

My demonstration items are mostly from the UBC physics and astronomy demo room. They can be borrowed for free by Physics 420 students, the website is <http://noether.physics.ubc.ca/xcart/home.php>

The rheoscopic fluid can be used in a variety of experiments to show fluid motion. I poured it into a beaker and heated it on a hot plate to show convection

The hand boiler can be ordered online from a variety of websites, I ordered it from e-bay.

### **Physics Demo Room Demonstrations:**

Further details for all these demonstrations are in my presentation pdf.

The *dipping bird* instructions are on the box, or can be searched quickly on google.

The lead pipe instructions are on the physics demo website, where I got it from.

The differential thermometer instructions are on the physics demo website. You can use two light sources on it, or just use one light source, shining first on silver then black, to show comparative effects and the importance of an object's emissivity.