



### Applied Research Center Student Newsletter



#### New Students Start Their Summer Projects in the ARC



Robert Schmidt is now in between two big stages of his studies: College and Grad School. He uses his summer time to perform research in environmental chemistry studying the process of adsorption of predetermined organics onto minerals then measuring their adsorption characteristics. One of the instruments he is using for his work is the FTIR.

Ryan Mendenhall, a Tabb High School rising senior, is working on the improvement of the Four-Point Probe equipment for measuring the resistivity of thin uniform conductive and semiconductive samples of arbitrary shape.



#### Lab Visitors

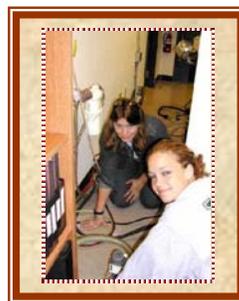


On Friday, May 20, representatives of local industry visited our Lab. From right to left: Amy Wilkerson talks to Charles W. Kane, President of BUSCH Company (Vacuum Pumps and Systems), Tim Early, Regional Director of Virginia's Center for Innovative Technology, and Henry Hesser from BUSCH about the capabilities of our Lab equipment.



Same day – another visit! This time we met with education and science representatives. Pictured from left to right are NSU Engineering Professor Sean L. Jones, NASA LaRC STC Staff Scientist Yeonjoon Park, and NSU optical engineering grad student Quoc Huynh.

#### Taking Care of the Equipment ToF-SIMS Maintenance



Natalie Percy and DeeDee Hopkins are working on the maintenance of their favorite piece of the equipment – ToF-SIMS.

#### Big Toys for Grown up Girls & Boys



Guess what piece of equipment is pictured here. It was the subject of thorough interest and a perfect “playground” for the grown up “boys and girls” in our Lab.



Cal and Ben from IMAQUE Imaging, Amy Wilkerson and Harry Eller all worked on the maintenance of the SEM, but still had a lot of fun – this is a huge toy.

