

---

## Guest Editorial

In his inaugural Editorial in January 2004, François Mathey announced plans for thematic issues of *Heteroatom Chemistry*, where “specialists will describe the latest advances in hot fields of heteroatom chemistry.” Boron was chosen to launch this initiative. It is one of the most unique and individual elements of the periodic table.

Four areas of modern boron chemistry are highlighted.

Two timely reviews bring readers up to date on novel views of aromaticity in three-membered rings, and the use of organoboron compounds to form fascinating heteroatom-containing *cyclo*-pentadienes. A third review, on the chemistry of transition metal borylene complexes ( $M = BR$ ), belongs in this issue but was inadvertently published earlier [*Heteroatom Chemistry* 2005, **16**(7), 566–572].

Four papers report new studies with carboranes that are pushing the frontiers of weakly coordinating anion chemistry. There is irony to be found here. Carbon has become an important heteroatom. One paper gives double value, advancing the coordination chemistry of boron and putting carborane anions to good use.

We hope you enjoy reading these papers. It was fun watching them come in. They set the stage for continued focus on the elements that especially fascinate us.

Chris Reed  
*University of California, Riverside*  
December 23, 2005