

Cover image: The structure of dihydrogen (yellow) bound to tungsten in $W(H_2)(CO)_3[P(i-C_3H_7)_3]_2$ (gray, C; red, O; magenta, P). Determined in 1984 by Kubas *et al.*, this was the first well defined example of a stable three-center “sigma complex,” the first step in breaking strong bonds such as H–H and C–H (lower equation). See the Perspective by Kubas on pages 6901–6907. Image courtesy of Gregory Kubas, Brian Scott, and Josh Smith (Los Alamos National Laboratory).

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