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00:00:00,000 --> 00:00:06,000

Deck the halls on this special episode.

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

The Mythbusters are cracking open holiday myths.

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

Can turkeys explode?

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00:00:13,000 --> 00:00:16,000

Turkey master, I hand you your bird.

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

Will a spoon keep champagne fizzy?

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00:00:19,000 --> 00:00:21,000

It's like drinking stars.

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00:00:21,000 --> 00:00:24,000

Are there killer icicles?

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

Oh wow!

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00:00:26,000 --> 00:00:29,000

Who are the Mythbusters?

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00:00:29,000 --> 00:00:30,000

Adam Savage

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

I reject your reality and substitute my own.

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00:00:33,000 --> 00:00:34,000

And Jamie Heineman

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00:00:34,000 --> 00:00:36,000

I don't like any of this, it's private.

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00:00:36,000 --> 00:00:41,000

Between them, more than 30 years special effects experience.

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00:00:41,000 --> 00:00:43,000

That was intense.

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00:00:43,000 --> 00:00:46,000

They don't just tell the myths,

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

they put them to the test.

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00:00:53,000 --> 00:00:57,000

Man Jamie, it snowed like crazy out here last night.

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00:00:57,000 --> 00:01:01,000

Yeah, this is how it snows in San Francisco, in plastic bags.

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00:01:01,000 --> 00:01:09,000

We've got to take a look at the myth of whether or not a clothed snowman melts slower than a naked snowman.

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00:01:09,000 --> 00:01:11,000

Can we show a naked snowman on television?

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00:01:11,000 --> 00:01:13,000

This is a family show.

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00:01:13,000 --> 00:01:15,000

Maybe we'll put a fig leaf.

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00:01:15,000 --> 00:01:18,000

At any rate, let's just get started making some snowmen.

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00:01:19,000 --> 00:01:25,000

Just remember everyone, we're working in a really cold environment.

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00:01:25,000 --> 00:01:31,000

So if your fingers start to lose feeling, make sure you go inside and get a cup of tea or something.

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00:01:36,000 --> 00:01:39,000

That would be Adam's untrimmed nose hair.

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00:01:39,000 --> 00:01:41,000

What does it say?

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00:01:41,000 --> 00:01:43,000

80 degrees.

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00:01:43,000 --> 00:01:46,000

80 degrees out here, San Francisco summer.

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00:01:46,000 --> 00:01:48,000

Let's start the timer.

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00:01:48,000 --> 00:01:49,000

Okay.

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00:01:49,000 --> 00:01:51,000

And go!

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00:01:51,000 --> 00:01:54,000

Alright, so a check in on our snowmen.

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00:01:54,000 --> 00:01:57,000

Let's see here.

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00:01:57,000 --> 00:01:59,000

That looks a lot more intact than yours does.

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00:01:59,000 --> 00:02:01,000

Yeah, I mean, mine's just completely collapsing.

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00:02:01,000 --> 00:02:03,000

It was just as big as yours when we started.

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00:02:03,000 --> 00:02:05,000

We've been going for a couple of hours now.

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00:02:05,000 --> 00:02:09,000

It looks like it's going to be a lot more difficult to get it out of the way.

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00:02:09,000 --> 00:02:12,000

I mean, it's just a lot more difficult to get it out of the way.

42

00:02:12,000 --> 00:02:15,000

I mean, it's just a lot more difficult to get it out of the way.

43

00:02:15,000 --> 00:02:18,000

I mean, it's just a lot more difficult to get it out of the way.

44

00:02:18,000 --> 00:02:21,000

So, we've started. We've been going for a couple of hours now.

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00:02:21,000 --> 00:02:23,000

It looks like yours is starting to lean over.

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00:02:23,000 --> 00:02:25,000

I think it's going to crumble any minute now.

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00:02:25,000 --> 00:02:28,000

Let's just give them a little bit longer and then we'll see what happens.

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00:02:31,000 --> 00:02:33,000

This one's a classic holiday myth.

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00:02:33,000 --> 00:02:37,000

It's the idea that a silver spoon put in the neck of an open bottle of champagne

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00:02:37,000 --> 00:02:40,000

will actually keep it bubblier than any other method.

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00:02:40,000 --> 00:02:43,000

So, it looks like we need to leave one alone as the control, right?

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00:02:43,000 --> 00:02:44,000

Exactly.

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00:02:44,000 --> 00:02:47,000

Then the other one will have the silver spoon hung in it.

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00:02:47,000 --> 00:02:48,000

Right?

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00:02:48,000 --> 00:02:50,000

One that's left open without anything on it.

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00:02:50,000 --> 00:02:51,000

Correct.

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00:02:51,000 --> 00:02:54,000

And then one that we've taken the cork out and put it back.

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00:02:54,000 --> 00:02:55,000

Yes.

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00:03:01,000 --> 00:03:03,000

Ooh, I'm feeling a little lightheaded already.

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00:03:04,000 --> 00:03:06,000

It's like drinking stars.

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00:03:06,000 --> 00:03:07,000

Oh.

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00:03:13,000 --> 00:03:20,000

So, we have our control, the silver spoon, open bottle, and the recorked bottle.

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00:03:21,000 --> 00:03:22,000

Okay.

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00:03:23,000 --> 00:03:24,000

All right.

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00:03:24,000 --> 00:03:28,000

So, we'll check them out tomorrow and see which one remained the bubbliest.

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00:03:37,000 --> 00:03:41,000

Well, Adam, it's been five hours and 40 minutes out here.

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00:03:41,000 --> 00:03:43,000

The snowmen have been merrily melting away.

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00:03:43,000 --> 00:03:44,000

Yeah.

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00:03:44,000 --> 00:03:45,000

What do you think?

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00:03:45,000 --> 00:03:48,000

Well, on the surface of it, without undressing your snowman,

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00:03:48,000 --> 00:03:51,000

I think that the myth is completely confirmed.

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00:03:51,000 --> 00:03:55,000

A dressed snowman is melting a lot slower than a naked snowman.

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00:03:55,000 --> 00:03:57,000

It's like keeping it in a cooler.

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00:03:57,000 --> 00:03:58,000

Yeah, absolutely.

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00:04:00,000 --> 00:04:02,000

Look at that.

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00:04:02,000 --> 00:04:04,000

Barely melted at all.

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00:04:04,000 --> 00:04:07,000

You can see it melted a lot more where there wasn't a coat.

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

Wow.

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00:04:08,000 --> 00:04:09,000

All right.

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00:04:09,000 --> 00:04:13,000

Well, it's been 24 hours or champagne has been sitting in the fridge.

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00:04:13,000 --> 00:04:15,000

Well, let's pull it out and see what it tastes like.

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00:04:15,000 --> 00:04:16,000

All right.

83

00:04:22,000 --> 00:04:27,000

The guys do a blind taste test to individually rate the fizziness of each bottle.

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00:04:35,000 --> 00:04:40,000

So, we see how we did?

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00:04:40,000 --> 00:04:44,000

Maybe it's the holiday spirit, but for once they agree,

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00:04:44,000 --> 00:04:48,000

both ranking the glasses in exactly the same order.

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00:04:48,000 --> 00:04:51,000

J3, J4.

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00:04:51,000 --> 00:04:53,000

Okay, now for the real test.

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00:04:53,000 --> 00:04:55,000

Let's peel the stickers off and see what we got.

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00:04:55,000 --> 00:04:57,000

All right, let's start from least bubbliest.

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00:05:00,000 --> 00:05:02,000

Ah-ha-ha-ha-ha-ha.

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00:05:03,000 --> 00:05:06,000

Silver spoon was the least bubbliest.

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00:05:06,000 --> 00:05:08,000

Open bottle.

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00:05:08,000 --> 00:05:09,000

Yep.

95

00:05:09,000 --> 00:05:11,000

And that one would be the cork.

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00:05:11,000 --> 00:05:12,000

Whoa!

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00:05:12,000 --> 00:05:17,000

For some reason, we thought the control bottle was not as fizzy

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00:05:20,000 --> 00:05:22,000

as the recork bottle.

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00:05:22,000 --> 00:05:30,000

I think pretty handily we struck down the silver spoon as a preservative for bubbiness.

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00:05:30,000 --> 00:05:33,000

Well, that's another Christmas myth, not the chimney.

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00:05:36,000 --> 00:05:39,000

So, Adam, what's our next Christmas myth?

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00:05:39,000 --> 00:05:45,000

This next myth is based on the idea that it could be so cold outside

103

00:05:45,000 --> 00:05:49,000

that if you went outside and had a wheat, your urine would freeze before it ever hit the ground.

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00:05:49,000 --> 00:05:56,000

And we've built this little freezer where it's actually like 70 below zero.

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00:05:56,000 --> 00:05:57,000

It's right off the scale.

106

00:05:57,000 --> 00:05:58,000

Yeah.

107

00:05:58,000 --> 00:06:03,000

Well, the coldest ever recorded in the continental United States was in Montana in 1954,

108

00:06:03,000 --> 00:06:08,000

and it was 69.7 degrees below zero.

109

00:06:08,000 --> 00:06:14,000

Well, that means our freezer here is right on target, and I've got my fake peeing rig here.

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00:06:14,000 --> 00:06:17,000

All right, Jimmy, I don't think I can hold on anymore.

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00:06:17,000 --> 00:06:18,000

You ready to try?

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00:06:18,000 --> 00:06:19,000

Yeah.

113

00:06:19,000 --> 00:06:21,000

Okay, take the hemo off there.

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00:06:21,000 --> 00:06:23,000

Let's see.

115

00:06:24,000 --> 00:06:29,000

It's not freezing.

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00:06:29,000 --> 00:06:36,000

And we know from the thermometer that right about here, it's at 70 below zero.

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00:06:36,000 --> 00:06:39,000

I don't know what it would take to make your urine freeze,

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00:06:39,000 --> 00:06:41,000

but it's not going to happen in the United States.

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00:06:41,000 --> 00:06:42,000

That's for sure.

120

00:06:42,000 --> 00:06:44,000

You know, I think this is fairly straightforward.

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00:06:44,000 --> 00:06:46,000

I'd agree with you.

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00:06:48,000 --> 00:06:52,000

Jimmy, are there no end to these crazy Christmas myths?

123

00:06:52,000 --> 00:06:54,000

I mean, what could possibly be next?

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00:06:54,000 --> 00:06:57,000

Well, we have one of those freak occurrences, and that is,

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00:06:57,000 --> 00:07:03,000

what if an icicle fell off the eave of your house and this icicle falls down and pierces you on the heart?

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00:07:03,000 --> 00:07:05,000

Would it, like, stab you and kill you?

127

00:07:05,000 --> 00:07:13,000

I'm a little dubious about that, but obviously I guess the first place to start would be to be making some mighty big icicles.

128

00:07:13,000 --> 00:07:18,000

Funny you should mention that, because I happen to have some mighty big icicles ready to go right here.

129

00:07:19,000 --> 00:07:21,000

Lovely.

130

00:07:22,000 --> 00:07:27,000

The Mythbusters stairwell will be the scene of this unlikely holiday catastrophe.

131

00:07:27,000 --> 00:07:34,000

15 feet of tube will guide the killer icicle, and a nice piece of beef will play victim.

132

00:07:34,000 --> 00:07:35,000

You ready, Jimmy?

133

00:07:35,000 --> 00:07:36,000

Ready.

134

00:07:36,000 --> 00:07:37,000

On my count.

135

00:07:37,000 --> 00:07:38,000

Okay.

136

00:07:38,000 --> 00:07:43,000

Five, four, three, two, one.

137

00:07:44,000 --> 00:07:46,000

Whoa!

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00:07:49,000 --> 00:07:54,000

Dude, that is really gnarly. That was a perfect dead center landing.

139

00:07:55,000 --> 00:07:57,000

That looks kind of deadly, doesn't it?

140

00:07:57,000 --> 00:08:02,000

If you take away all the other stuff, like, it's probably not going to fall correctly, and all of that stuff,

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00:08:02,000 --> 00:08:06,000

a reasonably sized icicle, can be deadly.

142

00:08:07,000 --> 00:08:09,000

It worked first time, like a charm.

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00:08:09,000 --> 00:08:12,000

Of a turkey, and you're fire-suit at the same time.

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00:08:12,000 --> 00:08:17,000

Well, there's a popular holiday tradition in the south that involves deep-frying turkeys.

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00:08:17,000 --> 00:08:22,000

And apparently, if you drop the turkey in too fast, it'll explode.

146

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

Oh, explosions.

147

00:08:25,000 --> 00:08:28,000

Turkey master, I hand you your bird.

148

00:08:28,000 --> 00:08:32,000

According to the myth, the problems happen when the turkey is still frozen.

149

00:08:32,000 --> 00:08:36,000

So, as a comparison, they'll start with a thawed one.

150

00:08:39,000 --> 00:08:41,000

Three, two, one.

151

00:08:43,000 --> 00:08:44,000

No exploding turkey.

152

00:08:45,000 --> 00:08:48,000

Now, how about a frozen one?

153

00:08:49,000 --> 00:08:53,000

Three, two, one.

154

00:08:57,000 --> 00:08:58,000

Yeah!

155

00:08:59,000 --> 00:09:00,000

Okay, that would be bad.

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00:09:01,000 --> 00:09:04,000

Boiling oil all over your kitchen and stuff like that.

157

00:09:05,000 --> 00:09:07,000

It still wasn't an explosion, though.

158

00:09:08,000 --> 00:09:14,000

It was dangerous, to be sure, but, like I said, we had no explosions, and that was no explosion.

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00:09:17,000 --> 00:09:18,000

Merry Christmas, Adam.

160

00:09:18,000 --> 00:09:20,000

Merry Christmas, Jamie.

161

00:09:20,000 --> 00:09:22,000

Well, what's our next Christmas myth?

162

00:09:22,000 --> 00:09:28,000

The next myth is that lighting a fire in your house will actually make your house colder.

163

00:09:28,000 --> 00:09:35,000

Because while it heats up the area around the fire, it's drawing heat up the chimney and making the outlying rooms colder.

164

00:09:35,000 --> 00:09:39,000

Well, we just started a fire and we've got thermometers staged around the house.

165

00:09:40,000 --> 00:09:41,000

Hey, it went down!

166

00:09:43,000 --> 00:09:47,000

Jamie, the thermometer in the other room went down by almost three degrees.

167

00:09:47,000 --> 00:09:50,000

Cool. Well, the air's got to come from somewhere.

168

00:09:50,000 --> 00:09:53,000

Yeah, so, I mean, let's check out the kitchen.

169

00:09:55,000 --> 00:09:59,000

The kitchen's not much changed, but it's pretty actually, you know, open to the living room.

170

00:09:59,000 --> 00:10:03,000

But in the outlying areas, it actually went down by three degrees.

171

00:10:03,000 --> 00:10:07,000

Well, you know, I was actually afraid that in California it's too warm.

172

00:10:07,000 --> 00:10:09,000

I mean, outside it's only 55 degrees.

173

00:10:09,000 --> 00:10:12,000

I was afraid we wouldn't be able to actually prove it here.

174

00:10:12,000 --> 00:10:16,000

We'd have to go somewhere where it's snowing, but this myth is confirmed.

175

00:10:16,000 --> 00:10:18,000

Yeah, well, that was cool.

176

00:10:18,000 --> 00:10:22,000

Well, Adam, I've got a Christmas present for you.

177

00:10:22,000 --> 00:10:27,000

Oh, Jamie, thank you. You shouldn't have, but I actually got you something, too.

178

00:10:27,000 --> 00:10:28,000

Oh, wow.

179

00:10:28,000 --> 00:10:29,000

Thanks, well, here you go.

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00:10:29,000 --> 00:10:30,000

All right, thank you.

181

00:10:33,000 --> 00:10:35,000

Oh, wow.

182

00:10:37,000 --> 00:10:39,000

A laser bench focusing array.

183

00:10:39,000 --> 00:10:40,000

How did you know?

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00:10:40,000 --> 00:10:44,000

It's just one of those things that when I saw it, I knew you'd want it.

185

00:10:44,000 --> 00:10:46,000

That's awesome.

186

00:10:47,000 --> 00:10:49,000

Oh, mustache trimmer.

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00:10:49,000 --> 00:10:51,000

Are you trying to tell me something?

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00:10:51,000 --> 00:10:53,000

Yeah, just take it all off.

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00:10:53,000 --> 00:10:55,000

Go ahead.

190

00:10:55,000 --> 00:10:57,000

I don't think they'd let me do that.

191

00:11:00,000 --> 00:11:02,000

This is cool.

192

00:11:02,000 --> 00:11:04,000

Ooh.

193

00:11:32,000 --> 00:11:34,000

Oh, wow.