The coordination chemistry of the unusual, pyrrole-stabilised thioaldehyde molecules, 3,5-dimethylpyrrole-2-carbothioaldehyde (HSPy MeHMe) and 3,5-dimethyl-4-ethylpyrrole-2-carbothioaldehyde (HSPy MeEtMe) has been investigated with nickel, palladium and platinum in the complexes \([M(\kappa_2-SPy MeRMe)_2]\) (M = Ni, Pd, Pt; R = H, Et). The structure of the cyclometallated derivative \([Pd(\eta^2-C,N-C_6H_4CH_2NMe_2)(\kappa_2-SPy MeEtMe)]\) was determined by X-ray diffraction.

**Key words:** Mixed-Donor Ligands, Thioaldehyde, Nickel, Palladium, Platinum