



I visited Jefferson Lab! It's a place where scientists study atoms. It's in a city called Newport News. It's in Virginia. That's a long way from Englewood. Nearly 400 miles!



This is Mr. Steve. He wants to do an experiment. He needs something called liquid nitrogen. I'm helping him get it!



The building where we have to go is right beside a construction site.



LIQUID NITROGEN

WARNING

DANGER: EXTREMELY COLD LIQUID AND GAS UNDER PRESSURE. CAN CAUSE RAPID SUFFOCATION. DOES NOT SUPPORT LIFE. DOES NOT SUPPORT COMBUSTION. MAY CAUSE SEVERE FROSTBITE.

- STORE AND USE WITH ADEQUATE VENTILATION.
- DO NOT ALLOW LIQUID OR COLD GAS TO CONTACT YOUR EYES, SKIN OR CLOTHING.
- FOR LIQUID WITHDRAWAL, WEAR FACE SHIELD AND GLOVES.
- USE IN ACCORDANCE WITH AIR LIQUIDE'S MATERIAL SAFETY DATA SHEET.

FIRST AID: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. IN CASE OF FROSTBITE, OBTAIN MEDICAL TREATMENT IMMEDIATELY.

DO NOT REMOVE THIS PRODUCT LABEL.

AIR LIQUIDE AIR LIQUIDE P.O. BOX 3047 HOUSTON, TEXAS 77253

AIR LIQUIDE

FOR PRODUCT DELIVERY - CALL

FOR SERVICE - CALL

We found the liquid nitrogen!



LN₂ is a short way of saying liquid nitrogen. It can hurt us, so we need to be careful.



Safety first!



I think I'll stand back a bit.



Here it comes!



Let's go somewhere else! I'll drive!



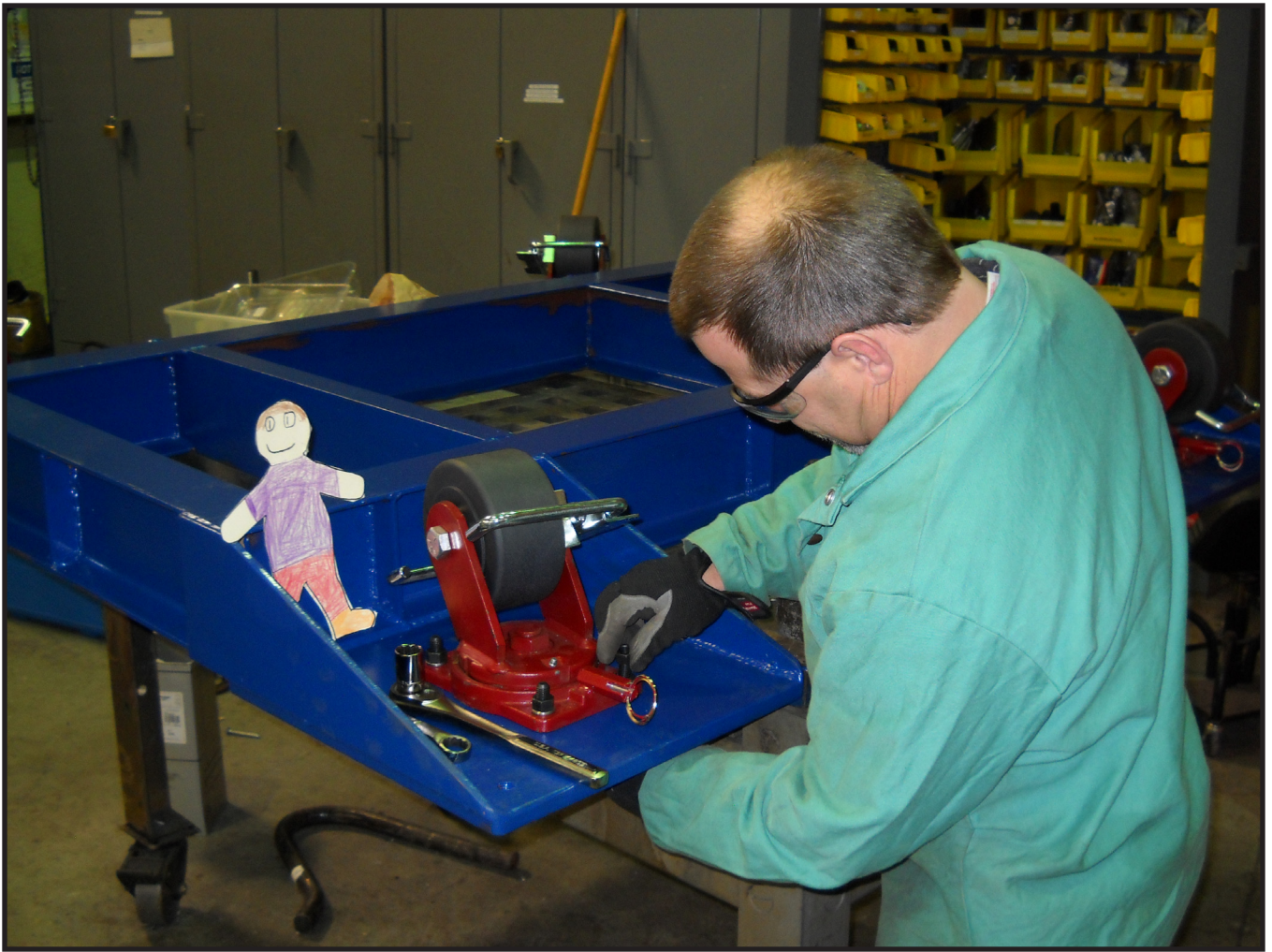
We climbed on top of one of the buildings where the scientists do their experiments. All of those buildings behind us are part of the machine that they use to study atoms.



That hill is another place where they study atoms. They have three hills like that. I wonder what they look like on the inside? Can we go in? We can if we can find Miss Michelle!



This is NOT Miss Michelle! This is Mr. Bill. He helps keep track of all of the Lab's equipment. Maybe he can tell me where she is?



Still not Miss Michelle. This is Mr. Joe.
He helps build the machines they use
here.



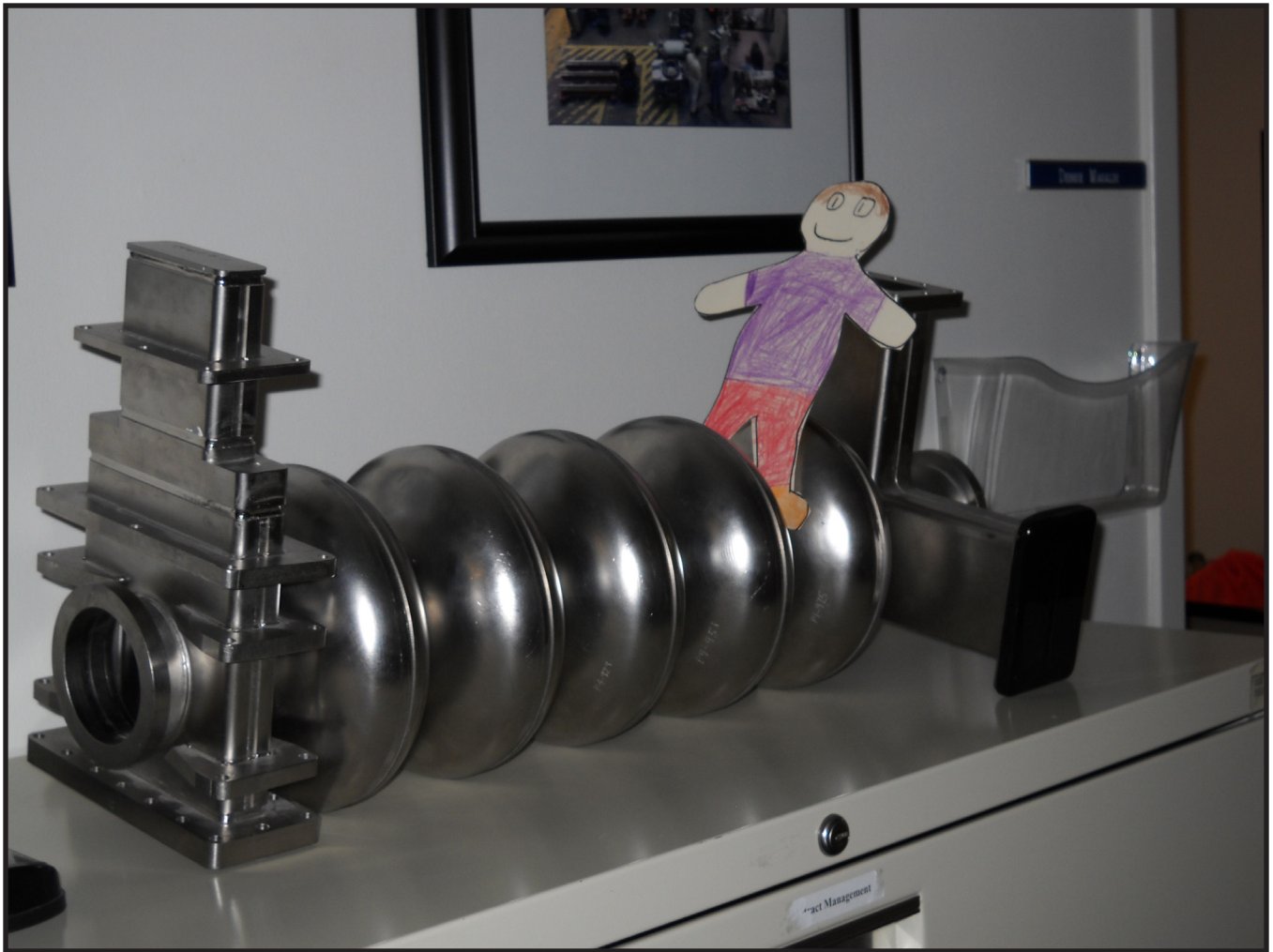
Still not right. This is Mr. Ferbie. He helps keep the stock room stocked with all of the things the scientists need for their experiments. He also likes to play volleyball!



I made a new friend! This is Flat Fred. He's mad because he's too big to go on adventures like I can!



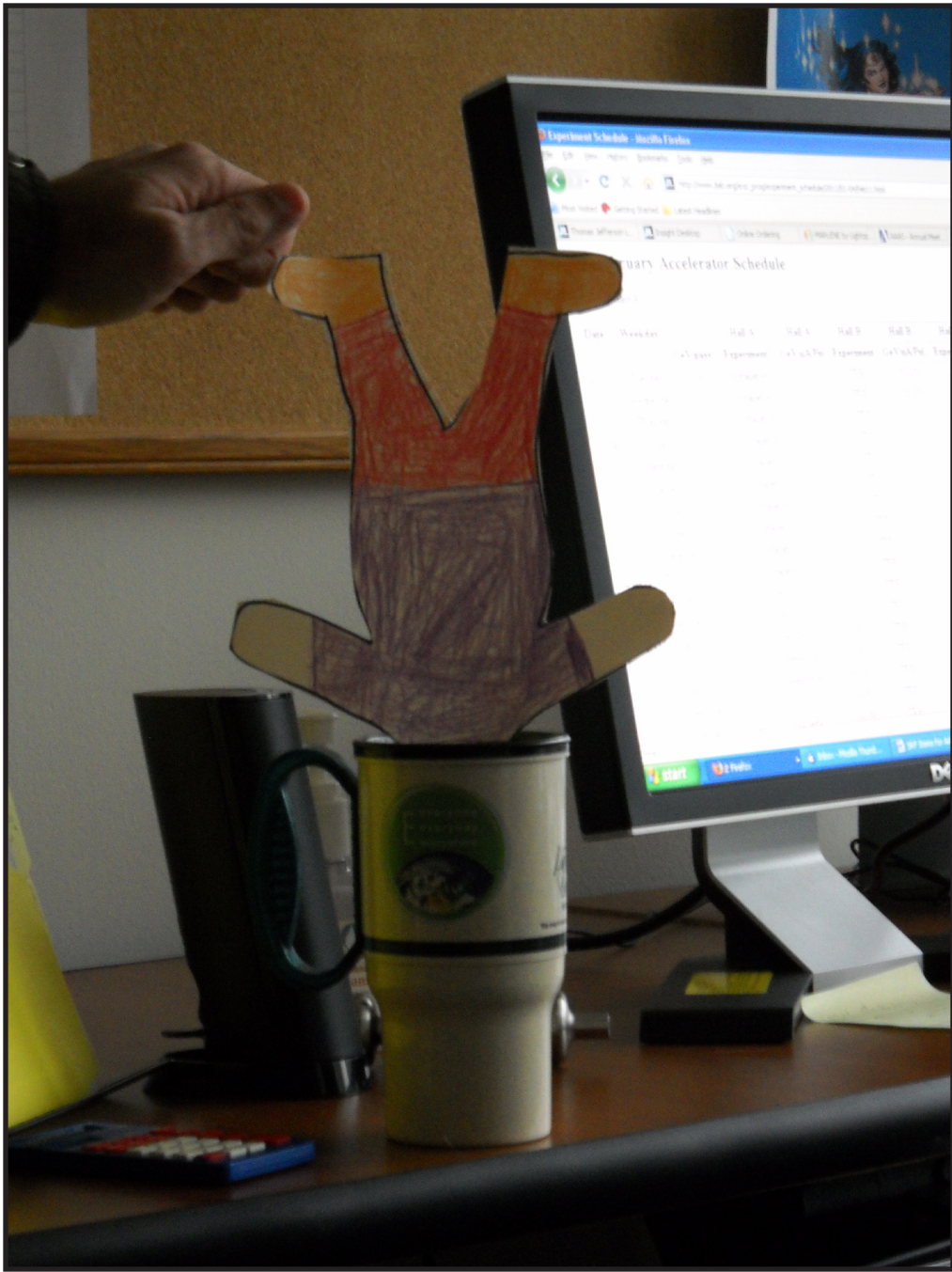
I found the Director's office! He's the person who runs the whole Lab. He's like our school's principal. He wasn't there, though. Too bad. He would have known where Miss Michelle is.



This is a thing called a cavity. It's actually part of the machine the scientists use to study atoms. I wonder what it's doing out here in the hallway?



Finally! I found Miss Michelle! She was with her boss, Mr. Dean. Mr. Dean is giving me a dollar so I can get a cup of coffee!



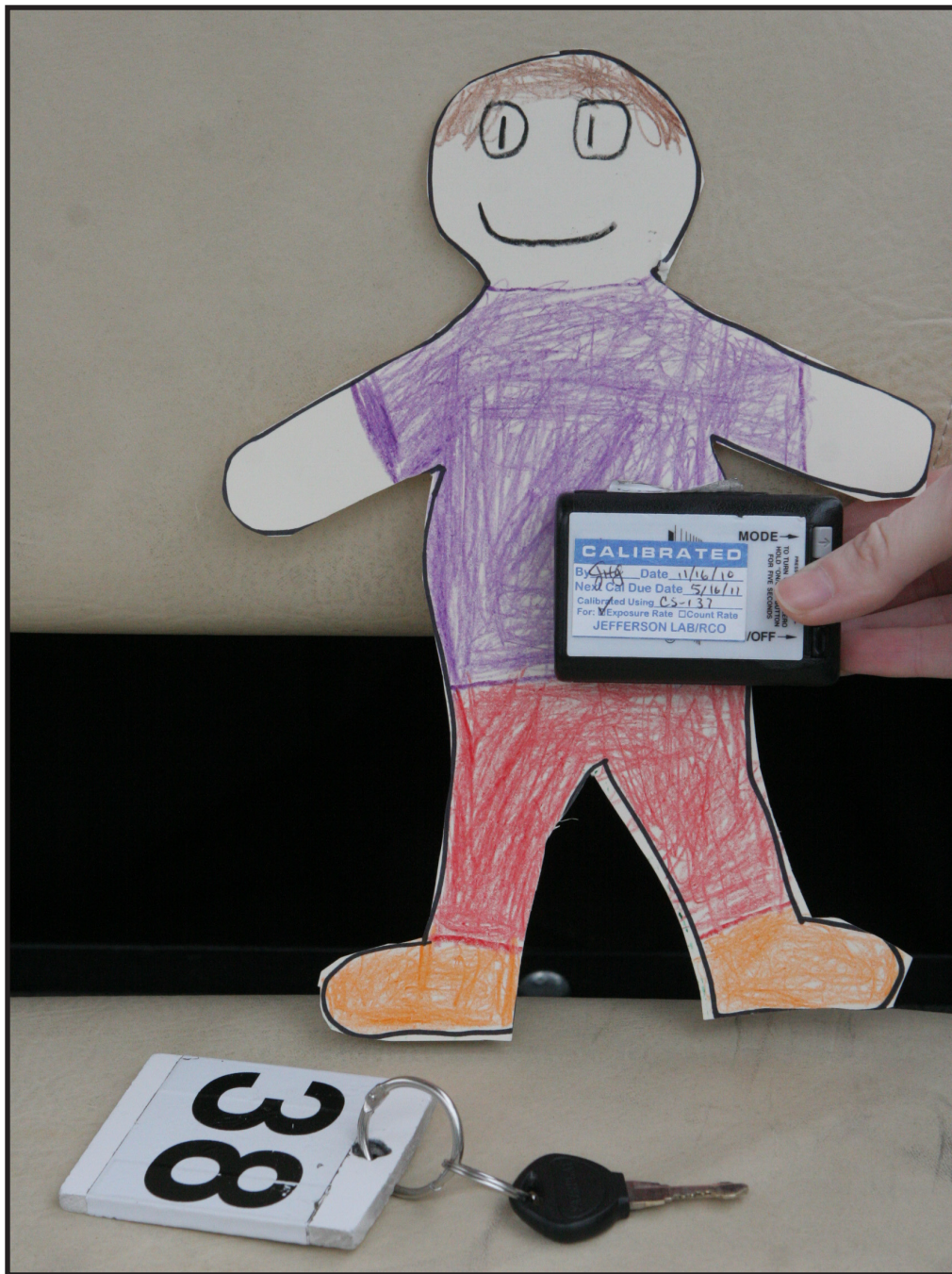
I like coffee!!!



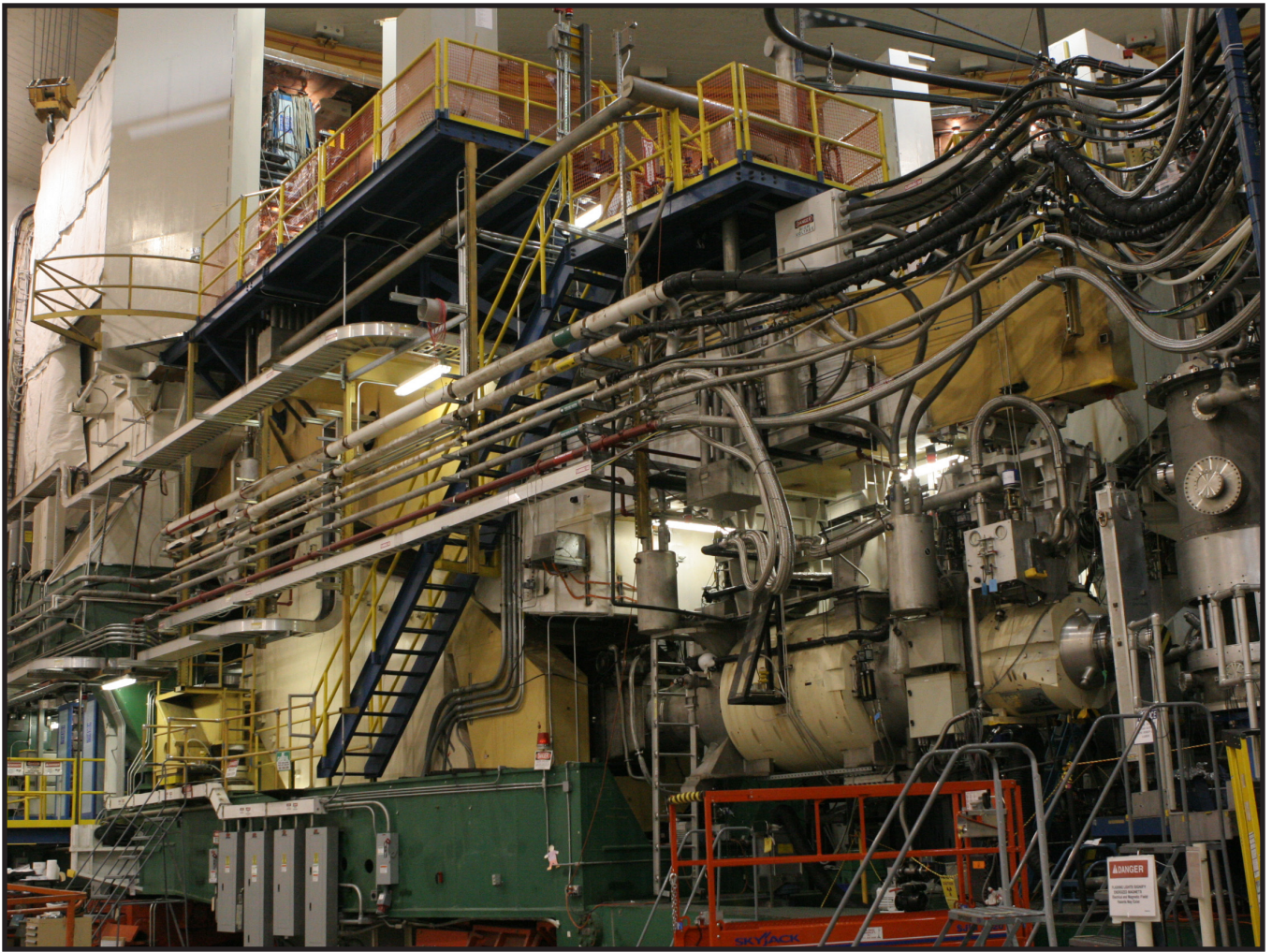
Miss Michelle says we can go into the hill building! Its real name is Hall A, but I like hill building better!



I have my safety shoes on! Let's go!



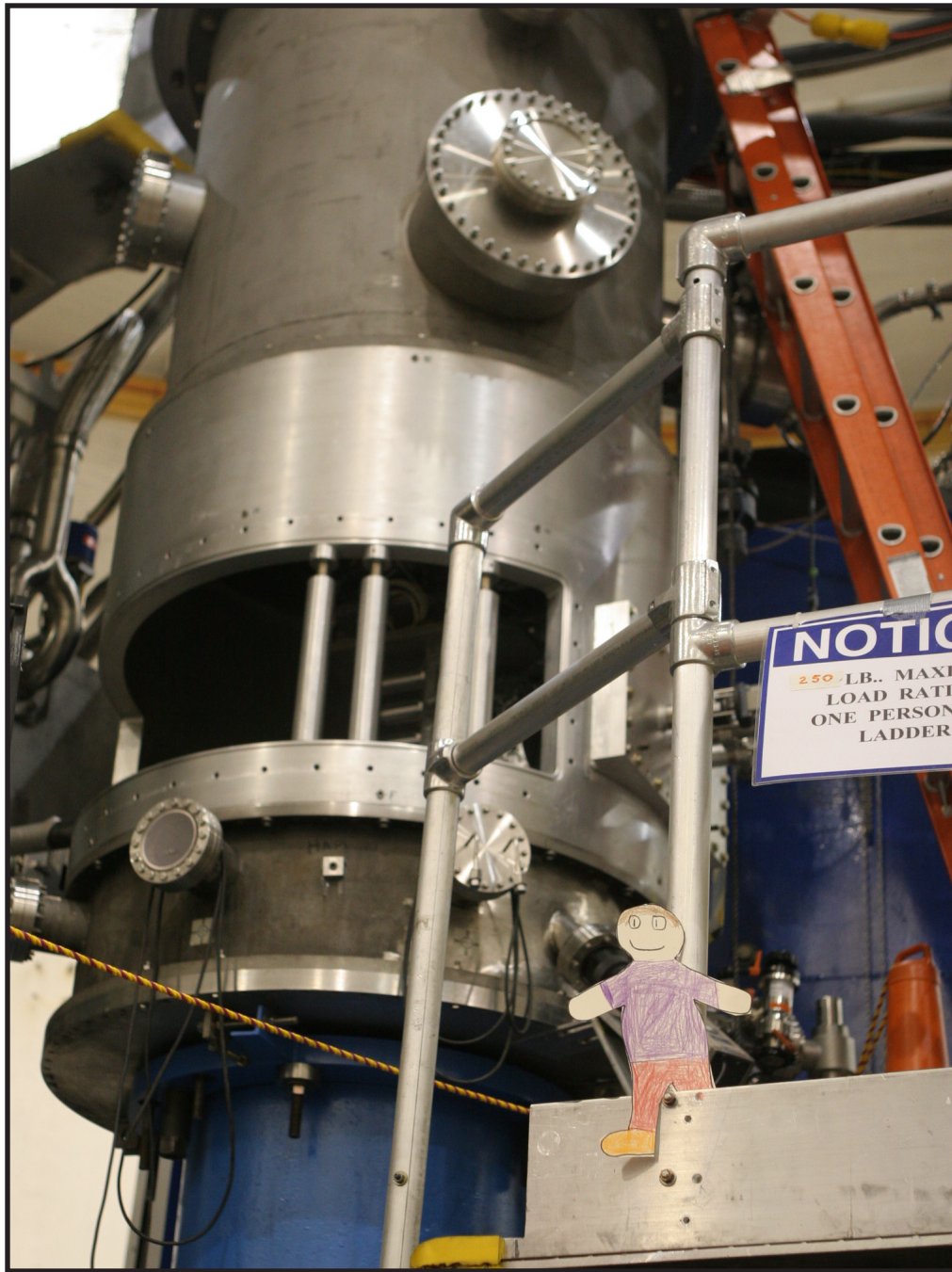
I also need a radiation badge!



WOW! THIS PLACE IS BIG! Can you find me?



Miss Michelle also showed me this small magnet. It doesn't look small to me!



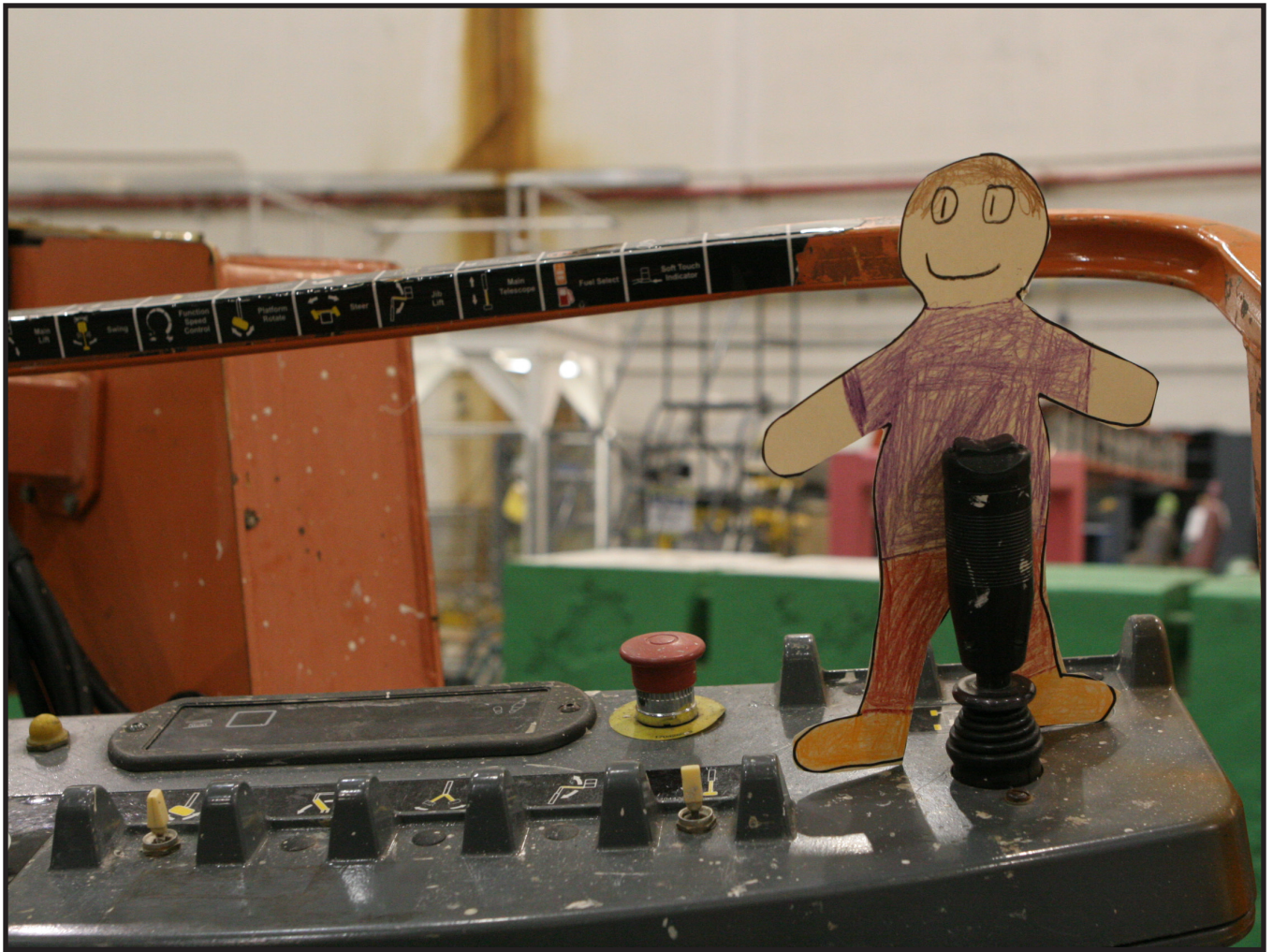
The scientists put the things they want to study inside that big can. I think I'll stay out here!



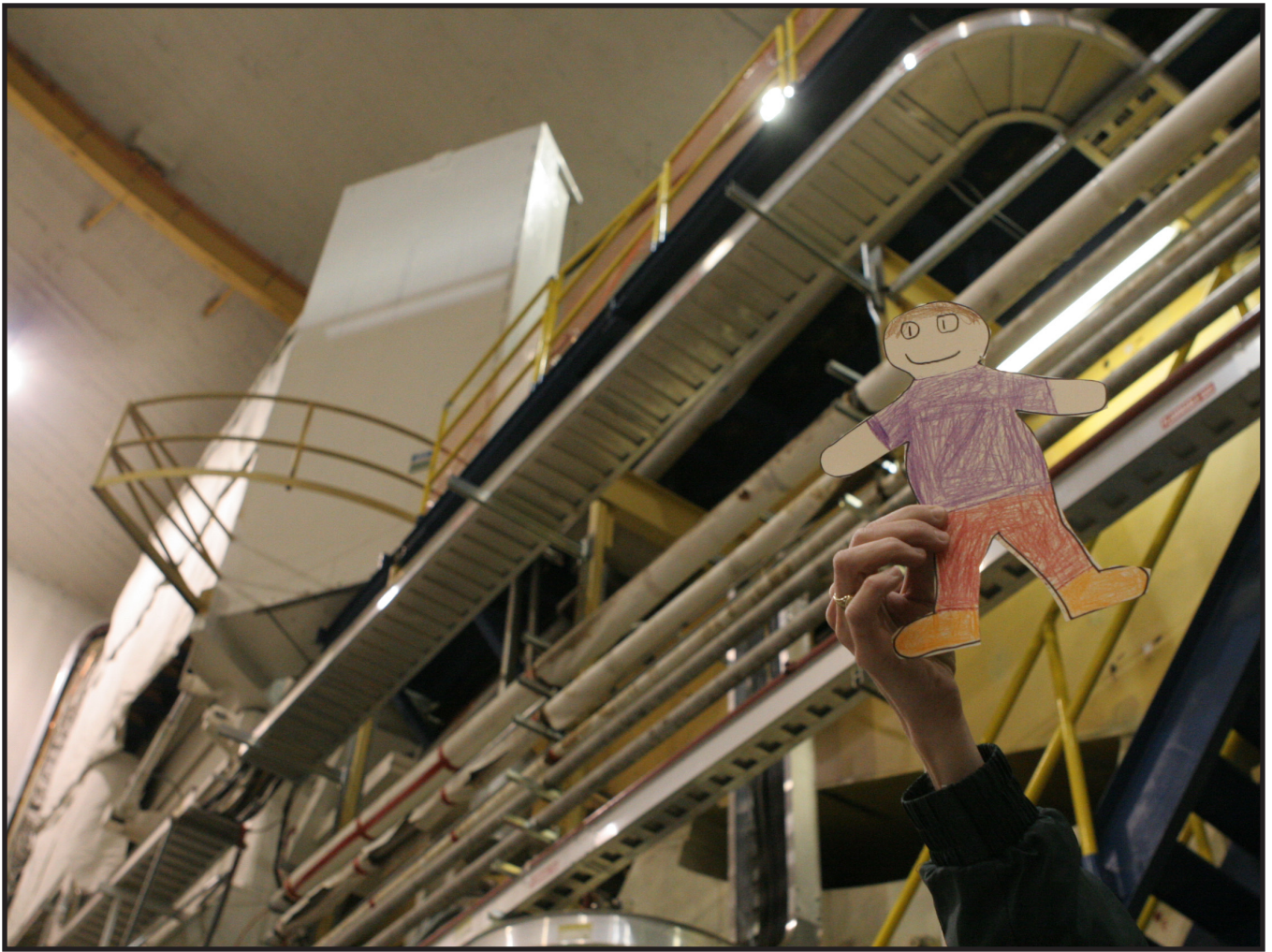
There are so many things to look out for down here! I'm so happy I can read!



They use this to reach high places!



I'll drive!



That's really high up there! It's what they use to 'see' their experiments. It's almost as tall as a 5 story building!



More safety gear!



Perfect!



We're finally getting ready to do the experiment we got the liquid nitrogen for! Mr. Steve and Miss Joanna are practicing their lines.



Miss Shannon likes to run the camera!



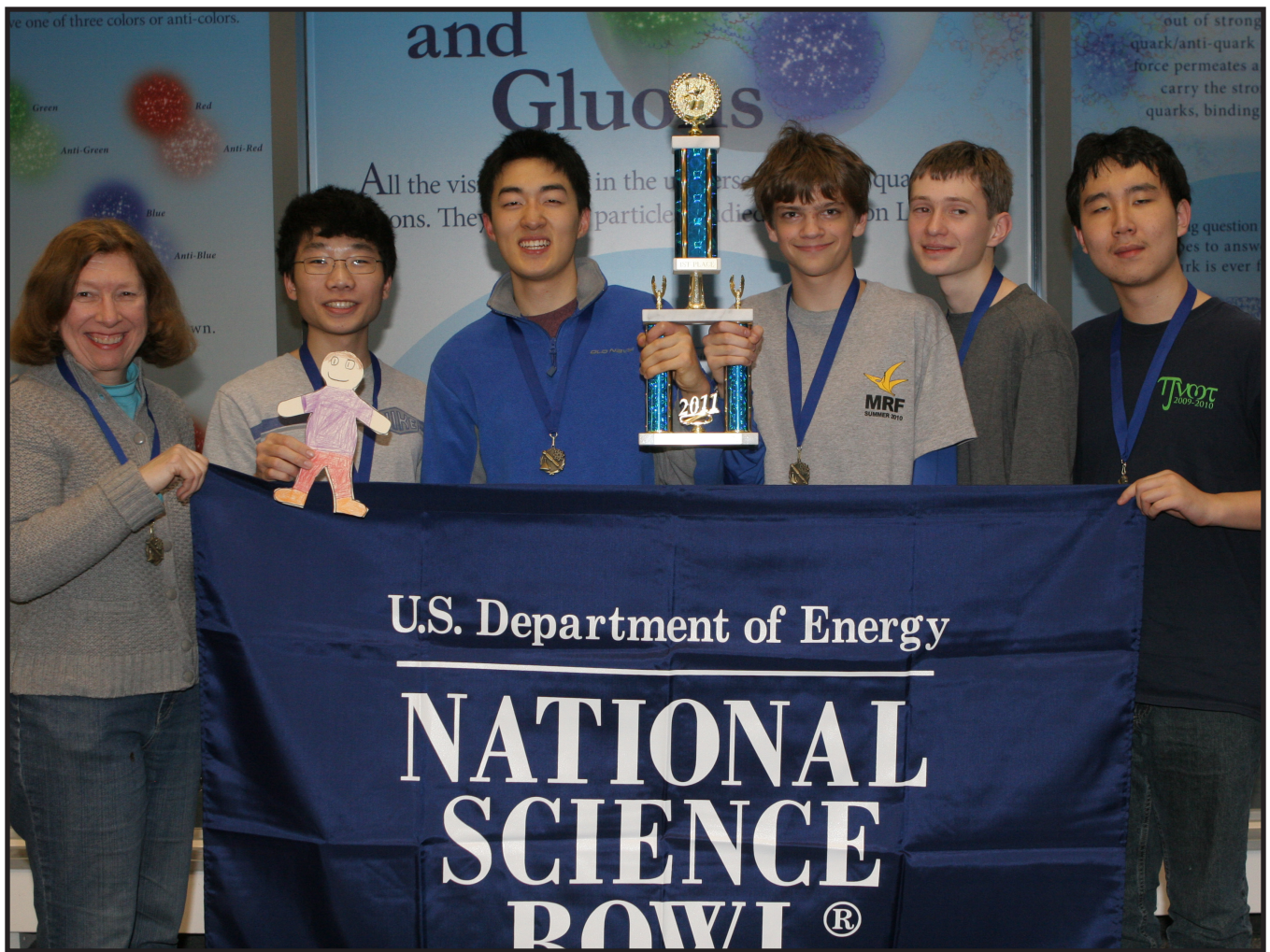
The pink ball is very squishy.



They are going to put the ball into the liquid nitrogen. Liquid nitrogen is very cold. They think that the ball will freeze and break.



They were right! Wow, what a mess!



Later that week, there was a contest at the Lab between different schools to see who knows the most about math and science. This is the team that won. They do this in New Jersey, too! Maybe I can be in it when I'm older!



I worked a lot at the Lab. Time to relax!
Miss Brita brought me to Virginia Beach.



Although it was clear, it was very cold. Maybe around 40 degrees. Maybe that's why there weren't many people at the beach.



It's good to feel the sand between my toes, but I miss Ali. I can't wait to get back to New Jersey to share my adventure!