1035-20-547 **Luise-Charlotte Kappe*** (menger@math.binghamton.edu), Department of Mathematical Sciences, SUNY at Binghamton, Binghamton, NY 13902-6000, and **David Garrison**. *On Some Subnormality Conditions in Metabelian Groups.*

We consider the group theoretical properties B(n), having all cyclic subgroups n-subnormal, U(n), having all subgroups n-subnormal, and U(n,m), having all class m subgroups n-subnormal, and investigate the interdependencies of these properties for n = 2 and for n > 2 in the case of metabelian groups. It is shown that U(2,2) = U(2) for non-torsion groups. With the help of GAP we give an example of a torsion group in U(2,2) which is not in U(2). For n > 2 we show that for metabelian non-torsion groups without elements of order p < n, we have B(n) = U(n), if n+1 is not a prime, and B(n) = U(n,n-1) in case n+1 is prime, and there exists a metabelian non-torsion group in this case which is in U(n,n-1) but not in U(n). For metabelian torsion groups we show that B(n) = U(n,n-1), if the group does not contain elements of order p < n+1. With the help of GAP we provide various examples showing that under our assumptions U(n) is a proper subclass of U(n,n-1) and the restrictions on the element orders cannot be dispensed with. (Received September 10, 2007)