

---

**JACK E GRAVER**, Syracuse University

*The Fries Structures of a fullerene*

Given a fullerene, consider the Kekulé structure that gives its Fries number. The edges of this Kekulé structure that do not belong to a benzene ring turn out to be the union of the edges of the Clar chains of two distinct Clar structures. The Fries and Clar numbers will be given by the same Kekulé structure when one of these Clar structures is the one giving the Clar number. We explore the conditions under which this will occur when the paired pentagons are widely separated.