Congratulations Dr. Bagge-Hansen!

Michael Bagge-Hansen gave his Dissertation Defense Oral Presentation for his Ph.D. in Applied Science on April 15th. He was later awarded the *Arts & Sciences Distinguished Dissertation Award in the Natural and Computational Sciences*. This award was established by the Arts & Sciences Graduate Studies Advisory Board to recognize exemplary achievement in graduate student research. To be nominated for the award, the doctoral students' dissertations must be based on original research and contribute significantly to the discipline. Dr. Bagge-Hansen’s nomination was submitted by his advisor, Dr. Ron Outlaw, and was judged by a panel of scholars. The Distinguished Dissertation Award includes a monetary award of $500.

Dr. Bagge-Hansen will be leaving William Mary to begin his professional career at Lawrence Livermore Laboratory in California. As a side note, Michael started working at the William & Mary ARC as a laboratory assistant when he was still a senior in high school. He then returned to the ARC during his undergraduate studies as a laboratory technician. Even as a graduate student, Michael continued to utilize our characterization equipment to complete his Ph.D.
Can You Identify This Equipment?

Olga Trofimova received this picture of what may be the first electron microscope in North America. The picture was e-mailed by Erin Secord who currently works as a Conservator for the Canada Science and Technology Museum Corporation and was tasked with dismantling, cleaning, and rebuilding the microscope on the museum floor. The microscope was constructed in 1938 by University of Toronto Graduate Students James Hillier and Albert Prebus.

Erin’s last visit to the lab was in 2008 when she worked as a Conservator for Mariner’s Museum.

Lab Tour

Ten 5th grade students from Palmer Elementary School in Newport News made a quick visit to the lab during their tour of Jefferson Lab. They are pictured here viewing samples with our new Phenom scanning electron microscope. The students are all participants in the Becoming Enthusiastic About Math and Science (BEAMS) program sponsored by Jefferson Lab.

Student Update

Charles Forman, a sophomore Materials Science and Engineering student at Virginia Tech, was invited to present his research at the annual American Association for the Advancement of Science Meeting in Washington D.C. He performed research at Jefferson Lab under the mentorship of Dr. Michael Kelley and was often seen in our lab last summer analyzing samples. His project was on the microscopy of a high-performance superconducting radio-frequency (SRF) niobium cavity. Forman’s research paper on SRF cavity topography was selected for publication in the DOE Journal of Undergraduate Research.

Charles graduated from Warwick High in 2009 and was the recipient of 2009 Engineers’ Club of the Virginia Peninsula’s Outstanding Science Student Award. He also participated in the Jefferson Lab High School Summer Honors Program.