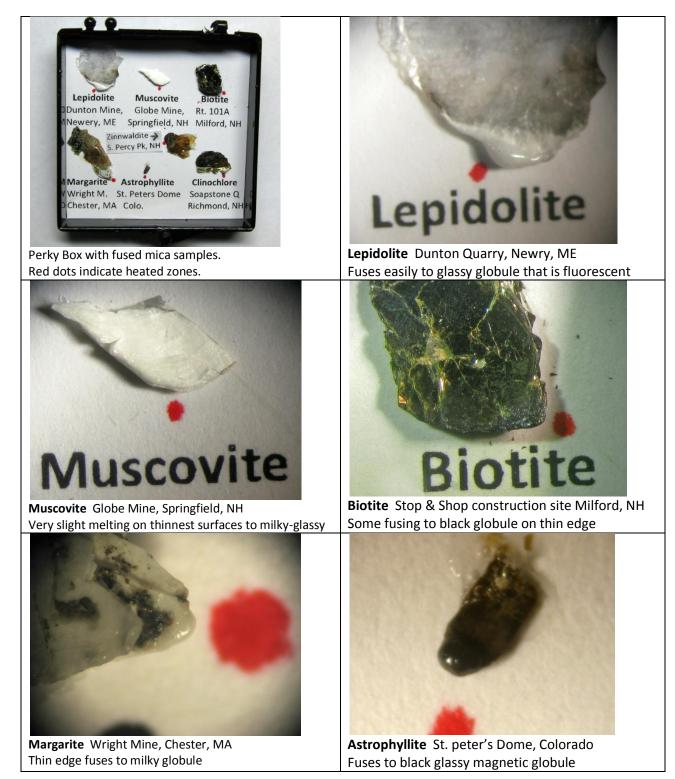
Fusibility Testing of Some Mica Minerals - Tom Mortimer

Peter Cristofono raised a question on the fusibility of zinnwaldite. I knew that lepidolite was easily fusible and that muscovite was not (hence its use in stove windows and electrical insulators). Since I have many mica species in my collection, I decided to investigate. The results of my testing seven mica minerals is shown below. I used a propane torch for these tests and heated each sample to glowing red hot. I mounted the heat tested grains in a perky box. I will bring test result set to the March meeting for those desiring a first-hand look.







Clinochlore Soapstone Quarry, Richmond, NH Fuses to black globule with difficulty on thinnest edge

Zinnwaldite S. Percy Peak, Strafford, NH Fuses to rough, black magnetic, globule

