

grounds that it leads in a natural way to the intermolecular exchange observed at higher temperatures.

The chemistry of these new compounds as well as some related materials²² is under active investigation. Preliminary results indicate that they possess unusual coordination preferences (SbF₆⁻ over ethanol, for instance), that they regioselectively catalyze cyclopentadiene polymerization in high yield,²³ and that they react with metal anions resulting in both dimer formation and nitrosyl transfer. These results will be reported in due course.

(22) For instance, use of the weaker donor ligand acetonitrile (AN) gives analogous chemistry when ANW(CO)₃ is combined with NO⁺BF₄⁻, although some disproportionation to give *mer,cis*-AN₂(CO)₃W(NO)⁺BF₄⁻ occurs. With NO⁺SbF₆⁻, only disproportionation is observed, so acetonitrile apparently is not a strong enough donor to stabilize the W(μ-F)SbF₅ interaction.

(23) Farahi, J.; Hersh, W. H., unpublished results.

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Supplementary Material Available: Tables of crystallographic data for **1a** including details of the solution, positional parameters, temperature factors, bond lengths and angles, least-squares planes, and observed and calculated structure factors and theoretical NMR line shapes and rates for **1b** (25 pages). Ordering information is given on any current masthead page.

Additions and Corrections

Mechanism of the Reaction of Gas-Phase Iron Ions with Neutral Olefins [*J. Am. Chem. Soc.* **1984**, *106*, 4307–4316]. D. A. PEAKE, M. L. GROSS,* and D. P. RIDGE*

Page 4314: In the paragraph titled Study of Products from Decomposition of FeC₈H₁₆⁺, we refer to the product from reaction 17 as FeC₆H₁₂⁺, a 1-hexene complex. The Fe(1-octene)⁺ gives a FeC₅H₁₀⁺ fragment which is identical with Fe(1-pentene)⁺. We apologize for any confusion this may have caused.

Nucleophilic Reactions in Solutions of Nonmicellized Hydrophobic Ammonium Ions [*J. Am. Chem. Soc.* **1984**, *106*, 7178]. GIRMA BIRESAW, CLIFFORD A. BUNTON,* CLIFFORD QUAN, and ZHONG-YUN YANG

Page 7182: Table VI footnotes are as follows. ^aValues are 10³kΨ, s⁻¹ at 25.0 °C. ^bIn H₂O:MeCN 70:30 (v/v), 0.01 M NaOH and 0.1 M **1e**. ^cIn 2.2 vol % MeCN, 10⁻³ M NaOH, 6 × 10⁻⁴ M **1e** and 6 × 10⁻³ M **1c**.

Gas Phase ¹H NMR Spectra and Nitrogen Inversion of Trimethylene Imine [*J. Am. Chem. Soc.* **1984**, *106*, 7638–7639]. B. RI. FRIEDMAN, J. PAUL CHAUVEL, JR., and NANCY S. TRUE*

The temperature dependent exchange broadened ¹H NMR spectra reported in this communication result from the *cis* = *trans* nitrogen inversion process for α-methylaziridine. They were incorrectly attributed to nitrogen inversion in the four-membered-ring azetidone. The authors thank F. A. L. Anet of UCLA for bringing this fact to their attention as well as for providing the right assignment of the spectra.