:02,560 --> 00:24:04,560

Looks like you might have tested positive.

431

00:24:05,560 --> 00:24:08,560

Welcome to the club there, brother.

432

00:24:08,560 --> 00:24:09,560

Yeah.

433

00:24:09,560 --> 00:24:10,560

Dude.

434

00:24:12,560 --> 00:24:15,560

Now we've got two employees testing positive.

435

00:24:15,560 --> 00:24:18,560

Maybe we should double check our findings.

436

00:24:22,560 --> 00:24:25,560

Do you guys provide a service whereby if we get a positive,

437

00:24:25,560 --> 00:24:28,560

we can send it to you to confirm that it's a positive and not a false positive?

438

00:24:28,560 --> 00:24:29,560

You don't.

439

00:24:29,560 --> 00:24:32,560

We sell the products, but we don't get into that aspect of it.

440

00:24:32,560 --> 00:24:34,560

Thanks very much.

441

00:24:34,560 --> 00:24:37,560

Well, the pre-employment tests, you know, they should,

442

00:24:37,560 --> 00:24:40,560

if they are doing things right, to do the screening tests first

443

00:24:40,560 --> 00:24:44,560

and then go on to the more accurate gas chromatographic mass spectrometer,

444

00:24:44,560 --> 00:24:46,560

which it also has its problems, but it is more accurate.

445

00:24:50,560 --> 00:24:53,560

It's now four hours since bagel consumption,

446

00:24:53,560 --> 00:24:56,560

and there is still no tampering with the evidence.

447

00:24:56,560 --> 00:24:58,560

You're still positive.

448

00:24:58,560 --> 00:25:00,560

I'm still positive.

449

00:25:00,560 --> 00:25:03,560

Still positive after all these hours.

450

00:25:03,560 --> 00:25:06,560

So is there going to be a girl or a boy, do you think?

451

00:25:06,560 --> 00:25:09,560

I ate a hell of a lot, but you only ate three bagels.

452

00:25:09,560 --> 00:25:12,560

That's not, you know, unheard of.

453

00:25:12,560 --> 00:25:14,560

And you're still testing positive four hours later.

454

00:25:14,560 --> 00:25:16,560

I'm pretty surprised.

455

00:25:16,560 --> 00:25:19,560

I probably wouldn't have believed it myself if I actually hadn't been

456

00:25:19,560 --> 00:25:22,560

the newspaper reporter there right after the test.

457

00:25:22,560 --> 00:25:25,560

In 1997, Larry covered the case of a Florida woman

458

00:25:25,560 --> 00:25:29,560

who sued after her employer withdrew a lucrative job offer.

459

00:25:29,560 --> 00:25:34,560

She ate two poppy seed bagels in her car on the way to St. Petersburg

460

00:25:34,560 --> 00:25:37,560

the morning of the interview, and that apparently was enough,

461

00:25:37,560 --> 00:25:43,560

quickly enough, to make her turn up a positive result on one of these tests.

462

00:25:43,560 --> 00:25:45,560

Here on MythBusters,

463

00:25:45,560 --> 00:25:47,560

the news reporter, Larry, who is a former reporter

464

00:25:47,560 --> 00:25:50,560

has turned up a positive result on one of these tests.

465

00:25:50,560 --> 00:25:55,560

Here on MythBusters, nothing gets in the way of science.

466

00:25:55,560 --> 00:25:58,560

It's now eight hours since bagel consumption.

467

00:25:58,560 --> 00:26:01,560

Tonight we have a special dip.

468

00:26:01,560 --> 00:26:05,560

It is the finest sauce in all of France.

469

00:26:05,560 --> 00:26:08,560

How's it going?

470

00:26:08,560 --> 00:26:10,560

Okay.

471

00:26:10,560 --> 00:26:13,560

And we're both clearly positive for opiants.

472

00:26:13,560 --> 00:26:15,560

Frankly, I'm amazed.

473

00:26:15,560 --> 00:26:18,560

It's a very effective test.

474

00:26:18,560 --> 00:26:20,560

Let's throw out this toxic waste.

475

00:26:20,560 --> 00:26:25,560

The studies show up to 72 hours, testing positive after ingestion of a poppy seed bagel.

476

00:26:25,560 --> 00:26:30,560

We probably average getting 10 calls a day of people who have been devastated,

477

00:26:30,560 --> 00:26:33,560

have lost their jobs due to false positive tests.

478

00:26:33,560 --> 00:26:35,560

And that is the cause that we get.

479

00:26:35,560 --> 00:26:39,560

I mean, there's tens of thousands of people that just every year lose their jobs

480

00:26:39,560 --> 00:26:41,560

and actually don't even know,

481

00:26:41,560 --> 00:26:44,560

because they're not even told they tested positive on the pre-employment test.

482

00:26:45,560 --> 00:26:48,560

Ready to get started this morning?

483

00:26:48,560 --> 00:26:53,560

It's now 18 hours since bagel ingestion.

484

00:26:53,560 --> 00:26:56,560

Do you think you're going to be positive? Do you think you'll still test positive?

485

00:26:56,560 --> 00:26:59,560

I think I'm going to test positive. I don't have anything to base that on.

486

00:26:59,560 --> 00:27:02,560

It just seemed awfully consistent, you know?

487

00:27:02,560 --> 00:27:04,560

Right.

488

00:27:05,560 --> 00:27:07,560

Yeah, it's a little faint.

489

00:27:07,560 --> 00:27:12,560

I would interpret that as there's a trace,

490

00:27:12,560 --> 00:27:15,560

because the other one is stronger.

491

00:27:17,560 --> 00:27:20,560

I think on the literature, if I'm correct,

492

00:27:20,560 --> 00:27:24,560

it actually states that if there's even a hint of a line, it's a negative.

493

00:27:24,560 --> 00:27:26,560

Okay.

494

00:27:26,560 --> 00:27:30,560

I mean, we don't have any way of knowing what that threshold is.

495

00:27:30,560 --> 00:27:31,560

Yeah.

496

00:27:31,560 --> 00:27:34,560

So, what's the verdict? Do you think it's a myth or is it true?

497

00:27:34,560 --> 00:27:36,560

Oh, it's clearly true.

498

00:27:36,560 --> 00:27:41,560

You know, we ate a normal amount of poppy seed bagels and poppy seed products

499

00:27:41,560 --> 00:27:47,560

and they showed positive on the test for a fairly long period of time.

500

00:27:47,560 --> 00:27:52,560

I think it's thought of as a legend because it has been downplayed by the drug testing industry.

501

00:27:52,560 --> 00:27:56,560

You see a poppy seed bagel sitting on your counter and you think there's breakfast.

502

00:27:56,560 --> 00:27:59,560

You don't think there's something that could cause me to lose a job,

503

00:27:59,560 --> 00:28:02,560

get in trouble, get arrested.

504

00:28:02,560 --> 00:28:05,560

It's just not what you think when you're looking at your first meal of the morning.

505

00:28:05,560 --> 00:28:10,560

Goldfinger.

506

00:28:10,560 --> 00:28:16,560

You may not know or you may remember that in 1964, the movie Goldfinger.

507

00:28:16,560 --> 00:28:20,560

Shirley Eaton was an actress who played the role of a secretary.

508

00:28:20,560 --> 00:28:22,560

For the evil or goldfinger.

509

00:28:22,560 --> 00:28:28,560

After I think betraying her boss, she apparently was murdered by having her skin painted with gold.

510

00:28:28,560 --> 00:28:32,560

The story goes that if you paint your whole body with gold paint,

511

00:28:32,560 --> 00:28:36,560

your skin will not be able to breathe.

512

00:28:36,560 --> 00:28:41,560

The solution to this supposedly is to leave a small patch at the base of your spine.

513

00:28:41,560 --> 00:28:48,560

To test this, Jamie is going to run on a treadmill for ten minutes as we measure his vital signs.

514

00:28:48,560 --> 00:28:54,560

Then we'll paint him up and he'll run again and we'll see if there's a change.

515

00:28:54,560 --> 00:28:57,560

Do you have ideas about what we should cover you in?

516

00:28:57,560 --> 00:29:01,560

I mean, I wouldn't do it with like oil based or enamel paint or something like that.

517

00:29:01,560 --> 00:29:07,560

Obviously, I'm not going to grab a spray can of gold paint and just go for it.

518

00:29:07,560 --> 00:29:08,560

That would be really cool though.

519

00:29:08,560 --> 00:29:12,560

It would be fun, but it probably wouldn't be flexible enough anyway.

520

00:29:12,560 --> 00:29:17,560

So if you're looking for a flexible paint, that would be latex.

521

00:29:17,560 --> 00:29:22,560

And the gold, we can essentially make a gold paint.

522

00:29:22,560 --> 00:29:29,560

I believe that's what they do for, sometimes people do this to go out and party.

523

00:29:29,560 --> 00:29:32,560

They strip down and paint their clothing on.

524

00:29:32,560 --> 00:29:34,560

We've got these for you.

525

00:29:34,560 --> 00:29:39,560

And I think you probably want to wear these even after the show because they're so fabulous.

526

00:29:39,560 --> 00:29:41,560

Oh my God.

527

00:29:44,560 --> 00:29:47,560

You actually think you're going to see me get in these, do you?

528

00:29:47,560 --> 00:29:50,560

I don't think. I'm actually quite convinced of it.

529

00:29:50,560 --> 00:29:56,560

There's no way you're going to paint it with gold paint and slap on a pair of tidy whiteies and get on that treadmill.

530

00:29:56,560 --> 00:29:57,560

You look ridiculous.

531

00:29:57,560 --> 00:30:01,560

This way, the ridicule happens completely and naturally.

532

00:30:01,560 --> 00:30:04,560

Well, thank you.

533

00:30:06,560 --> 00:30:20,560

I think the concept of painting the skin with a substance and causing death is probably related to other chemicals that may have been included in the past in certain substances that were put on the skin.

534

00:30:20,560 --> 00:30:24,560

In Elizabethan times, lead was an essential ingredient in makeup.

535

00:30:24,560 --> 00:30:30,560

Wearers died from lead poisoning, but it was slow and painful.

536

00:30:30,560 --> 00:30:37,560

We're going to do a test patch on Jamie to ensure the gold powder doesn't cause any complications.

537

00:30:37,560 --> 00:30:42,560

Oh yeah. So this is the color we're looking to match there, gold boy.

538

00:30:42,560 --> 00:30:45,560

Want to make sure that you're shiny.

539

00:30:45,560 --> 00:30:48,560

Well, we can do that and it takes at least three coats.

540

00:30:48,560 --> 00:30:53,560

So we'll get successively more dense with the pigment as we go up.

541

00:30:53,560 --> 00:30:58,560

From what we've been told, the real danger here is from heat exhaustion.

542

00:30:58,560 --> 00:31:04,560

Apparently at celebrations like Carnival where people paint their whole bodies with paint, there's a lot of people passing out.

543

00:31:04,560 --> 00:31:10,560

So we should monitor your temperature absolutely while you're painting.

544

00:31:10,560 --> 00:31:13,560

Yeah, that'd be the only thing I would worry about with this.

545

00:31:13,560 --> 00:31:20,560

I don't believe for a second the little small patch at the base of the spine that sounds like nonsense.

546

00:31:20,560 --> 00:31:26,560

Even the small danger that you'll overheat on a cool morning like this, I think it's important that we have an EMT team standing by.

547

00:31:26,560 --> 00:31:28,560

Oh yeah.

548

00:31:34,560 --> 00:31:38,560

You know there's only two ways to monitor your core body temperature.

549

00:31:38,560 --> 00:31:42,560

Through your ear and the rectal thermometer.

550

00:31:42,560 --> 00:31:45,560

I'm just going to have you take some breaths, big breath with your mouth.

551

00:31:45,560 --> 00:31:46,560

Do you have a preference?

552

00:31:46,560 --> 00:31:49,560

Yes, I would prefer the ear.

553

00:31:49,560 --> 00:31:51,560

What pressure?

554

00:31:51,560 --> 00:31:53,560

Especially if I'm running under treadmill.

555

00:31:53,560 --> 00:31:56,560

Yeah, I was wondering about that.

556

00:31:56,560 --> 00:31:58,560

134 by 90.

557

00:31:58,560 --> 00:32:00,560

88.

558

00:32:00,560 --> 00:32:02,560

Getting used to it.

559

00:32:02,560 --> 00:32:03,560

It's so hard.

560

00:32:03,560 --> 00:32:07,560

Janie's vitals are normal and there are no ill effects from the test patch.

561

00:32:07,560 --> 00:32:09,560

Oh, that's going to be cool.

562

00:32:09,560 --> 00:32:12,560

You'll end up with a Jamie suit.

563

00:32:12,560 --> 00:32:17,560

Alright, smoke of fire.

564

00:32:18,560 --> 00:32:24,560

5, 4, 3, 2, go.

565

00:32:24,560 --> 00:32:34,560

First, for some kind of, some basis to test off of, I should work out for, you know, for about half of what my normal workout would be.

566

00:32:34,560 --> 00:32:40,560

And so, let's just say that I'll do 10 minutes without the gold paint.

567

00:32:43,560 --> 00:32:48,560

Okay, so heart rate 136.

568

00:32:48,560 --> 00:32:51,560

Is temperature?

569

00:32:51,560 --> 00:32:59,560

And we'll measure body temperature and, you know, everything that we can measure that's important.

570

00:32:59,560 --> 00:33:03,560

And then we'll have that to compare with.

571

00:33:03,560 --> 00:33:08,560

You're not going to be able to, do you want me to stop for that or what?

572

00:33:08,560 --> 00:33:11,560

Here, you put it in your ear.

573

00:33:11,560 --> 00:33:14,560

Put it in your ear and push that button.

574

00:33:16,560 --> 00:33:18,560

Alright, cool.

575

00:33:18,560 --> 00:33:21,560

96.8.

576

00:33:21,560 --> 00:33:31,560

When we get overheated, the way the body responds to heat is by losing sweat and also by losing heat through our blood vessels.

577

00:33:31,560 --> 00:33:35,560

We're right at the halfway mark.

578

00:33:35,560 --> 00:33:39,560

Jamie's blood oxygen is 80%.

579

00:33:39,560 --> 00:33:41,560

That's one mile.

580

00:33:41,560 --> 00:33:44,560

At his body temperature is 97.8 degrees.

581

00:33:44,560 --> 00:33:47,560

All perfectly normal.

582

00:33:47,560 --> 00:33:49,560

Yeah, we're right at 10 minutes here too.

583

00:33:49,560 --> 00:33:50,560

Okay, we shut it off?

584

00:33:50,560 --> 00:33:52,560

Yeah.

585

00:33:56,560 --> 00:33:59,560

Do you think there'll be any problems with getting painted with gold paint?

586

00:33:59,560 --> 00:34:01,560

No, not at all.

587

00:34:01,560 --> 00:34:06,560

If I get thoroughly sealed up, it's no doubt going to keep me from perspiring,

588

00:34:06,560 --> 00:34:12,560

which means that I'm not going to be able to be physically active as long.

589

00:34:21,560 --> 00:34:24,560

No, no, no, go put those on first, then we'll just paint it.

590

00:34:24,560 --> 00:34:26,560

I'm not going to put those on until the last minute.

591

00:34:26,560 --> 00:34:28,560

But you've got to put them on over the gold paint?

592

00:34:28,560 --> 00:34:33,560

Come on, listen, you're already naked and running on a treadmill painted with gold paint.

593

00:34:33,560 --> 00:34:35,560

There's no such thing as shame or embarrassment here.

594

00:34:35,560 --> 00:34:37,560

Go put on the gold shorts.

595

00:34:37,560 --> 00:34:39,560

Come on back, I'll paint the sun.

596

00:34:44,560 --> 00:34:48,560

I got you some detail brushes for the insides of your ears and stuff.

597

00:34:48,560 --> 00:34:52,560

Yeah, the human fresco.

598

00:34:56,560 --> 00:34:57,560

Go out.

599

00:34:57,560 --> 00:34:59,560

I'm having so much fun.

600

00:34:59,560 --> 00:35:06,560

So Jamie, I am actually painting right over the small of your back in flagrant disregard of the gold finger myth.

601

00:35:08,560 --> 00:35:10,560

I hope you'll be all right.

602

00:35:10,560 --> 00:35:18,560

As a dermatologist, I would highly recommend that this is not done by any of you who are listening to this program.

603

00:35:18,560 --> 00:35:24,560

And you could develop heat stroke, which is a very severe illness and can lead to death.

604

00:35:25,560 --> 00:35:27,560

Oh, yeah.

605

00:35:27,560 --> 00:35:30,560

These things are kind of, they squeak when I walk.

606

00:35:34,560 --> 00:35:36,560

Okay, look at this.

607

00:35:39,560 --> 00:35:41,560

You starting to feel guilty?

608

00:35:44,560 --> 00:35:48,560

Are you feeling any heat sensations or dizziness or anything like that?

609

00:35:48,560 --> 00:35:55,560

You know, the only thing I feel actually kind of cold and like shivers, which is not a sign of heat stroke, I don't believe.

610

00:35:55,560 --> 00:36:01,560

But I do feel something kind of, of course it's all, feels weird.

611

00:36:01,560 --> 00:36:03,560

I guess it's all it is.

612

00:36:06,560 --> 00:36:09,560

It feels strange to move because it pulls.

613

00:36:11,560 --> 00:36:13,560

Otherwise it just feels cold.

614

00:36:14,560 --> 00:36:18,560

All right, so careful about moving.

615

00:36:18,560 --> 00:36:20,560

Time for a checkup.

616

00:36:20,560 --> 00:36:26,560

Okay, so Jamie's blood oxygen saturation is 100% and he's definitely still breathing.

617

00:36:26,560 --> 00:36:28,560

That's another myth busting.

618

00:36:28,560 --> 00:36:29,560

Or is it?

619

00:36:29,560 --> 00:36:33,560

The amount of oxygen that's absorbed through the skin is minimal.

620

00:36:34,560 --> 00:36:38,560

The amount of carbon dioxide that we lose through the skin is also insignificant.

621

00:36:38,560 --> 00:36:44,560

So in terms of respiration through the skin, this is really not an important factor.

622

00:36:48,560 --> 00:36:54,560

Hmm, let's try it on the other arm. 140 over 110 on that arm.

623

00:36:56,560 --> 00:36:58,560

Does that mean it's my blood pressure elevated?

624

00:36:58,560 --> 00:37:01,560

Yeah, let's try it like they did before.

625

00:37:01,560 --> 00:37:03,560

This wasn't part of the plan.

626

00:37:08,560 --> 00:37:10,560

I'm afraid not. 140, 110.

627

00:37:10,560 --> 00:37:12,560

140, 110.

628

00:37:12,560 --> 00:37:16,560

Jamie seems to be suffering bizarre blood pressure fluctuations.

629

00:37:16,560 --> 00:37:19,560

So what's the problem? What's, what are you guys...

630

00:37:26,560 --> 00:37:28,560

Is this something that worries you guys?

631

00:37:28,560 --> 00:37:29,560

Yeah.

632

00:37:29,560 --> 00:37:31,560

Where is the danger zone?

633

00:37:31,560 --> 00:37:32,560

I got a bottom number about 108.

634

00:37:32,560 --> 00:37:33,560

It's close enough.

635

00:37:33,560 --> 00:37:34,560

There you go.

636

00:37:34,560 --> 00:37:37,560

Yeah, it's really strange to tell you the truth.

637

00:37:38,560 --> 00:37:40,560

Hello, I'm Shirley Eaton.

638

00:37:40,560 --> 00:37:45,560

I expect you might remember me as Jill Masterson in Goldfinger.

639

00:37:45,560 --> 00:37:48,560

The James Bond favourite film.

640

00:37:48,560 --> 00:37:51,560

Well as you can see, I'm very much alive.

641

00:37:52,560 --> 00:37:54,560

Shirley survived.

642

00:37:54,560 --> 00:37:56,560

So what's wrong with Jamie?

643

00:37:56,560 --> 00:37:59,560

His blood pressure has hit worrying heights.

644

00:37:59,560 --> 00:38:01,560

The diastolic blood pressure.

645

00:38:01,560 --> 00:38:07,560

That's the lower number and that is, that's a part of what the, the heart is doing at...

646

00:38:08,560 --> 00:38:10,560

on the return, is that it?

647

00:38:10,560 --> 00:38:14,560

Pressure should be low because when you squeeze, that's the bit of top number.

648

00:38:14,560 --> 00:38:17,560

That's the pressure in your veins and your arteries, when your arteries are particular.

649

00:38:17,560 --> 00:38:20,560

When you squeeze, the heart squeezes, the blood pumps through.

650

00:38:20,560 --> 00:38:25,560

And the heart relaxes, so that number obviously drops, you know, 140 to 110.

651

00:38:25,560 --> 00:38:27,560

That's a lower number, but that's still high.

652

00:38:27,560 --> 00:38:33,560

110 is a high number for a relax, should be 80, I mean, 120 or 80 is kind of normal.

653

00:38:33,560 --> 00:38:35,560

That morning wasn't pleasant.

654

00:38:35,560 --> 00:38:37,560

I almost felt like I had flu.

655

00:38:37,560 --> 00:38:43,560

I suppose becoming hot made me feel, and I suppose a little fear with everybody saying,

656

00:38:43,560 --> 00:38:47,560

we must be careful with Shirley, we must be careful with Shirley.

657

00:38:47,560 --> 00:38:53,560

I feel similar to what I would, I guess, right before I was coming down with a flu or something.

658

00:38:53,560 --> 00:38:55,560

You know, it feels a little strange.

659

00:38:55,560 --> 00:38:59,560

Could there be some truth to the myth, after all?

660

00:38:59,560 --> 00:39:01,560

I would have to say it's weird.

661

00:39:01,560 --> 00:39:04,560

I feel really, I'm starting to get really uncomfortable.

662

00:39:04,560 --> 00:39:07,560

But I can't really say why.

663

00:39:07,560 --> 00:39:12,560

It's mainly that these variations of being chilled in some areas,

664

00:39:12,560 --> 00:39:16,560

and feeling like almost burning hot in others.

665

00:39:16,560 --> 00:39:20,560

The only way I can explain this is, again, by the occlusion of the skin,

666

00:39:20,560 --> 00:39:23,560

causing an increase in body temperature,

667

00:39:23,560 --> 00:39:29,560

and then the body reacting in a fight or flight mechanism,

668

00:39:29,560 --> 00:39:32,560

and increasing its blood pressure and heart rate.

669

00:39:32,560 --> 00:39:37,560

Body temperature stuff is really, it's not something to play around with.

670

00:39:37,560 --> 00:39:40,560

What we are doing here is potentially dangerous.

671

00:39:40,560 --> 00:39:44,560

I could die, if I'm not careful with this thing.

672

00:39:44,560 --> 00:39:47,560

You guys probably wouldn't recommend ten minutes of straightening,

673

00:39:47,560 --> 00:39:51,560

a medium exercise or something with a blood pressure.

674

00:39:51,560 --> 00:39:54,560

I mean, I think it's kind of dangerous myself.

675

00:39:54,560 --> 00:39:55,560

Yeah.

676

00:39:55,560 --> 00:39:59,560

I mean, 110 standing up, just, you know.

677

00:39:59,560 --> 00:40:01,560

I would recommend not.

678

00:40:01,560 --> 00:40:03,560

Hi, General. This is Parametric 920.

679

00:40:03,560 --> 00:40:05,560

What you're wishing to do is come and consult with you.

680

00:40:05,560 --> 00:40:07,560

I mean, we're modified.

681

00:40:07,560 --> 00:40:10,560

We're going to get a second opinion on that.

682

00:40:10,560 --> 00:40:12,560

We're just concerned about the pressure,

683

00:40:12,560 --> 00:40:16,560

which we checked several times with no change.

684

00:40:16,560 --> 00:40:18,560

Medic 920, I copy you.

685

00:40:18,560 --> 00:40:21,560

Even though physiologically it doesn't make sense to have those changes,

686

00:40:21,560 --> 00:40:26,560

I stall it, but it's really just by covering with latex paint.

687

00:40:26,560 --> 00:40:29,560

But if really that's the number that you got,

688

00:40:29,560 --> 00:40:32,560

then I would agree with you to advise the patient not to do that.

689

00:40:32,560 --> 00:40:33,560

Over.

690

00:40:33,560 --> 00:40:36,560

Jamie's symptoms are bizarre.

691

00:40:36,560 --> 00:40:40,560

My life signs are showing questionable numbers,

692

00:40:40,560 --> 00:40:43,560

as well as I certainly don't feel normal.

693

00:40:43,560 --> 00:40:48,560

I feel like I'm basically about to become ill.

694

00:40:48,560 --> 00:40:54,560

I could say it's almost like I'm a little light-headed.

695

00:40:54,560 --> 00:40:55,560

I can tell.

696

00:40:55,560 --> 00:40:56,560

I feel...

697

00:40:56,560 --> 00:40:57,560

Let's get that off you then.

698

00:40:57,560 --> 00:40:58,560

Okay.

699

00:40:58,560 --> 00:41:01,560

Well, there we go.

700

00:41:01,560 --> 00:41:02,560

You want to start rubbing it?

701

00:41:02,560 --> 00:41:04,560

We're going to pull the plug on this one.

702

00:41:04,560 --> 00:41:06,560

The best thing for you to do is probably rub it with your fingers.

703

00:41:06,560 --> 00:41:08,560

The hairs or what hair is left.

704

00:41:08,560 --> 00:41:10,560

If we can get the head first, that would be really fun.

705

00:41:10,560 --> 00:41:11,560

Yeah.

706

00:41:13,560 --> 00:41:15,560

Okay, that's just plain strange.

707

00:41:15,560 --> 00:41:20,560

Well, that's where the heat would be contained the most.

708

00:41:20,560 --> 00:41:22,560

Oh, man.

709

00:41:22,560 --> 00:41:24,560

I'm sorry. Am I hurting you?

710

00:41:24,560 --> 00:41:28,560

No, go for it, but it feels like I'm being skinned.

711

00:41:28,560 --> 00:41:29,560

Horrible.

712

00:41:29,560 --> 00:41:31,560

Taking the paint off was a nightmare.

713

00:41:31,560 --> 00:41:36,560

It's best to skin your Jamie before you prepare him for the frying pan.

714

00:41:36,560 --> 00:41:40,560

One of the makeup ladies and wardrobe lady came with me into my dressing room,

715

00:41:40,560 --> 00:41:44,560

into the bathroom, and they just scrubbed me down with sponges and soap,

716

00:41:44,560 --> 00:41:46,560

and I was all pink and sore.

717

00:41:46,560 --> 00:41:48,560

I think you got something here though,

718

00:41:48,560 --> 00:41:51,560

because we all kind of thought that this was going to be just no big deal.

719

00:41:51,560 --> 00:41:52,560

Yeah.

720

00:41:52,560 --> 00:41:54,560

It got nerve wracking quite fast.

721

00:41:54,560 --> 00:41:56,560

Yes, it did.

722

00:41:56,560 --> 00:41:59,560

Are you starting to feel a little bit better, Jamie?

723

00:41:59,560 --> 00:42:00,560

Feels better.

724

00:42:00,560 --> 00:42:05,560

He was totally beat red before, and now he's a great color.

725

00:42:05,560 --> 00:42:08,560

I think it would have been very bad.

726

00:42:08,560 --> 00:42:10,560

He wouldn't have done well.

727

00:42:11,560 --> 00:42:16,560

Jamie's blood pressure fluctuations are obviously related to the latex.

728

00:42:16,560 --> 00:42:19,560

Exactly how remains a mystery.

729

00:42:23,560 --> 00:42:25,560

So how do you feel?

730

00:42:25,560 --> 00:42:26,560

Much better.

731

00:42:26,560 --> 00:42:27,560

Yeah.

732

00:42:27,560 --> 00:42:30,560

You know, I don't think it would have been a problem really,

733

00:42:30,560 --> 00:42:36,560

but it definitely felt weird, and none of us here are doctors,

734

00:42:36,560 --> 00:42:39,560

and it's not a controlled experiment.

735

00:42:39,560 --> 00:42:44,560

It's seeing the least little sign like a blood pressure rise,

736

00:42:44,560 --> 00:42:47,560

and we don't know what it means for sure,

737

00:42:47,560 --> 00:42:50,560

is a good, strong reason to pull the plug.

738

00:42:51,560 --> 00:42:52,560

Okay, just relax your arm.

739

00:42:52,560 --> 00:42:56,560

We're going to give him one last check, just to be sure.

740

00:42:59,560 --> 00:43:00,560

We pull it over 90.

741

00:43:00,560 --> 00:43:02,560

Okay, that's where we started.

742

00:43:02,560 --> 00:43:03,560

Woo-hoo!

743

00:43:03,560 --> 00:43:06,560

Back to normal, back online, back on duty.

744

00:43:06,560 --> 00:43:08,560

Okay, 100% that's good.

745

00:43:08,560 --> 00:43:12,560

And normal sinus rhythm at 76, that's all good.

746

00:43:12,560 --> 00:43:15,560

It definitely had an effect.

747

00:43:15,560 --> 00:43:18,560

You know, it was clear there was something going on there,

748

00:43:18,560 --> 00:43:23,560

and so, you know, whether somebody would die, I doubt it.

749

00:43:23,560 --> 00:43:24,560

Glad you're back.

750

00:43:24,560 --> 00:43:25,560

Thanks.

751

00:43:32,560 --> 00:43:33,560

All right.

752

00:43:33,560 --> 00:43:36,560

Make the world safer for television.

753

00:43:36,560 --> 00:43:40,560

After Goldfinger, I made seven more films,

754

00:43:40,560 --> 00:43:43,560

and I wondered, you know, who started this myth,

755

00:43:43,560 --> 00:43:47,560

apart from the fact that we know that it's unpleasant to be painted gold,

756

00:43:47,560 --> 00:43:50,560

I thought, haven't they seen any of my recent films?

757

00:43:50,560 --> 00:43:52,560

I'm still very much alive.

758

00:43:52,560 --> 00:43:56,560

The irony of show business is I was in that film five minutes,

759

00:43:56,560 --> 00:43:57,560

the shortest role I ever did,

760

00:43:57,560 --> 00:44:01,560

and it's the one that made me a piece of cinema history.

761

00:44:17,560 --> 00:44:19,560

Yeah.