

# Honors 2001

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. Faculty mentors' names are in parentheses.

**Geoff David** (Poutsma)

A Computational Investigation into the Proton Affinities of  
L-Azetidine-2-Carboxylic Acid, Proline and Pipecolic Acid

**Melissa Garland** (Bebout)

Hg(II) Coordination of Tetradentate Ligands

**Pete Godenschwager** (Morgan)

The Synthesis and Study of 3-Tropylium-1,5-Hexadiene

**Kathryn Guy** (Pike)

Synthesis and Characterization of Cu(I) Halide Networks with Heterocyclic  
Bridging Ligands and Cu(I) Complexes with Thiourea-based Ligands

**Dan Havey** (DeFotis)

The Magnetic Properties of  $\text{Mn}_{1-x}\text{Ni}_x\text{Cl}_2 \cdot 2\text{H}_2\text{O}$ , Some Nickel Compounds,  
and  $\text{Co}_{1-x}\text{Mn}_x \cdot \text{H}_2\text{O}$

**Brian Hopkinson** (Knudson)

Relationships between Quantum and Classical Structures

**Ron Houk** (Abelt)

Kinetic and Mechanistic Studies on the Azo Coupling of  
4-Acetamino-3-Carboxymethylaniline and Other *para*-Substituted Anilines

**Meisa Khoshbin** (Kranbuehl)

Development of Time of Flight Techniques and Their Application to an Epoxy  
Resin