Johansen Research - Current Projects

1. Iron in Aerosol Particles (NSF) – Implications on Global Climate and Human Health
   - Crustal/Marine
   - Anthropogenic

2. Pollution Monitoring at Mt. Rainier and North Cascades National Parks (NPS)
   - Precipitation
   - High elevation lakes

3. Chemistry of Faulty Wines
   - Analyses
   - Method development
     (Continuing Ed. And Biology)

Nature of the Work - Examples

Field

Aerosol Collector
Collect particles in 4 size fractions at sea and regionally.

Laboratory

Solar Simulator
Study photochemistry in synthesized and ambient aerosols.

QUANTITATIVE ANALYSIS

Instruments in Chemistry, Geology, EMSL
IC, Chemiluminescence FIA, ICPMS, XPS