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D.A. c/o Department of Entomology, British Museum (Nat. Hist.), Cromwell Road, London SW7 5BD.

B.B. Department of Entomology, British Museum (Nat. Hist.), Cromwell Road, London SW7 5BD.

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 REVIEW

FAUNA ENTOMOLOGICA SCANDINAVICA. VOLUME 20. THE AQUATIC ADEPHAGA (COLEOPTERA) OF FENNOSCANDIA AND DENMARK. 1. GYRINIDAE, HALIPLIDAE, HYGROBIIDAE AND NOTERIDAE. By MOGENS HOLMÉN. E.J. BRILL/Scandinavian Science Press Limited, Leiden & Copenhagen; 168 pages, 288 figures, 1 plate. Hardback. 1987. Price 64 Guilders (US \$32).

This important work treats 13 species of Gyrinidae, 21 species of Haliplidae and 2 species of Noteridae. Of these 36 species 34 were mentioned by Lindroth (1960) and 35 by Silfverberg (1979) (*Gyrinus pullatus* Zaitsev and *G. colymbus* Erichson omitted by the former and *G. colymbus* by the latter). All North European species of the four families are included, adding a further 3 species of Gyrinidae, 1 species of Hygrobiidae and 1 species of Haliplidae. All taxa are keyed, described and illustrated, with notes on adult and larval morphology, ecology, biology and distribution. Some additional provincial records are added for the species in Lindroth (1960). In addition lectotypes are designated for 7 species and two new synonymies are established.

The monograph comprises 9 sections. The short introduction or abstract describes the contents and nomenclatural conclusions reached by the author, followed by the acknowledgements. Classification and family characteristics with keys to the larvae and adults of adephagan families are given in the next section. Then follows "State of knowledge and distribution" which also deals briefly with the material studied. Recently much information on the biology and distribution of these groups has been provided because of the increased interest in freshwater habitats and their protection but even though more than 200,000 specimens have been examined in the present study, there are still obvious gaps in the distribution, especially in Norway and in the northern parts of Fennoscandia.

Next are 4 major sections dealing with each family in turn, representing the bulk of the work (150 pp.). For each family, information on the morphology of the adults, larvae,