

GENEALOGY DATABASE ENTRY

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Weber, Wilhelm Eduard

1804 - 1891

DEGREE: PhD (physics)

DATE: 1826

PLACE: Halle

TEACHER/RESEARCH ADVISOR: Schweigger

co-invented telegraph; anticipated Maxwell's Laws; invented mirror galvanometer; discovered elliptical motion of individual liquid molecules during wave propagation; studied flow of liquids in tubes; developed first quantitative methods to measure voltages and resistances; proposed theory of ferromagnetism assuming that every iron atom is a *molecular magnet*.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 14, p202-209.
2. *A Biographical Dictionary of Scientists*; Williams, T. I., Ed.; Wiley: 1969; p545.
3. Asimov, I. *Asimov's Biographical Encyclopedia of Science and Technology (2nd Ed.)*; Doubleday: 1982; p356.
4. *Proc. Am. Acad. Arts Sci.* **1893**, 27, 449-450.
5. *Nature* **1891**, 44, 229-230.