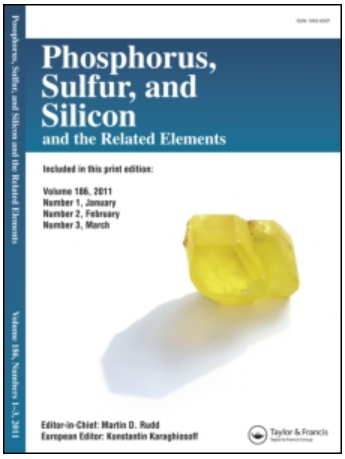

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THE AROMATICITY OF TRANSITION METAL COMPLEXES DERIVED FROM 1,2- AND 1,3-DITHIO-DIKETONES

Ulrich T. Mueller-westerhoff[a]
[a] IBM Research Laboratory, San Jose, California

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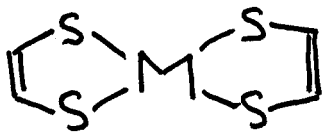
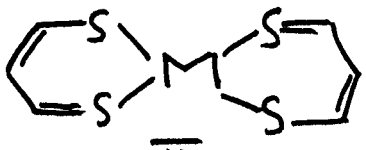
THE AROMATICITY OF TRANSITION METAL COMPLEXES DERIVED FROM 1,2- AND 1,3-DITHIO-DIKETONES

Ulrich T. Mueller-Westerhoff
IBM Research Laboratory
San Jose, California 95193

Fully conjugated cyclic transition metal complexes are potential aromatic species, showing complete cyclic delocalization of the p- and d-electrons. It was proposed earlier that such aromaticity could only be found in complexes with "even-numbered" ligands (type I), while complexes containing "odd" ligands (type II) should not show full delocalization and hence be classified as non-aromatic.



I



II

We have investigated a series of planar complexes of both types which allow us now to present data to decide upon the merit of the "even-odd" distinction.