

**CURRENT INSTRUMENTATION IN THE CHEM/BIOCHEMISTRY
DEPARTMENT AT COLORADO COLLEGE**

Major Instrumentation:

ATI Model 4225 Capillary Electrophoresis (1994)
Applied Biosystems 270A Capillary Electrophoresis (1993)
Beckman LS-5000 TD scintillation counter (1988)
Beckman L7-65 Ultracentrifuge (1990)
Beckman J2-HS ultracentrifuge (1992)
Biorad and HSI SDS and other Electrophoresis units (many) (c.1995)
Canberra Gamma Ray MCA with gamma sources (2005)
CEM Microwave Sample Prep oven – 1000 (1995)
CH Electrochemistry Workstation (polarography, voltammetry, anodic stripping) (2000)
Dasihi Model 1003-AH Ozone Analyzer (1977)
Dionex – 40 Ion Chromatograph (1997) shared with Environmental Science
Farrand Mark I FOCI spectrofluorimeter (1973)
GBC 932 plus AA with furnace GF3000 (2000)
Gow-mac 550 GC (4) (1989) and 580 GC (2) (1992)
Hewlett Packard 6890/5973 GC/MS (1999) (A second instrument with auto sampler and purge & trap and air sampling accessories is used in Environmental Science – 1999)
Hewlett Packard 8450A Diode array UV/VIS (1983)
Hewlett Packard 8452 Diode array UV/VIS (1990) with kinetics software
Hewlett Packard Series II 1090 HPLC (1994)
Hewlett Packard 7680A SFE (1991)
IS-SS40 SEM (1986) with Oxford 5565 EDX (2001) upgrade shared with Biology
Thermo-Electron Nicolet 6700 FTIR with ATR and other accessories (2005)
PE Spectrum RX1 FT-IR spectrometer (2001)
Phillips model 1820 XRD (1992, upgraded in 2002) shared with Geology
Phillips PANalytical Epsilon 5 XRF (2004) shared with Geology
Rheem cold chambers (2) (1988)
Rudolph Research Autopol I Polarimeter (2006)
Shimadzu TGA-50 and DSC-50 (1990)
SRI 8610C NOX, CO, CO₂ GC (1999) shared with Environmental Science
Sorvall RC-SB centrifuge (1988)
Thermo Jarrell Ash Atomscan 16 ICP-OES (1993)
Thermo Quest NC2100 C/N analyzer (2000) shared with Environmental Science
Varian-Cary Bio-100 UV/VIS Spectrophotometer (2001) with kinetics software
Varian Mercury AS 400 MHz nmr (2005)
Vacuum Schlenk line and glove boxes for handling air sensitive syntheses (c1970, 1990)