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**Stephen Humphries.** *Fusions of Character Tables and Schur rings of Dihedral Groups.*

A finite group  $H$  is said to fuse to a finite group  $G$  if the class algebra of  $G$  is isomorphic to a subring of the class algebra of  $H$ . In this case, the classes and characters of  $H$  can fuse to give the character table of  $G$ . We investigate the case where  $H$  is the dihedral group. In most cases,  $G$  can be completely determined. In general,  $G$  can be proven to have many interesting properties. The theory is developed in terms of S-rings of Schur and Wielandt. (Received November 01, 2007)