

Workshop W-3

INTRODUCTION TO SCANNING ELECTRON MICROSCOPY

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Meet in Timerman Hall Room 122 at 8 am

This workshop introduces the principles of the scanning electron microscope, sample preparation and viewing techniques. Participants are requested (if they wish) to bring a sample (air dried) they will prepare for viewing with the SEM. They will be shown the various techniques used to mount samples on viewing stubs and how to gold coat them in a sputter coater. The routine techniques of using the SEM and photographing images will be demonstrated. Each participant will then have ample time using the instrument to scan and record sample images.

In addition to the participant's individual sample, additional geological specimens will be viewed (e.g., diatoms, radiolaria, fossil insects, petrified wood, and various rocks and minerals). The workshop provides an opportunity to view "The World of the Micron" not usually seen using other techniques.