

GENEALOGY DATABASE ENTRY

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Van Vleck, John Hasbrouck

1899 - 1980

DEGREE: PhD

DATE: 1922

PLACE: Harvard

TEACHER/RESEARCH ADVISOR: Kemble

Nobel Prize 1977; largely responsible for modern quantum mechanical theory of magnetism; first to recognize importance of second order Zeeman effect in paramagnetism; co-developed ligand field theory of molecular bonding; showed how magnetic susceptibilities of metal complexes are related to ligand field strength; theoretical studies of ions, molecules, paramagnetic relaxation, and EPR.

1. *McGraw-Hill Modern Scientists and Engineers*; McGraw-Hill: 1980; vol. 3, p251-252.
2. Asimov, I. *Asimov's Biographical Encyclopedia of Science and Technology (2nd Ed.)*; Doubleday: 1982; p767.
3. See *Phil. Mag.* **1922**, 44, 842 and *Phys. Rev.* **1923**, 21, 653 for confirmation of PhD advisor.
4. *Boston Globe* **1980**, Oct. 28 issue.
5. *Prix Nobel*; P. A. Norstedt & Soener: 1977; p61-77.