

1997 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. Nineteen Seniors were awarded Honors in Chemistry.

- **Sharon Azoury:** "Protection of Quinizarin at the Phenolic Oxygen"
- **Raja Bakhshi:** "Synthesis, Densities and Dipole Moments of Model Ethermides, Effect of Li_2CO_3 and Cs_2CO_3 on Cyclic Poly(arylene) ethers"
- **Jeffrey Bergman:** "Magnetic Properties of $\text{Mn}_{(1-x)}\text{Ni}_x\text{Cl}_2 \cdot 4\text{H}_2\text{O}$ and $\text{Co}_{(1-x)}\text{Mn}_x\text{Cl}_2 \cdot \text{H}_2\text{O}$ "
- **Kerry Buschman:** "Synthesis of 3,3-[[(α) -Hydroxy-Tetramethylene] Diazarine"
- **Rebecca Casaubon:** "Investigation of Mechanism-Based Inhibition of Peptidylglycine- α -Amidating Monooxygenase"
- **Kathleen Crahan:** "Analysis of Mercury Coordination Environments of Tripodal Tetradentate Ligands"
- **Stephen Diehl:** "Synthesis and Characterization of Soluble Transition Metal Chelates of 1,4-Dihydroxyanthraquinone"
- **Own Duckworth:** "Environmental History of the Upper Lake Matoaka Delta Drainage Basin"
- **James Garrett:** "Degradation in an Offshore Marine Environment: A Study of Nylon-11 and PPS"
- **Robin Gittleson:** "Characterization and Degradation of
- **Nicole Haralampus:** "Dynamic Monte Carlo Simulation of the Effect of Pore Size on the Glass Transition Temperature and the State of the Glass"
- **Elise Hattersley:** "Synthesis of 3-Cycloheptatrienyl-1,5-Hexatriene"
- **Robert Ivy, Jr.:** "The Wittig Reaction with 6-O-Deoxy-6-Formyl- β -Cyclodextrin and a Dicyanoanthracene-Stabilized Ylide"
- **Kristin Joslyn:** "Synthesis and Characterization of Mercury-Quinolyl Based Ligand Complexes"
- **Heather King:** "The Magnetic Properties and Magnetic Phase Diagram of $\text{Co}_{1-x}\text{Ni}_x\text{Cl}_2 \cdot 6\text{H}_2\text{O}$ and Temperature-Dependence of Thermoremanent Magnetization of $\text{Mn}_{(1-x)}\text{Co}_x\text{Cl}_2 \cdot \text{H}_2\text{O}$ "
- **Daniel Kopp:** "Solvent Effects on the Conformational Equilibrium in Small Amides"
- **Stephanie Roder:** "Optimization of Tertiary Amide Reduction Conditions"
- **Joshua Sutton:** "Synthesis and Characterization of $[\text{Mn}(\text{CO})_5(\text{n}^2\text{-olefin})][\text{ClO}_4]$ Complexes and Aspects of the Synthesis of $[\text{Mn}(\text{CO})_4(\text{n}^2\text{-diene})][\text{ClO}_4]$ Complexes"
- **David Thomas:** "Synthesis of Alkenyl(aryl) Iodonium Triflates and

Nylon-11, PVDF and PPS"

the Decomposition of 2-Menthyl-1-Propenyl (4-Trifluoromethylphenyl) Iodonium Triflate"

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