

Project Title: Boron Containing Polymers for use as Materials for Radiation Capture

Investigator: Booth, Chad

Department: Chemistry & Biochemistry

Project summary: This project is still underway. There appears to be much interest from the US Navy. Additionally, new discoveries have opened up the potential use of this material for drug delivery. We have recently discovered that the polymer is “reversible”. When placed into slightly basic water, the polymer breaks down to the monomer. Upon removal of the water, the polymer reforms and retains all of its original properties. Currently there is one graduate student working on the project. He will complete his M.S. degree in August of 2007. Beyond that, I plan to continue the project with a new graduate student and/or undergraduate students. Finally, I am continuing to seek increased and continued funding for this, and related, projects.