



Busy Summer 2005

LAB VISITORS

Work in progress



Chris Hendricks, a rising junior at W&M, is working on his summer project. He is operating a plasma chamber for preparation of the samples for field emission studies.

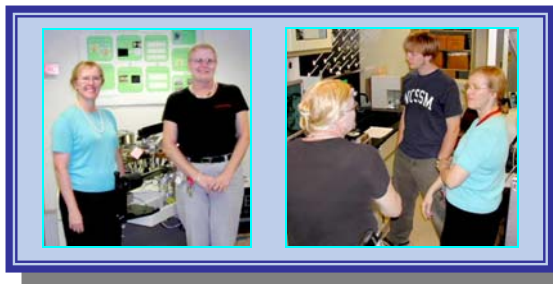
Thomas Ruscher (right) is doing a great job diagnosing problems with the MMR 4-point probe and fixing them. Kevin Sapp (left) helps him and is learning how to solder contacts from him.



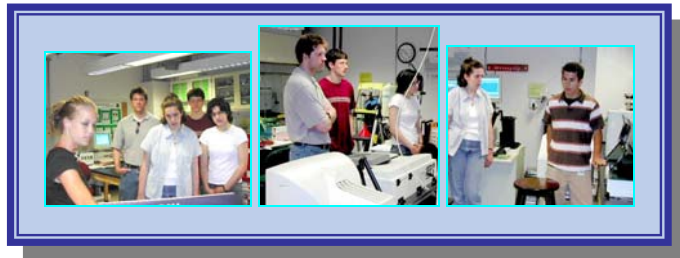
Evan Donoghue is a rising senior physics major at the University of Notre Dame. This summer he is working with Dr. Kelly through the REU program at W&M and is attempting to develop a method to nondestructively measure the thickness of thin films of Niobium on copper.



Kevin Smith, a Physics Grad student of Anne Reilly's, is working in the thin film research field. Currently he is concentrating on nanolithography of magnetic thin films.



Kathryn V. Logan, Ph.D., P.E. VT Langley Professor (left picture, left and right picture, right) visited the ARC July 7th to see the new lab she will be setting up her experiments in. Amy Wilkerson took her on a tour around the ARC Lab's and demonstrated some of the equipment to her.



On Monday, July 11th, W&M REU Sponsor, Jack Kossler brought some of the summer REU students to the ARC for a lab tour. DeeDee Hopkins (left picture, left) and Chris Hendricks (right picture, right) did a good job explaining how the lab equipment works and how it is used in the lab.

YOUNG GENERATION IS ON THE WAY



The earlier you become interested in science, the better results you can achieve. It has already become a tradition that NSU Professor Jim Jacobs brings his grandchildren to visit our Lab and meet Amy – his former student and good friend. This time his daughter and his three grandsons, visiting from Washington State,

enjoyed their tour of the ARC Labs on July 8th.



Natalie (left picture) is practicing the nanoindentor mode of the SPM on a gold standard.

Amy and DeeDee (right picture) are discussing the details of DeeDee's project and the results obtained by the ToF-SIMS.