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EXPERIENCE

1999 - Yeshiva University, New York, NY
Senior Laboratory Instructional Specialist
- taught 90 586.56 Tm (1M 9.56 Tm (1M 9.56 Tm (1M 9.56 [(en6.5(1M 9.56 Tm
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1994 -1999

The City University of New York, New York, NY

Adjunct Assistant Professor of Chemistry and Physics

- taught general chemistry lecture and laboratory, general

1982 -1983 University of Illinois, Urbana, IL
Postdoctoral Research Associate
- developed a methodology for calculating molecular
rovibrational bound states

EDUCATION

University of Illinois, Urbana, IL
Ph.D. in Chemistry, 1982
Thesis: "The Quantum Mechanical Hamiltonian of Rotating Polyatomic
Molecules and an Exact Solution"

Harvard University, Cambridge, MA
1977 -1978, Chemical Physics

Wayne State University, Detroit, MI
B.S. in Chemistry with High Distinction, 1977

HONORS AND ORGANIZATIONS

Phi Beta Kappa
Phi Lambda Upsilon
Sigma Xi
Michigan Chapter American Institute of Chemists Award, 1977
Presidential Scholarship, Wayne State University, 1977

PUBLICATIONS

D. Estes, L. Blau, S. Guigui, and Neleski, "Base Stacking in Deoxyoligonucleotide
Duplexes", Journal of Undergraduate Chemistry Research, 11, 27 (2012).

D. Estes and D. Secrest, "The Vibrational Hamiltonian- A Unified Treatment of
Linear and Nonlinear Molecules", Molecular Physics, 59, 569 (1986).

G. Fraenkel, M. Geckle, A. Kaylo, and D. Estes, "Effects of Ligands on the
Behavior of Benzylic Lithium Compounds", Journal of Organometallic Chemistry, 197,
249 (1980).

G. Fraenkel, D. Estes, and M. Geckle, "Reaction of Butyllithium with 1-
Phenylcycloalkenes", Journal of Organometallic Chemistry, 185, 147 (1980).

ABSTRACTS

D. Estes and L. Blau, Techniques, Synthesis, and Analysis in a One Semester Organic
Chemistry Laboratory Course of a Liberal Arts College, 21st Biennial Conference on
Chemical Education, Allendale, MI, August 2014.

D. Estes and L. Blau, "The Instructional Organic Chemistry Laboratory of a Small
Liberal Arts College", 22nd Biennial Conference on Chemical Education, University
Park, PA, July 2012.

