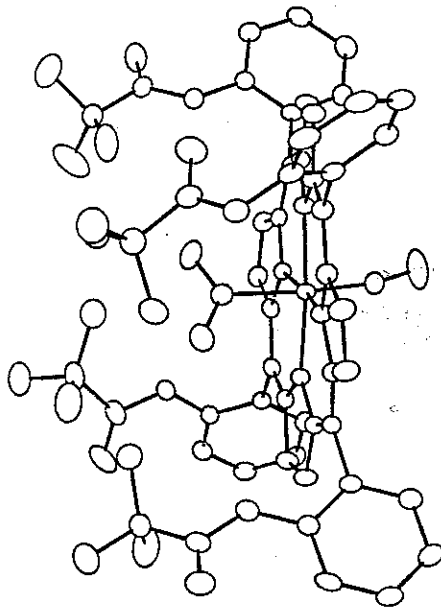


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The University of Notre Dame

Morning Session

- 8:00 - 8:55** **Welcome Reception** - Room 182 Nieuwland Science Hall
Please join us for coffee, juice, and pastries
- Hang posters in 2nd and 3rd floor hallways of Nieuwland.
- Session Chair** Dmitry V. Yandulov
- 8:55-9:00** **Opening Remarks:** Teresa J. Leader
- 9:00** **Synthesis and Characterization of Neutral and π -Cation Radical Derivatives of Iron (III) Mono- β -Oxoporphyrin.**
Teresa J. Leader, W. Robert Scheidt, Seong-Joo Kang, Ilona Turowska-Tyrk, and Charles E. Schulz
University of Notre Dame
- 9:30** **Dirhenium Complexes with Four π -Acceptor Ligands. Electrochemically Induced Isomerizations of $[\text{Re}_2\text{Cl}_2(\text{dppm})_2(\text{CO})(\text{CNxy})_3]^{2+}$.**
Yan Ding, Wengan Wu, Phillip E. Fanwick, and Richard A. Walton
Purdue University
- 10:00** **High Spin Molecules: Magnetic Properties of Tetranuclear and Hexanuclear Manganese Oxo-Aggregates.**
Guillem Aromí, Juan P. Claude, John C. Huffman, M. Knapp, D. N. Hendrickson and George Christou
Indiana University
- 10:30-12:00** Authors stand at even numbered posters
- 12:00-1:30** LUNCH
- 1:30 - 3:00** Authors stand at odd numbered posters

Afternoon Session

- Session Chair** Talia McKinney
- 3:00** **Thermal and Photochemical Properties of Cobalt (III) Sulfite Complexes. Environmental Impact on the SO_2 Oxidation Cycle**
Colleen Gibney, Maoyu Shang, and Guillermo Ferraudi
University of Notre Dame
- 3:30** **Diminishing π -Stabilization of an Unsaturated Metal Center: Hydrogen Bonding to $\text{OsHCl}(\text{CO})(\text{P}^t\text{Bu}_2\text{Me})_2$.**
Dmitry V. Yandulov, Natalia V. Belkova, Dmitry V. Khoroshun, Elena S. Shubina, D. Musaev, Lina M. Epstein, Keiji Morokuma and Kenneth G. Caulton
Indiana University
- 4:00** **Novel Photochemistry of Platinum Terpyridines.**
Joseph Michalec and David McMillin
Purdue University

POSTERS

Purdue University

1. **The Kinetics of the $\text{NH}_2\text{OH} + \text{HOBr}$ Reaction and Its Intermediates.**
Brent J. Giles, Richard C. Beckwith, and Dale W. Margerum
3. **Peripheral Sterics: A Lock on the Flattening Distortion in Cu(I) Phenanthrolines.**
Corey T. Cunningham, Kurstan L. Cunningham, and David R. McMillin
5. **Homogeneous Catalytic Hydrogenation of Aromatic Hydrocarbons and Aryl Phosphines Using Niobium(V) Aryloxyde Compounds.**
Michelle M. Salberg, Phillip E. Fanwick, and Ian P. Rothwell
8. **Olefin Metathesis at Tungsten(II) Metal Centers Supported by Aryloxyde Ligations.**
Jonathan S. Vilardo, Mark A. Lockwood, and Ian P. Rothwell
11. **[2+2+2] and [2+2+1] Cyclization Reactions Catalyzed by Titanium Aryloxydes.**
Eric S. Johnson, Phillip E. Fanwick, and Ian P. Rothwell
14. **Synthesis and Reactivity of Titanacyclopentanes and Cationic Group (IV) Complexes Supported By Aryloxyde Ligands.**
Matthew G. Thorn, Phillip E. Fanwick, and Ian P. Rothwell
16. **Titanium Aryloxyde Catalyzed Highly Regio- and Stereoselective Coupling Reactions of Dienes and Alpha-Olefins.**
Stephen A. Waratuke, Phillip E. Fanwick, and Ian P. Rothwell
19. **Group IV and Group V Metal Alkylidene and Alkylidyne Derivatives Supported by Carbazole Ligations.**
Pat Riley, Phillip E. Fanwick, and Ian P. Rothwell
21. **Reactivity of Tantalum Hydrido Aryloxydes Towards Olefins, Alkynes, and Dienes.**
Douglas R. Mulford, Janet R. Clark, Phillip E. Fanwick, and Ian P. Rothwell
23. **New Complexes Containing the $\text{Re}_2(\text{dppa})_2 4+$ core and Attempted Oligomerization of Dirhenium Complexes.**
James Chantler, Phillip E. Fanwick, and Richard A. Walton

25. **The Effects of Phosphine Basicity and Cone Angle on the Formation of $\text{Re}_2\text{Cl}_4(\text{MeO})_2(\text{PR}_3)_2$ Complexes.**
Sophia S. Lau, Ann R. Cutter, Phillip E. Fanwick, and Richard A. Walton
 27. **Preparation and Characterization of Rhenium(III) Hydrido Complexes Produced by Reactions of $\text{ReH}_4(\text{hq})(\text{PPh}_3)_2$ with Tertiary Phosphines.**
Talia M. McKinney, Phillip E. Fanwick, and Richard A. Walton
 29. **The Synthesis, Characterization, and Reactivity of Dirhenium Complexes Containing Bridging Bis(dicyclohexylphosphine)methane (dcpm) Ligands.**
Michael J. Siwajek, Phillip E. Fanwick, and Richard A. Walton
- Indiana University**
2. **Highly Electron Deficient Ru(II) complexes: $[\text{Ru}(\text{R})(\text{CO})(\text{P}^t\text{Bu}_2\text{Me})_2][\text{BAR}^+]$.**
Dejian Huang, William E. Streib, Kirsten Foltig, John C. Huffman, Odile Eisenstein, and Kenneth G. Caulton
 4. **Synthesis of a Chiral Metal Alkoxide Catalyst for Ring Opening Polymerization of Dilactide.**
Michael E. Matison and Malcolm H. Chisholm
 6. **Novel Transition-Metal Ene-Diynes.**
Alli Abraham, Pedro Benites, and Jeffrey M. Zaleski
 9. **Spectroscopic Studies of the Oxidation of $\text{Ni}(\text{cyclam})$ by KHSO_5 : Implications to DNA Modification.**
Adrienne Goerges, Hillary J. Eppley, and Jeffrey M. Zaleski
 12. **Spectroscopic Investigations of Photoactive Fe(III) Triazines.**
Tucker D. Maurer and Jeffrey M. Zaleski
 17. **Synthesis and Characterization of Polyoxovanadates and Vanadium Carboxylates.**
Ming-Hsi Chiang, John C. Huffman, Kirsten Foltig, William E. Streib, and George Christou

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Talia
Terry Fraterigo

20. **Synthesis, Structure, and Electrochemistry of the Triple-Stranded Helicate Formed from the Self-Assembly of a Bis(β -diketone) and Fe^{III}.**

Elisa Seddon, Kirsten Folling, and George Christou

24. **Synthesis, Structural Characterization and Studies of an Oxo-Bridged Dinuclear Vanadium(III) Complex.**

Craig M. Grant, Kirsten Folling, and George Christou

26. **Kinetics and Mechanisms of Dirhodium(II) Carboxylate Complexes with 2-(Hydroxyalkyl)pyridines.**

Angelica D. Brown, John C. Bollinger, John C. Huffman, and George Christou

University of Notre Dame

7. **Isomerisation Mechanisms in Metallocarboranes. Isolation of an unexpected intermediate.**

Andrew Weller, Shirley Dunn, and Alan Welch

10. **New Fe(III)-NO Porphyrins. Models for Heme Proteins in Bloodsucking Insects and Denitrifying Fungi.**

Mary K. Ellison and W. Robert Scheidt

13. **Synthesis and Characterization of Neutral and π -Cation Radical Derivatives of Iron (III) Mono- β -Oxoporphyrin.**

Teresa J. Leader, W. Robert Scheidt, Seong-Joo Kang, Ilona Turowska-Tyrk, and Charles E. Schulz

15. **High Yield Syntheses, Characterization, and Reactivities of Rhodaborane Clusters.**

Xinjian Lei, Maoyu Shang, and T. P. Fehlner

18. **Clusters in the Solid State.**

Evgeny Todorox, Virginie Queneau, and Slavi Sevov

22. **Novel Tris-(pyrazolyl)methane Complexes of Rhenium.**

Sean B. Seymore and Seth N. Brown

28. **Oxidations Catalyzed by O=Ir(mes)₃.**

Bridget R. Grant and Seth N. Brown

Restaurant Guide

- | | |
|----------------------------|--------------------------|
| 1 Damon's Place for Ribs | 9 Coaches |
| 2 The Great Wall (Chinese) | 10 Frank's Red Hots |
| 3 Parisi's (Italian) | 11 Arby's |
| 4 Mandarin House (Chinese) | 12 Schlotzky's Deli |
| 5 Chili's | 13 Fazoli's |
| 6 Nick's Patio | 14 T.G.I. Fridays |
| 7 Burger King | 15 Don Pablo's |
| 8 McDonald's | 16 L'Esparanza (Mexican) |

