**1998 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.

- Pamela Anastasia Argiriadi: "Simulation of the Glass Transition of a Polymer and the Effect of Geometric Constraint"
- Catherine Steiner Branch: "Magnetic Properties of \( \text{Mn}_{1-x} \text{Ni}_2 \text{Cl}_2 \cdot 4 \text{H}_2 \text{O} \)"
- James Forest Bush, II: "Mercury Coordination Studies of Protein Metal Binding Site Models"
- Sagar Subhash Damle: "Studies of Mercury Coordination to Cyclic Dipeptides"
- Anne Elizabeth DeLanoy: "Mercury Coordination Studies of Tridentate Ligands by X-ray Crystallography and NMR Spectroscopy"
- Andree Didine Ebersole: "Monitoring the Degradation of Nylon-11"
- Jennifer Michelle Johnson: "I. Determination of Pb in Salinetd Water; II. Excitation Temperatures in a Miniaturized Helium Discharge"
- Michael E. Ke: "Aryloxy-Ligated Titanium Complexes as Precatalysts for Intramolecular Diels-Alder Reactions"
- Sharon Lee: "A Study of Three"
Magnetically Interesting Mixtures: Co$_{1-x}$Ni$_2$Cl$_2$·6H$_2$O, Co$_{1-x}$Mn$_x$Cl$_2$·H$_2$O, and Co$_{1-x}$Mn$_x$(SCN)$_2$(CH$_3$OH)$_2$

Helium Discharge Detector for the Detection of Halogenated Compounds

- **Benjamin James Wylie:**
  "Effects of Heat and Ultraviolet Radiation on Polyimide Neat Resin and Polyimide/M7 Composites"