

Chemistry Department Presentations (2002-present)
(79 Total)

2012

Samantha R. Gardner, L.M. Selby, Rachel K. Teranishi, M.S. Douglas, S.W. Simonds, K.A. Martin and Allan M. Nishimura, "Temperature Dependent Excimer Luminescence of Naphthalene on alpha-Alumina", 59th Annual Western Spectroscopy Association Conference at Asilomar Conference Center, Pacific Grove, CA, January 25th -27th, 2012.

Rachel K. Teranishi, K.A. Martin, and Allan N. Nishimura, "ODMR Linewidth of 2-Indanone", 59th Annual Western Spectroscopy Association Conference at Asilomar Conference Center, Pacific Grove, CA, January 25th -27th, 2012.

Perry, M.C.; Gillett, A.N., "Schlenk Equilibrium Effects on Iron-Catalyzed Cross-Coupling Reactions of Aryl Chlorides with Alkyl Grignard Reagents." 243rd American Chemical Society National Meeting and Exposition, San Diego, CA, March 25-29, 2012.

Summer A. Bunting and Dale F. Shellhamer, "Microwave initiation and N-heterocyclic carbene catalysis of chlorosulfonyl isocyanate reactions with unreactive hydrocarbons and fluoroalkenes", 243rd American Chemical Society National Meeting and Exposition, San Diego, CA, March 25-29, 2012

Luke D. Vickers*, Victor L. Heasley, Christina A. Moulton, "Discovery of an aromatic hypochlorite intermediate in the reaction of the chloramines with phenol and resorcinol", 243rd American Chemical Society National Meeting and Exposition, San Diego, CA, March 25-29, 2012

Summer Bunting, Amber Gillett, Kayla Kendric, Luke Vickers, Troy Kurz, Seth Simonds, and Sara Yu Choung, "Sharing Chemistry with Students in the Greater San Diego Area", 243rd American Chemical Society National Meeting and Exposition, San Diego, CA, March 25-29, 2012

Parker, C. Horn and Dale F. Shellhamer, "Kinetics and studies on the reaction of chlorosulfonyl isocyanate with monofluoroalkenes", 243rd American Chemical Society National Meeting and Exposition, San Diego, CA, March 25-29, 2012

Dale F. Shellhamer*, Summer A. Bunting*, Parker C. Horn*, Jacob C Milligan*, Danielle E. Shipowick*, and Jerry A. Boatz[§], "Calculations and experimental data supporting both concerted and stepwise pathways for reaction of chlorosulfonyl isocyanate with monofluoroalkenes", 243rd American Chemical Society National Meeting and Exposition, San Diego, CA, March 25-29, 2012

2011

Mark Boerneke, Carli Coco, Summer Bunting, Amber Gillett, Ryne Holmberg, Parker Horn, Troy Kurz, Renae Minnema, Seth Simonds, David Vandenbroek, and Sara Yu Choung, "Sharing Chemistry with Students in the Greater San Diego Area", 241st National Meeting of the American Chemical Society, Anaheim, CA, March 27-31, 2011.

Kelli R. Hickle, David J. Vandebroek, Charles P. Horn and Dale F. Shellhamer, "A Kinetic Study of Monofluorinated Alkenes with Chlorosulfonyl Isocyanate Supports a Concerted Mechanism", 241st National Meeting of the American Chemical Society, Anaheim, CA, March 27-31, 2011.

Mark A. Boerneke* and Victor L. Heasley, "Reaction Studies of Monobromamine with Styrene", 241st National Meeting of the American Chemical Society, Anaheim, CA, March 27-31, 2011.

Renaë A. Minnema, "Synthesis and Studies on the Stability of Hypochlorous Acid, HOCl, in Ether, and Methanol/Ether", 241st National Meeting of the American Chemical Society, Anaheim, CA, March 27-31, 2011.

Ryne M. Holmberg and Dr. Victor L. Heasley, "Determination of Active Chlorine in Dichloramine", 241st National Meeting of the American Chemical Society, Anaheim, CA, March 27-31, 2011.

Samantha Gardner (a), **Seth Simonds** (b), K.A. Martin (b), and A.M. Nishimura (a) *Evidence of Resonance Energy Transfer in Molecular Bilayers* 58th Annual Western Spectroscopy Association Conference at Asilomar Conference Center, Pacific Grove, CA, Jan. 2011. (a) Department of Chemistry, Westmont College. (b) Department of Chemistry, Point Loma Nazarene University

Laura Selby (a), **Michael Douglas** (b), K.A. Martin (b), and A.M. Nishimura (a) *Perturbation in the Formation of Excimers in Methyl-naphthalene Adlayer* 58th Annual Western Spectroscopy Association Conference at Asilomar Conference Center, Pacific Grove, CA, Jan. 2011. (a) Department of Chemistry, Westmont College. (b) Department of Chemistry, Point Loma Nazarene University

Shellhamer, Dale F.; Bunting*, Summer A.; Hickle*, Kelli R.; Horn*, Parker C.; Vandebroek*, David J. and Boatz, Jerry A. "Kinetics and studies on the reaction of chlorosulfonyl isocyanate with monofluoroalkenes," presented by Dale Shellhamer at the 20th Winter Fluorine Conference at St. Petersburg Beach, January 10, 2011.

2010

Mark Boerneke, Dave Lingner, Adam Sweeney and Renaë Minnema, "Synthesis of Monobromamine, NH₂Cl, and Its Reaction with Organic Compounds," Europe-Asia (EuAsC2S-11) Chemistry Conference, October, 2010.

W.A. Hale (1), **N.C. Freyschlag** (2), K.A. Martin (2), and A.M. Nishimura (1) *Evidence for Quenching of Methyl-naphthalene Fluorescence by Cyclopentanone on Al₂O₃* 57th Annual Western Spectroscopy Association Conference at Asilomar Conference Center, Pacific Grove, CA, Jan. 2010. (1) Department of Chemistry, Westmont College. (2) Department of Chemistry, Point Loma Nazarene University

C.L. Binkley (1), **N.C. Freyschlag** (2), M.L. Gross (1), W.A. Hale (1), T.C. Judkins (1), K.A. Martin (2), and A.M. Nishimura (1) *Disubstitutional Effect on Naphthalene Fluorophores on Al₂O₃* 57th Annual Western Spectroscopy Association Conference at Asilomar Conference Center, Pacific Grove, CA, Jan. 2010. (1) Department of Chemistry, Westmont College. (2) Department of Chemistry, Point Loma Nazarene University

Amber R.E. Kerk*, Victor L. Heasley, "Investigation of the Products of the Reaction of Pentachlororesorcinol, a Model Humic Acid, with Hypochlorous Acid", 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010.

David J Vandebroek, Kelli R. Hickie, and Dale F. Shellhamer, "Studies on the Reaction Kinetics of Chlorosulfonyl Isocyanate with Monofluoro Substituted Alkenes", 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010.

Adam R. Sweeney* and Victor L. Heasley, "Studies on the Synthesis and Selected Reactions of Monobromamine", 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010.

Danielle M. Hassler and Dale F. Shellhamer, "Addition of Electrophiles to Some Monosubstituted Fluoroalkenes", 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010.

Mark Boerneke, Justin Bordley, Summer Bunting, Vanessa Franz, Nicole Freyschlag, Danielle Hassler, Amber Kerk, Anthony Montano, Kristen Moser, Seth Simonds, Ricardo Solano, Adam Sweeney, Julie Thomsen, Jacob Thorpe, David Vandebroek with Sara Yu Choung and Gary L. N. Smith, "Sharing Chemistry with Students in the Greater San Diego Area", 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010.

Jacob J. Thorpe*, Dale F. Shellhamer, "Reaction of Chlorine and Bromine with 4-methoxy- and 4-hydroxy-1,1,2-trifluorobut-1-ene", 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010.

Julianne M. Thomsen*, Justin A. Bordley, Joseph E. Gatt*, Chelsey D. Baertsch*, and Sara Yu Choung, "Effect of Methanol and Nitrogen Containing Compounds on the Activity, Selectivity and Stability of $\text{Fe}_2(\text{MoO}_4)_3$ Catalysts in the Partial Oxidation of Ethanol", 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010.

Justin A. Bordley*, Julianne M. Thomsen, Joseph E. Gatt*, Chelsey D. Baertsch*, and Sara Yu Choung, "Studies of the Partial Oxidation of Ethanol and Methanol over an Iron Molybdate Catalyst and the Effect of Sulfur Compounds", 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010.

Kristen M. Moser*, Ricardo Solano, Vanessa Franz, Ryne Holmberg, and Gary L. N. Smith, "Effects of Structure, Size and Substituents of Amine Ligands on Anion Binding", 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010.

Vanessa Franz*, Kristen M. Moser, Ryne Holmberg, Ricardo Solano, and Gary L. N. Smith, "Anion Binding Investigation of Linear and Tripodal Amines", 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010.

2009

Kevyn J. Davenport* and Dale F. Shellhamer, "The Synthesis of Chlorosulfonyl Fluoro- \square -Lactams: A Mechanistic Study of the Electrophilic Addition of Chlorosulfonyl Isocyanate to Monofluoroalkenes", Presented by Kevyn Davenport at the 34th Annual West Coast Biological Undergraduate Research Conference at Point Loma Nazarene University on April 18, 2009.

Kevyn J. Davenport and Dale F. Shellhamer, "The Synthesis of Chlorosulfonyl Fluoro- \square -Lactams: A Mechanistic Study of the Electrophilic Addition of Chlorosulfonyl Isocyanate to Monofluoroalkenes", 237th National Meeting of the American Chemical Society, Salt Lake City, Utah, March 23, 2009.

Kristin E. Mitrovich and Victor L. Heasley, "Investigation of the Reaction of a New Humic Acid Model with Monochloramine in Methanol: Formation of an Unexpected Epoxide", 237th National Meeting of the American Chemical Society, Salt Lake City, Utah, March 23, 2009.

Mark Boerneke, Summer Bunting, Kevyn Davenport, Vanessa Franz, Madison Kempton, Kristin Mitrovich, Anthony Montano, Rebekah Schneider, Seth Simmons, Elyse Swift, Luke Tatum, Julie Thomsen, Jacob Thorpe, David Vandebroek, Karl Wilhelm with Sara Yu Choung and Gary L. N. Smith, "Sharing Chemistry with Middle School and High School Students Through Interactive and Stimulating Educational Methods", 237th National Meeting of the American Chemical Society, Salt Lake City, Utah, March 23, 2009.

Luke A. Tatum and Victor L. Heasley, "Appearance of an Unexpected Lactam from the Reaction of 2, 2, 4, 4, 6-Pentachloro-5-cyclohexen-1, 3-dione with Ammonia", 237th National Meeting of the American Chemical Society, Salt Lake City, Utah, March 23, 2009.

Dale F. Shellhamer, Kevyn J. Davenport, Danielle M. Hassler, Jacob J. Thorpe and David J. Vandebroek, "Reaction of Chlorosulfonyl Isocyanate with Fluorosubstituted Alkenes," 19th Winter Fluorine Conference at St. Petersburg Beach, FL on January 16, 2009.

Taylor Judkins, Christine Binkley, K. A. Martin, and A. M. Nishimura, "Substitutional Effects on the Formation of Naphthalene Excimers on Al₂O₃ Surface," 56th Annual Western Spectroscopy Association Conference at Asilomar Conference Center, Pacific Grove, CA, Jan. 2009.

2008

R. J. Weiss, R. N. Jones, and D. F. Shellhamer, "Reaction of Halogens and Interhalogens with 1,1,2-trifluorobut-1-ene-4-ol," 235th National American Chemical Society Meeting, New Orleans, Louisiana, April 2008.

R. N. Jones, R. J. Weiss, and D. F. Shellhamer, "Reaction of Halogens and Interhalogens with 4-Halo-1,1,2-Trifluorobut-1-enes," 235th National American Chemical Society Meeting, New Orleans, Louisiana, April 2008.

J. L. Boerneke, "Investigation of the reactions and mechanisms of 1-methoxy-1,3-butadiene and related compounds with the chloramines," 235th National American Chemical Society Meeting, New Orleans, Louisiana, April 2008.

J. Boerneke, R. Jones, M. Kempton, K. Mitrovich, G. Moore, R. Schneider, N. Singh, L. Tatum, J. Thomsen, R. Weiss, K. Wilhelm, J. Yasutomi, and S. Yu Choung, "Sharing Chemistry with Middle School and High School Students Through Interactive and Stimulating Educational Methods," 235th National American Chemical Society Meeting, New Orleans, Louisiana, April 2008.

S. Ryland, M. Bootz, R. Valladares, K. A. Martin, A. M. Nishimura, "Study of the Disorder to Order Transitions of Di-Substituted Naphthalenes," 235th National American Chemical Society Meeting, New Orleans, Louisiana, April 2008.

R. D. Valladares, S. Ryland, M. N. Masumo, K. A. Martin, and A. M. Nishimura, "Electronic Energy Transfer in Molecular Bilayers on Al₂O₃ by Wavelength Resolved Temperature Programmed Desorption," 55th Annual Western Spectroscopy Association Conference at Asilomar Conference Center, Pacific Grove, CA, Feb. 2008.

2007

V. L. Heasley, "Contamination of Drinking Water During Chlorination: An Approach to the Understanding and Possible Solution of the Problem," Presented at the 2nd International Congress of the Chemistry and Environment, November 20, 2007, Kuwait City, Kuwait.

D. F. Shellhamer, N.N. Trager, S.J. Rodriguez, S. Sanabria, V. L. Heasley and J.A. Boatz, "Reaction of Halogens and Interhalogens with 4-Halo-1,1,2-trifluorobut-1-enes," Presented by D. Shellhamer at the 18th Winter Fluorine Conference in St. Petersburg Beach, FL, January 2007.

G.H. Allen, S.M. Ryland, K.A. Martin, and A.M. Nishimura "Excimer Fluorescence of 1,4-Dibromonaphthalene on Al₂O₃" 54th Annual Western Spectroscopy Association Conference Asilomar Conference Center, Pacific Grove, CA Feb. 2007

G. Allen, S. Ryland, K.A. Martin, and A.M. Nishimura "Wavelength Resolved TPD of Naphthalene and Substituted Naphthalene Adlayers" Southern California Undergraduate Research Conference Cal State Fullerton CA April 28, 2007

S. Y. Choung, J. Berneke, J. Koop, K. Mitrovich, G. Moore, L. Sator, D. Sullivan, J. Thomsen, R. Weiss, and J. Yasutomi, "Sharing Chemistry with Middle and High School Students Through Interactive and Stimulating Educational Methods," Presented at the 233rd National American Chemical Society Meeting, Chicago, Illinois, March, 26, 2007.

D. F. Shellhamer, M. P. Herrick, R. N. Jones and R. J. Weiss, "Ionic Reactions of Halogens with 4-Halo-1,1,2-trifluorobut-1-enes," Presented by Matt Herrick at the 233rd National Meeting of the American Chemical Society, Chicago, Illinois, March 25, 2007.

V. L. Heasley and A. M. Ramirez, "Reactions of Pentachlororesorcinol with Chlorinating Agents: Identification of the Products," Presented by Ashley Rameriz at the 233rd National Meeting of the American Chemical Society, Chicago, Illinois, March 25, 2007.

V. L. Heasley and L. C. Sator, "Investigation of the Synthesis of 2,4,6,6-Tetrachloro-2-methylcyclohex-4-ene-1,3-dione and its Reaction with Chloroamine," Presented by Lisa Sator at the 233rd National Meeting of the American Chemical Society, Chicago, Illinois, March 25, 2007.

2006

D. Hoss, A. Bishop* K.A. Martin and A.M. Nishimura "Study of 1-Chloronaphthalene Excimers on Al₂O₃ (0001)", presented at the 53rd Annual Western Spectroscopy Association Conference, Asilomar Pacific Grove, CA, Feb. 2006.

D.R. Hoss, A.J. Bishop* K.A. Martin and A.M. Nishimura "Chloronaphthalene Excimer Formation on Al₂O₃ Surfaces" presented at the Southern California American Chemical Society Undergraduate Research Conference, Santa Barbara, CA, April 10, 2006.

Nicole N.M. Acosta* Dale F. Shellhamer and Victor L. Heasley. "Acid Catalyzed Addition to Monofluoroterminal Alkenes," Presented by Nicole N.M. Acosta at the 231st National Meeting of the American Chemical Society, Atlanta, GA, March 27, 2006. Also presented by Nicole N.M. Acosta at the Southern California American Chemical Society Undergraduate Research Conference, Santa Barbara, CA, April 10, 2006.

M. Evans, A. Louie, K.A. Martin and A.M. Nishimura "Van der Waals Clusters of 1,4-Dimethylnaphthalene and Water on Al₂O₃ (0001)" presented at the 53rd Annual Western Spectroscopy Association Conference, Asilomar Pacific Grove, CA, Feb. 2006.

Shellhamer, Dale, Nicole N. Trager*, Sean J. Rodriguez*, Sunamita Sanabria*, Victor Heasley and Jerry A. Bootz. "Reaction of halogens and interhalogens with 4-halo-1,1,2-trifluorobut-1-enes". Presented at the 18th Winter Fluorine Conference, St. Petersburg, Beach, FL. January 17, 2007.

2005

Dale F. Shellhamer, Olga Sharts, Michael O'Hagen, Leo P. Avakyants, Victor Contreras, and Robert P. Metzger. "Detection of Carbon-fluorine bonds by Raman Spectroscopy in Selected Fluorine-containing Blood Substitutes," 229th National Meeting of the American Chemical Society, San Diego, CA, March 13-17, 2005.

Sarah Wood, Peter Baker and Victor Heasley. "Structural Studies of the Two Types of 2,2,4,4,6-Pentachlorocyclohex-5-en-1,3-dione: Are they Conformers?". 229th National Meeting of the American Chemical Society, San Diego, CA, March 14, 2005

J.S. Brigham, A.J. Bishop, K.A. Martin and A.M. Nishimura "Formation of van der Waals Molecular Clusters by Percolation of p-Difluorobenzene Through a Water Adlayer on Al₂O₃" presented at the 52nd Annual Western Spectroscopy Association Conference, Asilomar Pacific Grove, CA Jan, 2005.

T.S. LeDoux, J.M. Rea, K.A. Martin and A.M. Nishimura "Temperature Dependent Non-radiative Effects in the Disorder-to-order Transition in Cyclopentanone and Cyclohexanone Films on Al₂O₃ (0001)" presented at the 52nd Annual Western Spectroscopy Association Conference, Asilomar Pacific Grove, CA Jan, 2005.

Heidi K. Forberg, Dale F. Shellhamer and Victor L. Heasley, "Calculations of Cations from Protonation of Fluorine-substituted Terminal Alkenes," presented by Heidi Forberg at the 228th National Meeting of the American Chemical Society, March 14, 2005, San Diego, CA.

Sean J. Rodriguez, Dale F. Shellhamer and Victor L. Heasley, "Trifluoromethanesulfonic Acid Catalyzed Addition of Alcohols to Alkenes," presented by Sean Rodriguez at the 228th National Meeting of the American Chemical Society, March 14, 2005, San Diego, CA.

Heasley, VL, "Reaction of Selected Chlorophenols with the Chloramines in Methanol: Investigation of the Products and Mechanisms". International Congress of Chemistry and Environment-2005, Indore, India, December 25, 2005. - poster

Dale F. Shellhamer*, David C. Gleason, Victor L. Heasley and Jeffrey J. Lehman, "Correlation of Calculated Halonium Ion Structures with Experimental Product Distributions from Terminal Alkenes: The Effect of Electron-Withdrawing Fluorine Substituents on the Structure and Charge Localization of Halonium Ions," presented by Dale Shellhamer at the 17th Winter Fluorine Conference at St. Petersburg Beach, FL, January 10, 2005.

2004

Miller, E., and VL Heasley, "Replacement of *para*-Chlorine by Nitrogen in 2,4,6-Trichlorophenol: An Ion-Radical Mechanism," presented by Evan Miller at the 227th National Meeting of the American Chemical Society, Anaheim, CA, March 28-April 1, 2004.

Herman, E and VL Heasley, "Measurement of Carbon Dioxide Evolution in the Reaction of Pentachlororesorcinol with Monochloramine," presented by Erica Herman at the 227th National Meeting of the American Chemical Society, Anaheim, CA, March 28-April 1, 2004.

"Water-p-dichlorobenzene clusters on Al₂O₃ (0001)", B. Haddock, S. Cowell, L. Meiling, K.A. Martin and A.M. Nishimura, 51st Annual Western Spectroscopy Association Conference, Asilomar Pacific Grove, CA, Jan. 28-30, 2004.

"Disorder-to-order transition by cavity ringdown spectroscopy", Jonathan Brigham, T. LeDoux, K.A. Martin and A.M. Nishimura, 51st Annual Western Spectroscopy Association Conference, Asilomar Pacific Grove, CA, Jan. 28-30, 2004.

David C. Gleason, Dale F. Shellhamer and Jeffrey J. Lehman. "Correlation of Fluorinated Halonium Ion Equilibrium Geometries with Experimental Products," presented by David Gleason at the 227th National Meeting of the American Chemical Society, Anaheim, CA, April 29, 2004.

G. Gawayne Vaughan and Dale F. Shellhamer, "Ionic Reactions of Triflic Acid with Terminal Alkenes: How the Electronegativity of Fluorine Effects the Charge Distribution on the Reaction Pathway," presented by Gawayne Vaughan at the 227th National Meeting of the American Chemical Society, Anaheim, CA, April 29, 2004.

2003

Joseph D. Taylor, Amanda S. Pontius, Jerome A. Santos, R.T. Gingerich, D.L. Arnold, K.A. Martin and A.M. Nishimura, "Interaction of Water and p-Dihalobenzenes on Al₂O₃(0001)", 50th Annual Western Spectroscopy Association Conference, Asilomar Pacific Grove, CA, Jan. 2003 .

C.J. Sharpe, J.D. Taylor, A.S. Pontius, K.A. Martin, and A.M. Nishimura, "Multiple Disorder-to-Order Phase Transitions of Large-Ringed Cycloalkanones on Al₂O₃(0001)", 50th Annual Western Spectroscopy Association Conference, Asilomar Pacific Grove, CA, Jan. **2003** .

Nicole Royer and Victor L. Heasley, "Reaction of the Pentachloride of Resorcinol, A Model of the Humic Acids, with Various Chloramines." Presented by Nicole Royer at the 225th National Meeting of the American Chemical Society, New Orleans, LA, March 23, 2003.

Rene R. Bravo & Gay Olivier-Lilley, "Studies on the binding of vanadate ion to bovine spleen purple acid phosphatase and its inhibitory effects". 225th National Meeting of the American Chemical Society, New Orleans, LA, March 23-27, 2003.

"Ionic Reactions of Halogens with Fluorosubstituted Terminal Alkenes," A.J. Ryan and D.F. Shellhamer, Presented by A.J. Ryan at the 225th National Meeting of the American Chemical Society in New Orleans, LA. March 23, **2003**, Paper# 617479.

2002

J.D. Taylor, J.A. Santos, R.T. Gingerich, C.J. Sharpe, K.A. Martin and A.M. Nishimura, "Multiple Disorder-to-Order Phase Transitions of Cycloalkanone Multilayers on Al₂O₃ (0001)", Southern California Undergraduate Research Conference in Chemistry and Biochemistry, California State University Northridge, Northridge, CA April 2002 .

C.J. Sharpe, R.T. Gingerich, M.P. Hanchett, K.R. Pointer, A.F. Cavallero, K.A. Martin and A.M. Nishimura, "Multiple Disorder-to-Order Transitions of Cycloalkanone Multilayers on Al₂O₃," *49th Annual Western Spectroscopy Association Conference* , Jan. 30, **2002** .

"Pulsed Laser Raman Spectroscopy to Determine Fluorine in the Gas, Liquid or Solid State," O. Sharts, V. Gorelik, D. Shellhamer, Thirteenth European Symposium on Fluorine Chemistry, July 16, **2002**, Bordeaux, France.

Licata, Cavallero, Pointer, Saiki, Martin and Nishimura, 37th Annual American Chemical Society Western Regional Meeting, 10/28/01

Titterington and Shellhamer, 37th Annual American Chemical Society Western Regional Meeting, 10/28/01