All-Carbon Carbodicarbene

**Significance:** The authors present the first carbodicarbene stabilized by two cyclopropenylidenes. Compound 3 is made by deprotonation of the corresponding triafulvene cyclopropenium salt and is characterized by NMR at –60 °C. The divalent electron-donating property of the center carbon on 3 is confirmed by generating main-group and transition-metal complexes.

**Comment:** A carbenoid carbon is usually stabilized by amino groups through charge delocalization. Herein the authors use a phenyl group to serve a similar purpose and the carbodicarbene, which is based solely on carbon without any heteroatom, is very impressive. The stable complexes 4–6 are all characterized by single-crystal X-ray diffraction.

**SYNFACTS Contributors:** Timothy M. Swager, Qifan Zhang

*Synfacts* 02/2016, 12(06), 0579 Published online: 17.05.2016

DOI: 10.1055/s-0035-1562150; Reg-No.: S04116SF