

GENEALOGY DATABASE ENTRY

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Edlund, Eric

1819 - 1888

DEGREE: PhD (physics)

DATE: 1845

PLACE: Uppsala

TEACHER/RESEARCH ADVISOR: Svanberg

investigated fluid motion, polarization of light during a total eclipse, and thermal phenomena accompanying changes in volume of solids; studied electricity, describing a method of simultaneously transmitting messages in opposite directions along the same telegraph wire; investigated the heat given off by induction currents; studied electromotive forces generated when two different metals are put in contact; investigated the resistance of arc lamps; developed a theory of atmospheric electricity to explain the phenomenon of northern lights.

FOOTNOTE: Edlund studied with Weber in Leipzig for two years after obtaining his PhD.

1. *Electrician* **1888**, 21, 595-596.
2. *La Lumière Électrique* **1888**, 29, 632-633.
3. *Leopoldina* **1888**, 24, 169-170.
4. *Svenskt Biografiskt Lexikon*; Albert Bonniers: 1918-1985; vol. 12, p161-166.
5. *Humboldt Monatschr. Gesamt. Naturwiss.* **1888**, 7, 403.
6. *Stockh. Vet. Akad. Lefnadsteckn.* **1886-94**, 5, 281-305.
7. *Helsingfors. Öfvers.* **1889**, 31, 247-264.
8. Personal communication from Prof. Anders Lundgren at Uppsala: verified research advisor directly from Edlund's dissertation.