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**H. E. A. Eddy Campbell\*** (eddy@unb.ca), Sir Howard Douglas Hall, 3 Bailey Drive, Fredericton, NB E3B 5A3, Canada, and **David L. Wehlau** and **R J Shank**. *Modular Invariant Rings of Elementary Abelian  $p$ -Groups*.

This is work with Jim Shank and David Wehlau that appeared in Transformation Groups, V18, No. 1, 2013, together with a sequel still in progress. We studied rings of invariants of elementary Abelian  $p$ -groups in characteristic  $p$ . We parameterized all 2 and 3 dimensional representations. We are able to compute the associated invariant rings for all 2 dimensional representations and for 3-dimensional representations for such groups of rank at most 3. These rings are complete intersections of embedding dimension of at most 5. We conjecture that all 3-dimensional representations of an elementary Abelian group of rank  $r$  are complete intersections of embedding dimension at most  $\lceil r/2 \rceil + 3$ . (Received August 17, 2014)