

# GENEALOGY DATABASE ENTRY

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Kohlrausch, Friedrich Wilhelm Georg

1840 - 1910

DEGREE: PhD (physics)

DATE: 1863

PLACE: Göttingen

TEACHER/RESEARCH ADVISOR: Weber, W. E.

electrochemist; proposed idea of molar conductivity; first to apply alternating currents to electrochemistry; co-discovered fundamental law of electrolytic conductivity; first to determine mobilities of ions in solution; determined magnitude of horizontal component of earth's magnetic field; with Weber established ratio of electromagnetic to electrostatic unit of electric quantity; established absolute value of the *Siemens* unit of electrical conductivity.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 7, p449-450.
2. Partington, J. R. *A History of Chemistry*; Macmillan: 1962; vol. 4, p670-671.
3. *Proc. Roy. Soc.* **1911**, 85, xi-xiii.
4. *Chem. Ber.* **1910**, 43, 269-270.
5. *A Biographical Dictionary of Scientists*; Williams, T. I., Ed.; Wiley: 1969; p296.
6. *Nature* **1910**, 82, 402-403.
7. *Neue Deutsche Biographie*; Duncker & Humblot: 1953-1990; vol. 12, p430-431.