

Cover Picture

Sandra Loss, Alessandra Magistrato, Laurent Cataldo, Stefan Hoffmann, Michel Geoffroy,* Ursula Röthlisberger, and Hansjörg Grützmacher*

The cover picture shows the array of colors observed in the synthesis of the long-lived phosphorus radicals $[\text{Mes}^*\text{MeP}=\text{PMes}^*]^\cdot$ (**3**; $\text{Mes}^* = 2,4,6\text{-}t\text{Bu}_3\text{C}_6\text{H}_3$). These colors were obtained by layering a colorless solution of the electron-rich tetrakis(dimethylamino)ethylene (**2**) in acetonitrile onto a yellow solution of the phosphonium salt $[\text{Mes}^*\text{MeP}=\text{PMes}^*]^+[\text{O}_3\text{SCF}_3]^-$ (**1**) in acetonitrile. An immediate intense green color characteristic of solute **3** formed at the phase boundary. At the same time orange-red crystals of **3** appeared and deposited on the walls of the container. The red color denotes the formation of the radical cation $[(\text{Me}_2\text{N})_3\text{C}_2]^\cdot+$. More about this reaction, which has allowed the first isolation of diphosphanyl radicals, is described by Geoffroy, Grützmacher, and co-workers on page 723 ff.

