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G. Alan Cannon (lkabza@selu.edu), 500 Western Ave., Hammond, LA 70402, Lucyna Kabza* (lkabza@selu.edu), Department of Mathematics, Southeastern Louisiana University, Hammond, LA 70402, C. J. Maxson (lkabza@selu.edu), 500 Western Ave., Hammond, LA 70402, and Kent M. Neuerburg (lkabza@selu.edu), 500 Western Ave., Hammond, LA 70402. Rings and Covered Groups II.

For a finite group G with a cover by abelian subgroups, consider the ring of functions that act as endomorphisms on each subgroup in the cover. Properties of this ring are explored. In particular, conditions for and consequences of simplicity are investigated. (Received September 24, 2012)