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EDUCATION

Ph.D. Chemistry, May 1988. University of South Carolina, Columbia, South Carolina.
GPA: 3.98.

B.S. Chemistry, "with highest distinction" 1983. University of Oklahoma, Norman,
Oklahoma. GPA: 3.95.

TEACHING EXPERIENCE

August 2015 to present	Professor of Chemistry, Angelo State University, San Angelo, TX. Currently teaching Chemistry for the Health Professions
August 2006 to 2015	Associate Professor of Chemistry, Angelo State University, San Angelo, TX.
August 2001 to 2006	Assistant Professor of Chemistry, Angelo State University, San Angelo, TX.
August 1995 to June 2001	Associate Professor of Chemistry, St. Thomas Aquinas College, Sparkill, NY.
August 1988 to 1995	Assistant Professor of Chemistry, St. Thomas Aquinas College, Sparkill, NY. Duties included teaching upper level courses in organic chemistry (including labs), genetics and biochemistry, as well as lower level courses in general chemistry (including labs), chemical science for non-majors, human biology, college algebra and developmental math. Committee work at the college included serving as chair of the Writing Across the Disciplines Committee (1992-1994), chair of the Faculty Development Committee (1994-95 and 1998-99), and chair of the Faculty Evaluation Committee (1995-96).

January 1992 to 1999

Science Teacher, Saturday Morning Search for Solutions Program, Marie Curie Institute, St. Thomas Aquinas College.

Duties included teaching high school students in collaboration with research scientists from Wyeth-Ayerst Labs in an innovative program designed to interest bright students in the sciences.

June 1988 to July 1988

Assistant Visiting Professor of Chemistry, Department of Chemistry, University of South Carolina. Duties included teaching a nursing chemistry course.

August 1986 to May 1988
August 1983 to May 1984

Graduate Teaching Assistant, Department of Chemistry, University of South Carolina.

Duties included delivering lectures in organic chemistry labs and supervising organic chemistry and medical biochemistry labs.

August 1982 to May 1983

Undergraduate Teaching Assistant, Department of Chemistry, University of Oklahoma. Duties included conducting recitation sessions in undergraduate general chemistry and supervising laboratory work.

RESEARCH EXPERIENCE

August 2006 to 2015

Associate Professor of Chemistry, Angelo State University. Current research involves the synthesis of a series of Michael donors for reaction with (4-Methoxybenzylidene) malonic acid diethyl ester as well as pedagogical studies aimed at developing teaching techniques based on how the brain processes information.

August 2001 to July 2006

Assistant Professor of Chemistry, Angelo State University. Research involved the synthesis and analysis of possible estrogen analogs.

January 1984 to May 1988

Graduate Research Assistant, Department of Chemistry, University of South Carolina. Research involved the synthesis and evaluation of radioactive and fluorescent labels for the monitoring of protein degradation in vivo and in vitro.

January 1981 to May 1983

Undergraduate Research Assistant, Department of Chemistry, University of Oklahoma. Research focused on the isolation and characterization of a p-nitrophenylphosphatase present in Ehrlich Ascites Tumor cells.

HONORS

“Wonderful Women of ASU” Award, Spring 2010; Joseph W. Bouknight Graduate Teaching Award, 1987; Stephen F. Taber fellowship, 1983; Outstanding Senior in Chemistry, OU, 1983; Apex Scholar, OU, 1981-83; Phi Lambda Upsilon, member; Phi Beta Kappa, member, American Chemical Society, member.

PUBLICATIONS

Books –

Laboratory Manual for Chem 1407, Pearson, 2015-2016

“Organic Chemistry”, Janet L. Maxwell, Fountainhead Press, 2005-2010

CPS Content –

~500 CPS Questions for Organic Chemistry, posted on Blackboard, Fall 2007

Textbook supplement - ~1740 Spectroscopy Problems in Four Categories: NMR (multiple choice), IR (multiple choice), NMR/IR and pNMR/CMR

Abstracts and Presentations-

Hill, Kayde A.; Baeza, Bianca; and Maxwell, Janet L. “Investigation into the Mechanism of the Formation of (2S,6R/2R,6S)-1,1,3-triethoxycarbonyl-2,6-di-(4-methoxyphenyl)-cyclohex-3-en-4-ol” presented in the Undergraduate poster session sponsored by the Division of Chemical Education at the 233rd Annual Meeting of the American Chemical Society, held in Chicago, IL in March 2007.

Finley, Jerrica D.; Stephens, Sarah S.; Carter, David; and Maxwell, Janet L. “Synthesis and Analysis of (2S,6R)-1,1,3-triethoxycarbonyl-2,6-di(4-methoxyphenyl) cyclohex-3-en-4-ol and its Enantiomer” presented in the Undergraduate poster session sponsored by the Division of Chemical Education at the 226th Annual Meeting of the American Chemical Society, held in Anaheim, Ca. in March 2004.

Crowson, Ryan; Ellichman, Michael; Finley, Jerrica D. and Maxwell, Janet L. “Investigations into the Mechanism of the Production of (2S,6R)-1,1,3-triethoxycarbonyl-2,6-di(4-methoxyphenyl) cyclohex-3-en-4-ol and its Enantiomer” presented in the Undergraduate poster session sponsored by the Division of Chemical Education at the 226th Annual Meeting of the American Chemical Society, held in Anaheim, Ca. in March 2004.

Findley, Jerrica D. and Maxwell, Janet L. “Product Analysis in the Reaction Mixture of (4-methoxybenzylidene) malonic acid diethyl ester and Ethyl acetoacetate” presented in the Undergraduate poster session at the Southwestern Regional Meeting of the American Chemical Society, held in Oklahoma City, OK in October 2003.

Maxwell, Janet L. “Attempted Synthesis of Estrogen Analogs”, an invited talk given at the Permian Basin ACS Sectional Meeting held at Odessa, Tx in September 2003.

Lowther, Ervin L. and Maxwell, Janet L. “Synthesis and analysis of diethyl 2-(4-methoxyphenyl)-4,6-dioxocyclohexane-1,3-dicarboxylate” presented in the Undergraduate poster session sponsored by the Division of Chemical Education at the 225th Annual Meeting of the American Chemical Society, held in New Orleans, La. in March 2003.

Lieber, Amber J., Stephens, Sarah S. and Maxwell, Janet L. "Spectroscopic analysis of diethyl 2-(4-methoxyphenyl)-4,6-dioxocyclohexane-1,3-dicarboxylate" presented in the Undergraduate poster session sponsored by the Division of Chemical Education at the 225th Annual Meeting of the American Chemical Society, held in New Orleans, La. in March 2003.

Maxwell, J.L., Baynes, J.W., and Thorpe, S.R. "Synthesis and Evaluation of Radioactive and Fluorescent Residualizing Labels for Identifying Sites of Plasma Protein Catabolism" Fed. Proc. 45, 1540, 1986, presented in a poster session at the 76th Annual Meeting of the American Society of Biological Chemists, held in Washington, D.C. in June 1986.

Baynes, J.W., Borg, T.K., Cady, S.G., Maxwell, J.L., Terracio, L., and Thorpe, S.R. "Use of ¹²⁵I-Residualizing Labels to identify Sites of Plasma Protein Catabolism" J. Cell Biol., 101, 88a, 1985, presented in a poster session at the 25th Annual Meeting of the American Society for Cell Biology held in Atlanta, Georgia in November 1985.

O'Neal, S., Javeri, I., Yunker, S., Maxwell, J., Howard, Z., Sexter, S. "Characterization of a Soluble p-Nitrophenylphosphatase Activity from Ehrlich Ascites Tumor Cells" Fed. Proc. 42, 1594, 1983.

Papers-

Livengood, K.; Lewallen, D.; Leatherman, J., Maxwell, J.L. "The Use and Evaluation of Scaffolding, Student Centered-Learning, Behaviorism, and Constructivism To Teach Nuclear Magnetic Resonance and IR Spectroscopy in a Two-Semester Organic Chemistry Course" J. Chem. Educ. 89 (8), 1001–1006, 2012

Maxwell, J.L., Terracio, L., Borg T.K., Baynes, J.W., Thorpe, S.R. "A Fluorescent Residualizing Label for Studies on Protein Uptake and Catabolism In vivo and in vitro" Biochem J., 267(1), 155-162, 1990.

Maxwell, Janet L. "Synthesis and Evaluation of Radioactive and Fluorescent Residualizing Labels for Monitoring Protein Degradation in vivo and in vitro" Avail. Univ. Microfilms Int., Order No. DA8817579 From: Diss Abstr. Int. B 1989, 49(7), 2625.

Maxwell, J.L., Baynes, J.W., Thorpe, S.W. "Inulin-125I-tyramine, an Improved Residualizing Label for Studies on Sites of Catabolism of Circulating Proteins" J. Biol. Chem., 263(28), 14122-7, 1988.

Baynes, J.W., Maxwell, J.L., Rahman, K.M., and Thorpe, S.R. "Purification of Residualizing Glycoconjugate Labels for Protein by Reversed-Phase High-Pressure Liquid Chromatography". J. Anal Biochem., 170(2), 382-6, 1988.

Maxwell, J.L., Baynes, J.W., and Thorpe, S.R. "Residualizing Labels for Identifying Cells Active in Protein Uptake and Catabolism" in The Pharmacology and Toxicology of Proteins, p 59-72. J.S. Holcenberg and J.L. Winkelhake, ed., 1987, Alan R. Weis. Publisher.

Javeri, I., Maxwell, J.L., Howard, O.M.Z., Yunker, S., and O'Neal, S.G. "Mg²⁺ or Mn²⁺ Dependent p-Nitrophenylphosphatase Activity is present in Ehrlich Ascites Tumor Cells" Arch. Biochem. Biophys. 232, 214, 1984.