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**Phoebe H McLaughlin\*** (pmclaughlin@ucmo.edu), Dept. of Mathematics and Computer Science, Univ. of Central Missouri, Warrensburg, MO 64093, **Shing So** (so@ucmo.edu), Dept. of Mathematics and Computer Science, Univ. of Central Missouri, Warrensburg, MO 64093, and **Haohao Wang** (hwang@semo.edu), Dept. of Mathematics, Southeast Missouri State Univ., Cape Girardeau, MO 63701. *On Compact Connected Mobs*. Preliminary report.

Properties of ideals in topological and algebraic semigroups have been studied in various ways. In this paper, we present some results concerning the relationships between connected ideals in compact semigroups. (Received September 19, 2007)