

NORTHEASTERN BRANCH ABSTRACTS

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Soil Science Research

Presiding: Thomas Sims, University of Delaware

Soil and Environmental Chemistry Research in the
Northeastern USA: Challenges and Opportunities for
the 1990's. D. L. SPARKS*, Univ. of Delaware.

Without question, soil chemistry research in the Northeastern USA should and will focus on an array of environmental topics in the decades ahead. These include: fundamental research on the mobility, retention and mechanisms of metals, radionuclides, and organics in soils; understanding the chemistry of municipal and industrial wastes, byproducts, and coproducts; and, studies on decontamination of soils including long-term desorption studies. To make advances in these areas and help solve important environmental problems, we must successfully train first-rate graduate students and interact with scientists in academe, industry and government in an array of disciplines. Additionally, we must employ state-of-the art surface microscopic and spectroscopic techniques and conduct kinetic studies to make significant progress in these areas.

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