TEM NEGATIVE DEVELOPMENT

1) Sign Logbook. New chemicals are needed if more than 160 negatives have been processed since fresh chemicals were prepared

2) Turn on sodium vapor light (allow 10 min warm up before opening film box)

3) Turn on water jacket inlet valve (Do not adjust temperature setting!)

4) Open nitrogen cylinder tank valve (Top of the tank *not* the regulator valve)

5) Load film into Lucite film rack

6) Set (black) timer to 4 min

7) Place film rack into developer, press white timer button, switch gas burst switch to Timed

8) Reset timer with black button, switch gas burst Off

9) Transfer film rack to wash tank ➔ Drain developer back into tank ➔ turn on wash water, wash for 2 min

10) Set timer to 5 min, place hanging rack into fixer, start timer, and switch gas burst to Timed

11) Check that no milkiness remains on negatives (extend fixer time if needed)

12) Drain fixer back into tank and transfer to wash tank for 2 min (Lights on)

13) Transfer to hypoclear for 2 min with gentle agitation.

14) Drain hypoclear back into tank, and wash for 10 min

15) Dip rack into photophlo for 30 sec

16) Allow negatives to dry, 2-3 hours
   - Alternately, allow negatives to dry on neg. Dryer for 1 hour.


WIPE DOWN DEVELOPING UNIT WITH WET SPONGE AND DRY!