

# GENEALOGY DATABASE ENTRY

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Thiele, Friedrich Karl Johannes

1865 - 1918

DEGREE: PhD

DATE: 1890

PLACE: Halle

TEACHER/RESEARCH ADVISOR: Volhard

major contributor to our knowledge of nitrogen compounds, esp. on derivatives of hydrazine and guanidine, leading to the discovery of numerous new compounds and synthetic processes; prepared nitramide ( $\text{NH}_2\text{NO}_2$ ), which is isomeric with hyponitrous acid ( $\text{H}_2\text{N}_2\text{O}_2$ ), and was the first example in inorganic chemistry of compounds with identical molecular formulas but different properties; added to the theory of unsaturated organic molecules by proposing the concept of conjugation; synthesized five- and seven-membered ring compounds containing nitrogen; during WWI, developed a gas mask against CO; discovered fulvene and synthesized indene.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 13, p337-338.
2. Partington, J. R. *A History of Chemistry*; Macmillan: 1964; vol. 4, p847-848.
3. *Chem. Ber.* **1927**, 60, 75A-132A.