

REMEMBER TO CLEAN SCOPE AFTER EACH SESSION

Excessive oil, improper usage of the condenser top lens lever, improper cleaning habits or all of the above has led to very messy issues with the lenses and prisms on these scopes.

When using oil always be careful not to get it on any part of the scope that it does not belong (ONLY the 100x objective oil lens and ONLY the oil condenser top lens).

PLEASE FOLLOW these simple instructions.

- 1) **DO NOT flip the condenser top lens down when the condenser is fully loaded with oil.** This is the lever that enables us to switch between the two condensers. Avoid using this lever unless you are switching between condensers or you are cleaning the condenser.

IF YOU WANT TO REMOVE your slide, DO NOT FLIP DOWN THE CONDENSER. Rather,

- a) lower the stage, carefully swing the objective lenses out of the way by using the ridged turrets that hold them (i.e. do not grab the objectives as they will loosen over time)
- b) Lower the condenser top lens (the big silver knob on the left)
- c) Remove your slide being careful not to smear oil over the stage
- d) Using lens paper and dilute alcohol, clean off the lens AND the condenser top thoroughly – EACH TIME you finish your session. The condenser is screwed into place and if oil gets inside this unit to the more delicate internal lenses, it is usually garbage.

- 2) DO NOT USE so much oil that it starts to drip over the sides of the condenser.

You need only a few drops.

- 3) CLEAN THE OIL off both objective and condenser lenses when you are done for the day.

- 4) LINK to INSTRUCTIONS – including cleaning the scope and oil

<http://post.queensu.ca/~pearl/PEARL2/Basic%20microscopy%20for%20PEARL.pdf>

It would be helpful if you could please check whether the scope you are currently working has oil where it should not be – if so, please let Kat Rühland know.