1058-08-20 **Peter Mayr*** (stein@cii.fc.ul.pt), Centro de Algebra de Universidade de Lisboa, Av. Prof. Gama Pinto 2, Lisbon, 1649-003, and **Erhard Aichinger** (erhard@algebra.uni-linz.ac.at), Department of Algebra, JKU Linz, Altenberger Strasse 69, 4040 Linz, Austria. *On finitely related clones.* Preliminary report.

A clone is a collection of finitary functions on a set that contains all projection maps and is closed under composition. If a clone is determined by finitely many invariant relations, we call it finitely related. For example, on a finite set the clones containing a near-unanimity operation are finitely related by the Baker-Pixley Theorem.

In 1999 Pawel Idziak asked whether there exists a finite set with uncountably many clones containing a Mal'cev operation and all constant operations. For proving that the answer is no it would suffice to show that every such clone is finitely related. We report on recent progress on that problem and present some new classes of clones that are finitely related. (Received December 18, 2009)