

# GENEALOGY DATABASE ENTRY

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Lennard-Jones, John Edward

1894 - 1954

DEGREE: PhD

DATE: 1924

PLACE: Cambridge

TEACHER/RESEARCH ADVISOR: Fowler

theoretical chemist and physicist, contributed to the determination of interatomic and intermolecular forces, the quantum theory of molecular structure, and the statistical mechanics of liquids, gases, and surfaces; determined a semiempirical interatomic force law - the potential energy function corresponding to this force law is known as the Lennard-Jones potential; studied critical phenomena and the equation of state of liquids and dense gases; first to explain the paramagnetism of oxygen in terms of MO theory.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 8, p185-187.
2. *Biog. Mem. Fell. Roy. Soc.* **1955**, *1*, 175-184.
3. *J. Chem. Soc.* **1955**, 1047-1048.
4. *Proc. Phys. Soc. A* **1954**, *67*, 1128-1129.
5. *Proc. Phys. Soc. B* **1954**, *67*, 916-917.
6. *Proc. Roy. Soc. London A* **1954**, *221*, 145.
7. *Dictionary of National Biography*; Smith, Elder & Co.: 1908-1986; (1951-1960), p621-622.