

- Kettlewell, H. B. D. 1955b. Recognition of appropriate backgrounds by pale and black phases of the Lepidoptera. *Nature* **175**: 943.
- Kettlewell, H. B. D. 1956. Further selection experiments on industrial melanism in the Lepidoptera. *Heredity* **10**: 287–301.
- Kettlewell, H. B. D. 1973. *The evolution of melanism*. Oxford: Clarendon Press.
- Majerus, M. E. N. 1989. Melanic polymorphism in the peppered moth, *Biston betularia*, and other Lepidoptera. *J. Biol. Educ.* **23**: 267–284.
- Mani, G. S. 1990. Theoretical models of melanism in *Biston betularia*—a review. *Biol. J. Linn. Soc.* **39**: 355–371.

## SHORT COMMUNICATION

### *Bryoporus rugipennis* Pandellé (Coleoptera: Staphylinidae) in Northern England.—

This rare montane beetle is mostly known from the north of Scotland, but it has also now been found at three English localities. Day (1923) mentions a record by Donisthorpe from Skiddaw, and K. Houston collected four females in pitfall traps at Cow Green, Upper Teesdale, County Durham in 1967 and 1968. The site is now under the reservoir. These four were identified for Houston by R. C. W. in 1974, but the record has never been published. Two were found in “*Calluna* grassland on glacial drift overlying Melmerby Limestone” (NY814303), the other two in *Festuca ovina* L. grassland (NY814303). The traps were in operation from late May to late July.

More recently, a single specimen was found by K. N. A. A. in an area of blanket peat bog at 670 m on the summit ridge about Scar Craggs (NY207206), to the west of Causey Pike in the Derwent Fells, Cumbria, 29.vii.1992. The vegetation here is of a typical undegraded high level blanket bog type, with a good cover of the dwarf shrubs *Calluna vulgaris* (L.) Hull, *Vaccinium myrtillus* L., and *Empetrum nigrum* L., plus some *V. vitis-idaea* L., within a matrix of *Eriophorum* and *Juncus squarrosus* L.

The information gathered for the forthcoming *Review of the scarce and threatened Coleoptera of Great Britain, Part 2* (Mark Parsons, pers. comm.) so far includes recent Scottish records only from Mid-Perth, S. Aberdeen, Easterness and Wester Ross vice-counties, with older records additionally from Stirlingshire and Elgin. Another unpublished record known to R. C. W. is of three taken in water traps by David Horsfield on 11.vii.1982, at Meall a'Chrasgaith (NH186734) Fannich Hills SSSI, Wester Ross. The traps were placed on “rocky *Rhacomitrium* heath” at 883 m altitude. It is also worth noting that R. C. W. never came across *B. rugipennis* himself during several years of intensive collecting in the Cairngorms and sorties to many other Scottish peaks. R. C. W. also identified all the Staphylinidae collected by R. Goodier in Snowdonia and no specimens of *B. rugipennis* were discovered.

K. N. A. A. would like to thank John Owen for his identification of the specimen of *B. rugipennis* and Mark Parsons for access to the as yet unpublished national review.—Keith N. A. Alexander, National Trust, 33 Sheep Street, Cirencester, Gloucestershire GL7 1QW, and R. C. Welch, Institute of Terrestrial Ecology, Monks Wood, Abbots Ripton, Huntingdon, PE17 2LS.

## REFERENCE

- Day, F. H. 1923. The Coleoptera of Cumberland, Part III. *Trans. Carlisle Nat. Hist. Soc.* **3**: 70–107.



Alexander, Keith N. A. and Welch, R. Colin. 1994. "Bryoporus rugipennis Pandelle (Coleoptera: Staphylinidae) in northern England." *British journal of entomology and natural history* 7, 52–52.

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