

$\text{Al}_{20}\text{Cp}_8^*\text{X}_{10}$ (X: Cl, Br): Snapshots of the Formation of Metalloid Clusters from Polyhedral Al_nX_m Molecules? — Compounds (III) and (VI) (yields given in g) are characterized by single crystal XRD and ^{27}Al NMR spectroscopy. (III) crystallizes in the triclinic space group $\text{P}\bar{1}$ with $Z = 2$ and (VI) in the monoclinic space group $\text{P}2_1/\text{c}$ with $Z = 4$. Both compounds have an almost regular Al_{12} icosahedron in the center consisting of four Al atoms, which are coordinated terminally by a halogen atom, and eight Al atoms, which are coordinated exclusively to an exohedral Al atom. Each of the eight exohedral Al atoms bears a CpMe_5 ligand. — (VOLLET, J.; BURGERT, R.; SCHNOECKEL*, H.; *Angew. Chem., Int. Ed.* 44 (2005) 42, 6956-6960; *Inst. Anorg. Chem., Univ. Karlsruhe, D-76128 Karlsruhe, Germany; Eng.*) — W. Pewestorf

