

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. Thirteen Seniors were awarded Honors in Chemistry.

- **Jared Christophel (DeFotis):**
" The Magnetic Properties of $Mn_{1-x}Ni_x \cdot 2 H_2O$ and the Preparation of $Fe[(C_2D_5)_2S_2CN]_3$ and $FeCl[(C_2D_5)_2S_2CN]_2$ "
- **Brian Farrell (Starnes) :**
" An Attempted Synthesis of Spiro-1'-methylpiperidine-4,'5-barbituric Acid"
- **Amy Gilchriest (Kranbuehl) :**
" Computer Simulation of the Effects of Confinement and Chain Length on Polymer Properties during Glass Formation"
- **Leslie Hoipkemeier (Kranbuehl) :**
" Use of Frequency Dependent Electromagnetic Sensing Techniques to Monitor Gelation Properties of Methacrylate-based Systems and the Degradation of Nylon PA-11"
- **Matt Kraynyak (Morgan) :**
" The Complete Synthesis of 3-Tropylium-1,5-hexadiene"
- **Liz Levy (Pike) :**
" Synthesis and Characterization of Cuprous Halide Compounds with Substituted Thiourea Ligands"
- **Edgar Kwee (Knudson) :**
- **Theresa Nguyen (Pike) :**
" Copper(I)-substituted Pyrazine Complexes: Synthesis and Electronic Properties"
- **Michael Northrop (Abelt) :**
" The Synthesis of Phenolphthalein Dicarboxylic Acid as a Cap for β -Cyclodextrin"
- **Matt O'Connor (Morgan) :**
" Base-catalyzed Isomerization of Cyclopentene Oxide: Investigation of a Carbene Mechanism"
- **Justin Rice (Bebout) :**
" Synthesis and Hg(II) Coordination of Sulfur-containing Tetradentate Ligands"
- **Liz Shumann (Unger, VIMS):**
" Factors Affecting the Degradation Rate of the Fungicide Chlorothalonil in Natural Water"
- **Ben Suhr (Abelt):**
" The Synthesis of p-(4-Dimethylamino-6-sulfo- 1-naphthylazo)benzenesulfonate Capped β -Cyclodextrin"

" Periodic Trajectories of
Heteronuclear One-electron
Diatomic Molecules"

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