

HONORS IN CHEMISTRY

Requirements for Honors in Chemistry include a program of research with readings from the original literature, presentation of an Honors Essay, typically about 60 pages in length, and the satisfactory completion of a comprehensive oral examination in the subject area of the research. Sixteen Seniors were awarded Honors in Chemistry.

- **Kutay Alper:**
" Projection of a Three-dimensional Enzymatic Structure onto a Plane using Kohonen Self-organizing Neural Networks"
- **Cathy Ambler:**
" A Study in the Degradation of Nylon-11"
- **Krish Bahkshi:**
" Synthesis, Thermal Expansion Coefficient, and Thermal Pressure Coefficient of Ethers and Etherimides"
- **Jennifer Boxwell:**
" Method Development for the Extraction of Lipids from Sediment and Particulate Matter using Microwave Assisted Solvent Extraction"
- **Jeff Duling:**
" Magnetic Properties of the Mixed Magnet $Mn_{1-x}Ni_xCl_2 \cdot 4 H_2O$ "
- **Whitney Erwin:**
" Alkenyl(phenyl)iodonium triflates and Organozinc Reagents in Carbon-carbon Bond Formation"
- **Michael Fox:**
" Determination of Cell Death Mechanism and Separation of Polymorphic Markers with Capillary Electrophoresis"
- **John McArter:**
" Solvent Effects on Amides: A Calorimetric Study on N-Methyl Propionamide and an Attempted Study of A Highly Twisted Amide"
- **Anne McNeil:**
" Synthesis and Decomposition of Alkenyl(aryl)iodonium Triflates"
- **Judy Moy:**
" Improved Conditions for Lead Determinations in Blood using Graphite Furnace Atomic Absorption Spectroscopy"
- **Katherine Ross:**
" Chain Transfer to Monomer during Vinyl Acetate Polymerization"
- **Sarah Stokes:**
" Comparison of ^{113}Cd and ^{199}Hg as NMR Probes of Metallobioproprotein Structure"
- **Jennifer Todd:**
" Synthesis and Characterization of Copper(I) Oligomers with Unsaturated Bridging Ligands"
- **Andrea Warren:**
" Fabrication of Silvered Polyimide Films via a Single Stage Synthesis using (1,1,1-Trifluoro-2,4-pentanedionato)silver(I) and the ODP/4,4'-ODA Polyimide"

- **Mara Jacobs:**
" The Impact of Humic Acids on the Toxicity of Malathion and on BchE Inhibition by Its O-Analog, Malaoxon"
- **Jenni Weisman:**
" Reduced Atomic Oxygen Evasion of Polymers due to Metal-based Additives"

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