

ABBREVIATIONS

A^1 or dipy	= 2,2'-dipyridyl
A^2 or o-phen	= 1,10-phenanthroline
A^3 or 22PBI	= 2-(2'-pyridyl)benzimidazole
A^4 or 22PI	= 2-(2'-pyridyl)imidazoline
L^1H	= acetoacetanilide
L^2H	= acetoacet-o-toluidide
L^3H	= acetoacet-o-anisidide
L^4H	= benzoatoacetamide
L^5H	= salicylamide
L^6H	= salicylanilide
L^7H	= 5-bromosalicylamide
L^8H	= 5-bromosalicylanilide
cat	= catecholate dianion
en	= ethylenediamine
$\bar{n}$	= average number of ligands bound per metal ion
pL	= negative logarithm of free ligand ion concentration
a	= $\log [1 - \bar{n} / \bar{n}]$
b	= $pL - \log [1 - \bar{n} / \bar{n}]$
σ_β	= standard deviation in the formation constant value obtained from the computer calculations