GENEALOGY DATABASE ENTRY

Haber, Fritz 1868 - 1934

DEGREE: PhD DATE: 1891 PLACE: Techn. Hoch. Berlin
TEACHER/RESEARCH ADVISOR: Liebermann

Nobel Prize in 1918 for the discovery of the Haber process - the synthesis of ammonia from nitrogen and hydrogen; investigated the combustion of hydrocarbons and the water-gas equilibrium in the Bunsen flame; studied many aspects of electrochemistry, including electrolytic oxidation and reduction and the electrolysis of solid salts; worked on the glass electrode, on the velocities of electrode processes, and on gas and carbon cells; wrote the classical textbook *Thermodynamics of Technical Gas Reactions*; studied the emission of electrons during chemical reactions, the physical meaning of chemi-luminescence, and the applications of spectroscopic methods to the analysis of the processes of combustion; during WWI, as the head of the German Chemical Warfare Department, was responsible for the use of poison gas as a weapon.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 5, p620-623.
2. *Neue Deutsche Biographie*; Duncker & Humblot: 1953-1990; vol. 7, p386-389.
3. Goran, M. *The Story of Fritz Haber*; Univ. of Oklahoma Press: 1967.
4. *J. Chem. Ed.* **1937**, *14*, 203-207.
5. *J. Chem. Ed.* **1931**, *8*, 1-3.
6. *J. Chem. Soc.* **1939**, 1642-1672.
7. *Nature* **1934**, *133*, 349-350.
8. *Ber.* **1934**, *67A*, 20-23.
9. *Z. Elektrochem.* **1928**, *34*, 797-803.
10. *Z. Elektrochem.* **1934**, *40*, 113-115.
11. *Nobel Laureates in Chemistry 1901-1992*; James, L. K., Ed.; American Chemical Society: 1993; p114-123.