

**American Chemical Society
Tampa Bay Local Section
MEETING-IN-MINIATURE**

Sponsored by

The University of South Florida St. Petersburg

Friday, 15 April 2005

The University of South Florida St. Petersburg
Florida Center For Teachers
Corner of 6th Avenue South and 2nd Street East
St. Petersburg, FL 33701

- 2:00 pm. Registration
- 2:30 pm. Simultaneous Technical Sessions:
Environmental Chemistry, Room 118A
Organic Chemistry, Room 118B
General Program, Room 123
- 5:00 pm. Plenary Lecture, Room 118
“Illustrated Guide To The Oesper Collection”
Dr. William Jensen
University of Cincinnati
- 6:00 pm. Social Hour/Refreshments
Presentation of Awards

2005 Meeting-In-Miniature Program

- *Undergraduate Students; ** Graduate Students*

Environmental Chemistry Section
Eric Steimle, Chair

Florida Center For Teachers
Room: 118A

2:30 Phytoremediation of TNT With *Lemna Minor*

Robin Feuillebois*, Katrina Woodring*, and Kathleen M. Carvalho-Knighton
Department of Environmental Science and Policy, University of South Florida St. Petersburg, 140
7th Avenue South, St. Petersburg, FL 33701

2:45 Discussion

2:50 Dechlorination of PCBs In Solution With PD/Mg Bimetallic Systems

Brittany R. Halle*¹, Kathleen M. Carvalho-Knighton¹, Cherie L. Geiger², and Christian A. Clausen²
¹Department of Environmental Science and Policy, University of South Florida St. Petersburg, 140
7th Avenue South, St. Petersburg, FL 33701

²Department of Chemistry, University of Central Florida, 4000 Central Florida Blvd., CH 117,
Orlando, FL 32816-2366

3:05 Discussion

3:10 Stability of Emulsions For TNT Remediation

Tyler Colcord*¹, Chris King, Kathleen M. Carvalho-Knighton¹, Cherie L. Geiger², and Christian A. Clausen²

¹Department of Environmental Science and Policy, University of South Florida St. Petersburg, 140
7th Avenue South, St. Petersburg, FL 33701

²Department of Chemistry, University of Central Florida, 4000 Central Florida Blvd., CH 117,
Orlando, FL 32816-2366

3:25 Discussion

3:30-3:45 Break

3:45 Nutrient Composition of *Halodule wrightii*, *Syringodium filiforme*, and *Thalassia testudinum* Throughout The Big Bend of Florida

Carey L. Perry*, Paul R. Carlson, Jeannine M. Lessmann, Laura A. Yarbrow, Alice D. Ketron, and Herman Arnold

Marine Science Department, Eckerd College, 4200 54th Avenue South, St. Petersburg, FL 33711

4:00 Discussion

4:05 Farm Index

Dawn Blankenship*, Barbara Martin, and Dean F. Martin

Department of Chemistry, University of South Florida, 4202 East Fowler Avenue, Tampa, FL
33620

4:20 Discussion

4:25 Effect of Light Quality on Duckweed (*Lemna Minor*) and How The Plant “Sees”

Dean F. Martin and Laura Anderson

Department of Chemistry, University of South Florida, 4202 East Fowler Avenue, Tampa, FL
33620

4:40 Discussion

5:00 Plenary Lecture, Room 118: Illustrated Guide To The Oesper Collection

Dr. William Jensen

University of Cincinnati, Cincinnati, OH

2:30 Antarctic Microbial Bio-Propecting

Shane Judge^{1*}, J. Erin Swenson^{1*}, Bill J. Baker¹, Charles D. Amsler², and James B. McClintock²
¹ Chemistry Department, University of South Florida, 4202 E. Fowler, SCA 400, Tampa, FL 33620
² Depart. of Biological Sciences, University of Alabama at Birmingham, Birmingham, AL 33294

2:45 Discussion

2:50 A New Ecdysteroid From The Antarctic Tunicate *Synoicum adareanum*

Yoshinari Miyata¹, Bill J. Baker¹, James B. McClintock², and Charles D. Amsler²
¹ Chemistry Department, University of South Florida, 4202 E. Fowler, SCA 400, Tampa, FL 33620
² Depart. of Biological Sciences, University of Alabama at Birmingham, Birmingham, AL 33294

3:05 Discussion

3:10 Degradation Studies of Natural Products Utilizing Ozonolysis

Matt D. Lebar^{1**}, Bill J. Baker¹, Charles D. Amsler², and James B. McClintock²
¹ Chemistry Department, University of South Florida, 4202 E. Fowler, SCA 400, Tampa, FL 33620
² Depart. of Biological Sciences, University of Alabama at Birmingham, Birmingham, AL 33294

3:25 Discussion

3:30-3:45 Break

3:45 Isolation of Palmerolide A From *Synoicum*

Jaime L. Heimbegner^{1**}, Bill J. Baker¹, Charles D. Amsler², and James B. McClintock²
¹ Chemistry Department, University of South Florida, 4202 E. Fowler, SCA 400, Tampa, FL 33620
² Depart. of Biological Sciences, University of Alabama at Birmingham, Birmingham, AL 33294

4:00 Discussion

4:05 Chemistry and Bioactivity of Palmerolide A

Thushara Diyabalanage^{1**}, Bill J. Baker¹, Charles D. Amsler², and James B. McClintock²
¹ Chemistry Department, University of South Florida, 4202 E. Fowler, SCA 400, Tampa, FL 33620
² Depart. of Biological Sciences, University of Alabama at Birmingham, Birmingham, AL 33294

4:20 Discussion

4:25 Norselic Acid, A New Steroid From The Antarctic Sponge, *Crella* sp.

Albert Pasaribu^{1**}, Chris Petrie¹, Charles D. Amsler², James B. McClintock², and Bill J. Baker¹
¹ Chemistry Department, University of South Florida, 4202 E. Fowler, SCA 400, Tampa, FL 33620
² Depart. of Biological Sciences, University of Alabama at Birmingham, Birmingham, AL 33294

4:40 Discussion

5:00 Plenary Lecture, Room 118: Illustrated Guide To The Oesper Collection

Dr. William Jensen
University of Cincinnati, Cincinnati, OH

General Section
Craig Philipp, Chair

Florida Center For Teachers
Room: 123

- 2:30 Imidazo[1,2-a] Pyridine As A Nucleophilic Organocatalyst: A Model Study**
R. Zachary Talley*, and C. Eric Ballard
Department of Chemistry, University of Tampa, 401 West Kennedy Blvd., Tampa, FL 33606-1490
- 2:45 Discussion**
- 2:50 The Art of Strategic Thinking: Learning About Organic Synthesis In A Small Peer Group Format**
Jerome K. Williams
Department of Mathematics & Sciences, St. Leo University, P.O. Box 6665, Saint Leo, FL 33574
- 3:05 Discussion**
- 3:10 Mathematics & General Chemistry: Equipping The Student Toolbox**
Jerome K. Williams
Department of Mathematics & Sciences, St. Leo University, P.O. Box 6665, Saint Leo, FL 33574
- 3:25 Discussion**
- 3:30 Infinite Networks From Nanoscale Building Blocks**
Gregory J. McManus** and Michael J. Zaworotko
Department of Chemistry, University of South Florida, 4202 E. Fowler Ave., Tampa, FL 33620
- 3:45 Discussion**
- 3:50 Principles Toward The Design of Topologically Elaborate Metal-Organic Frameworks (MOFs)**
Dorina F. Sava and Mohamed Eddaoudi
Department of Chemistry, University of South Florida, 4202 E. Fowler Ave., Tampa, FL 33620
- 4:05 Discussion**
- 4:10 Dicarboxylate Proximity Affects Steric Torsion Resulting In Diverse Metal-Organic Frameworks**
Jarrod F. Eubank and Mohamed Eddaoudi
Department of Chemistry, University of South Florida, 4202 E. Fowler Ave., Tampa, FL 33620
- 4:25 Discussion**
- 4:30 Single-Metal-Ion-Based Molecular Building Block (MBB) Approach To The Design of Metal-Organic Frameworks (MOFs)**
Jacilynn A. Brant** and Mohamed Eddaoudi
Department of Chemistry, University of South Florida, 4202 E. Fowler Ave., Tampa, FL 33620
- 4:45 Discussion**
- 5:00 Plenary Lecture, Room 118: Illustrated Guide To The Oesper Collection**
Dr. William Jensen
University of Cincinnati, Cincinnati, OH