

oxalate, ferric tartrate, ferric ammonium chloride, ferric ammonium citrate, and ferric ammonium sulphate. In no instance was there any evidence of reversible conversion to ferrous salts. Only ferric oxalate showed a marked reversible change in its spectrum, and it was of the kind characteristic of polymorphic transitions:¹⁵ the high pressure form was not ferrous oxalate.

To summarize, we have failed to find any infrared evidence that ferric salts transform reversibly to ferrous ones at the pressures where Drickamer's Mössbauer measurements indicate that they do. At this stage it is not profitable to speculate on the reasons for the discrepancy, but we suggest that until the Mössbauer measurements can be repeated under nearly hydrostatic conditions it would be wise to treat the results with caution.