

Abstract Submitted  
for the MAR08 Meeting of  
The American Physical Society

**Superconducting Properties of Al-Eu Alloys** J. P. BYCHOWSKI, A. ORLOV, G. SNIDER, S. T. RUGGIERO, University of Notre Dame — We discuss the superconducting properties of Al-Eu alloys with Eu concentrations in the range of 0-5000ppm. The electron-transport and tunneling properties are discussed in the context of Abrikosov-Gor'kov pair-breaking and Kaiser resonant-scattering theories. This complements previous work on the Al-Mn system.

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Date submitted: 27 Nov 2007

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