



***JOS. H. STOMEL AND SONS***      **10/98 to 4/99**      **Senior Unix Admin**

- Unix Administrator for several UNIX based servers and storage.

***DREXEL UNIVERSITY***      **9/92 to 6/97**      **Research Assistant**

- Performed research using numerical models and data analysis on the structure and fluid dynamics of fronts using data from the ERICA and STORMFEST experiments and model simulations using LAMPS.
- System administrator for HPUX, Sun SOLARIS, and Linux.
- Taught recitation and lab sections of Physics I,II,III,IV
- Taught recitation sections of a computer analysis and modeling course .
- Taught sections of Environmental Global Change, a course where students analyzed data received through research on the Internet.

***MILLERSVILLE UNIVERSITY***      **6/87 to 1/97**      **Lab Manager**

- Build, install, set-up and test computers.
- System administration of several local area networks.
- Manage scheduling and work of student assistance.
- Manage ordering and purchasing of computers, lab equipment and supplies.
- Maintain and Operate Scanning Electron Microscope.

\* I have also taught graduate and undergraduate courses as an Adjunct Professor at Lehigh University, Drexel University, School of Science in Philadelphia, Camden County College. The courses include Applied Physics, Physics with Calculus, Computational Physics, Calculus, Operating Systems, BioPhysics, Data Analysis, and Programming.

### **PAPERS COMPLETED:**

- 08/97 “Comparison of First Order Frontal Model with Aircraft data and Numerical Simulations”, Joseph J. Trout, Ph.D. Thesis
- 06/91 “Study of Glucosyltransferases and their Glucans Using Affinity Chromatography and Scanning Electron Microscopy”, Michele L. Booranazian, Joseph Trout, and Dr. Sandra Turchi, Millersville, PA.
- 01/91 “An Easy to Use, Inexpensive Oscillometer for use in Chemical Polarization Labs” Joseph Trout, Millersville University