

GENEALOGY DATABASE ENTRY

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Sienko, Michell Joseph

1923 - 1983

DEGREE: PhD

DATE: 1946

PLACE: Berkeley

TEACHER/RESEARCH ADVISOR: Latimer/Eastman

investigated problems in solid state inorganic chemistry, esp. electrical and magnetic properties of tungsten bronzes, metal-ammonia systems, and the layered dichalcogenides; elucidated principle that removal of oxygen from a transition metal oxide framework is directly related to insertion of donor metals; discovered metal-nonmetal phase transitions in tungsten and vanadium bronzes; developed foundation of modern picture of electron transport in nonstoichiometric metal oxides; investigated relationship between superconductivity and chemical structure.

1. *Cornell Chronicle* **8Dec1983**.
2. Biographical information provided by Cornell Chemistry Department (16Nov93).
3. *J. Solid State Chem.* **1984**, *54*, 291-296.
4. *Chem. Eng. News* **1984**, *62(5)*, 34.