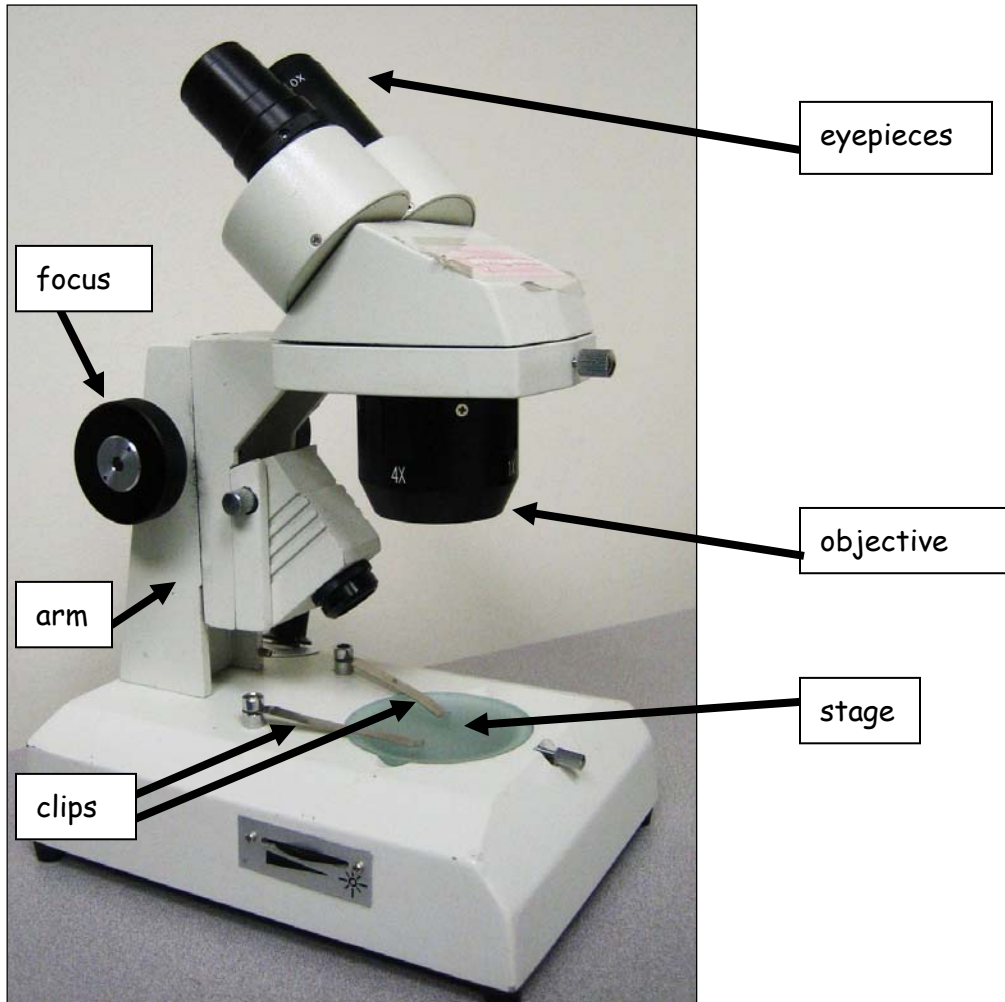


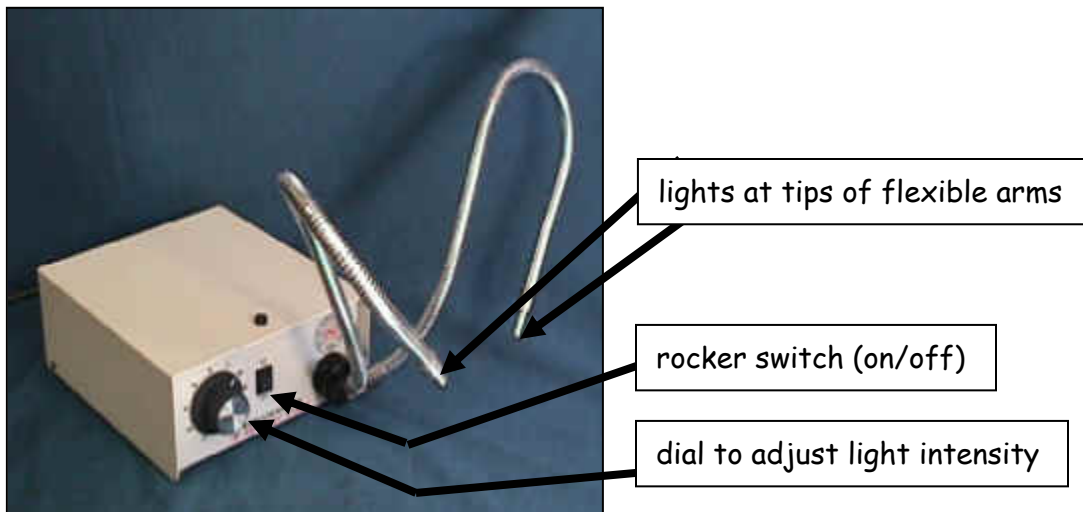
# Using the Binocular Dissecting Microscope

## Washington County

### Binocular dissecting microscope



### Control Box for Laser Light



# Using the Binocular Dissecting Microscope

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### **To adjust the microscope** (See photo of Binocular Dissecting Scope)

- 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 lint-free tissue or lens paper, then clean the glass surfaces with a circular motion.  
Repeat with dry lens paper until the lens is clean and dry.

### **To adjust the laser lights** (See photo of Control Box for Laser Light)

- Turn on by pressing the rocker switch at the front of the control box for laser light.
- Adjust light intensity with the dial. (Number 5 is often sufficient.)
- Adjust the two flexible arms to direct light onto the specimen.

### **To view a specimen**

- Place arthropods in a covered petri dish. (In bottom drawer below computer monitor.)
- Place the sample on the stage (the flat area below the objective.)
- Plant specimens may be placed directly onto the stage.  
Secure the sample with the two clips on the stage.
- Begin with the objective at 1X (10x magnification).
- Focus on the specimen:  
Turn the large black knob (near the rear) to focus.
- If greater magnification is needed, carefully rotate objective to 4x (40x magnification).
- If needed, adjust the sample's position so that it is again within view when you look through the eyepieces.
- If needed, re-focus, using the large black knob near the rear.

### **After using the microscope**

- Reset the objective to 1X magnification.
- 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.

### **To safely carry the microscope from one place to another**

- Use two hands  
One hand grips the support arm of the scope.  
The other hand is under the base to support the scope.
- Caution: Take care that the round piece in the stage doesn't fall out.