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The single and double ...

... N–H bond activation of ammonia is described by H. Schwarz and co-workers in their Communication on page 9513 ff. They show that if $[\text{Al}_2\text{O}_3]^+$ is allowed to take a bath in ammonia, the problem of the room-temperature generation of nitrene is solved—single hydrogen-atom transfer and double hydrogen abstraction occur, and NH_2 and NH bubble like an aspirin pill in water. Mass spectrometric and theoretical investigations confirm these results.

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