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Joachim Schwermer* (Joachim.schwermer@univie.ac.at), Faculty of Mathematics, University of Vienna, Nordbergstrasse 15, A 1090 Vienna, Austria, and **Della D. Fenster**. *Claude Chevalley's "elements ideaux" - a new concept in number theory*. Preliminary report.

In June 1935, in a letter to H. Hasse, Claude Chevalley laid out a new approach to local and global class field theory by introducing his concept of "elements ideaux". This letter marks the beginning of an important development in number theory. In this talk, we briefly discuss the impact of Chevalley's idea in the 1940's. (Received September 14, 2010)