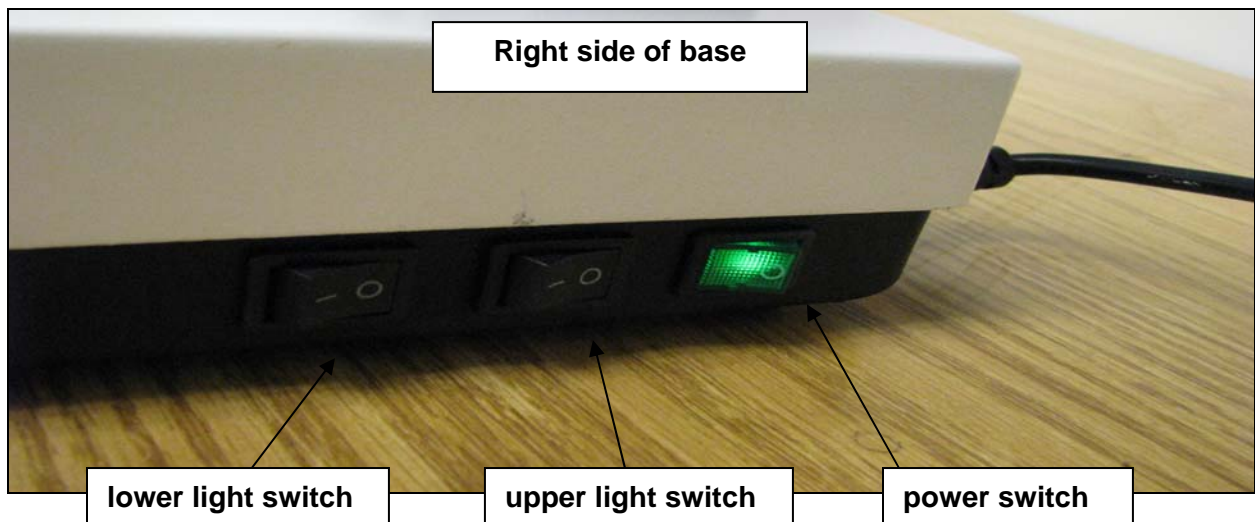
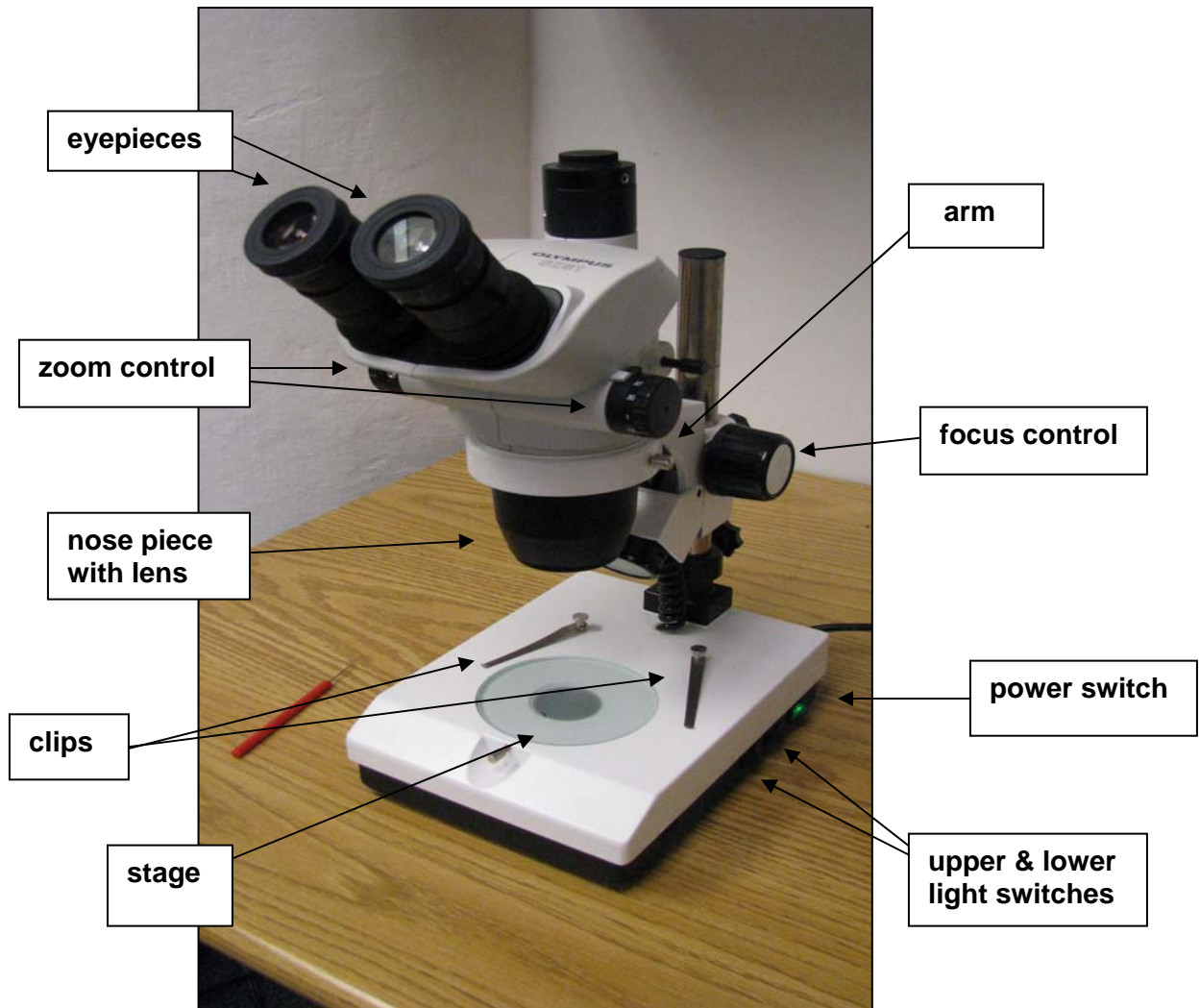


# Using the Stereo Zoom Microscope

Multnomah County



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## Multnomah County

**To adjust the microscope** (See photo of Stereo Zoom Microscope on previous page)

- Adjust the eye pieces to suit the distance between your eyes, closer together or farther apart.
- If you need to clean the lens pieces, moisten a piece of dry lens paper, then clean the glass surfaces with a circular motion.  
Repeat with dry lens paper until the lens is clean and dry.

**To use the lights** (see close-up photo on previous page)

- Turn the power on by pressing the green rocker switch at the lower right front base of the microscope.
- Turn on the upper light by pushing the middle rocker switch. (of most use for MGs.)
- If needed turn on the lower light by pushing the rocker switch that is closest to you (this is mainly used for slides or thin translucent objects.)
- Both upper and lower light can be used together (again used mainly for slides or thin translucent objects)

**To view a specimen**

- Place arthropods in a covered Petri dish (in cupboard above microscope table.)
- Place the sample on the stage (flat area below the lens.)
- Plant specimens may be placed directly onto the stage.
- **Caution: Never place liquids or fine particles directly on stage plate.**
- Secure the sample with the two clips on the stage.
  - Not for Petri dishes, only for flat subjects, e.g. a leaf.
- Focus on the specimen:
  - Turn either of the black focus control knobs (near the rear) to the highest position.
  - Rotate the focus control knobs to lower the microscope lens towards the sample.
  - If the image observed becomes blurrier, rotate the knobs in the opposite direction.
  - Continue to adjust the focus until the clearest possible image is formed.
  - The specimen should remain focused at all magnification settings with only slight adjustments.
    - If needed, adjust the sample's position so that it is again within view when you look through the eyepieces.
- Zoom magnification
  - Change the magnification by rotating either of the black zoom control knobs (black knobs directly above nose piece.)
  - Adjust the zoom magnification so the specimen is in view when you look through the eyepieces.

**After using the microscope**

- If needed, clean the stage with a clean damp cloth or towel.
- Lower the body of the microscope all the way.
- If needed, clean the exterior of the microscope with a soft damp cloth.
- **Make sure the green power rocker switch is off.**
- Cover microscope with plastic cover protector.