Title: “Rhodium N-Heterocyclic Carbene Complexes or: How I Learned to Stop Worrying and Love Boron”

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Abstract: “In our lab, we have developed a new family of dimeric rhodium N-Heterocyclic Carbene (NHC) complexes which can be synthesized in high yields. These complexes display very high reactivity towards a variety of ligands, and as a result are competent precursors towards a variety of other NHC complexes. Due to their highly unsaturated character, these rhodium complexes display reactivity towards typically non-reactive C-H bonds. Their use as catalysts in the C-H borylation of phenyl pyridine derivatives will be presented.”