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OF THE
Cotteswold Naturalists'
FIELD CLUB
(SESSION 1910—11)

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APPENDIX

NEW LAMELLIBRANCHS (GERVILLIA AND PERNA)
FROM THE NÆRAN BEDS

By E. TALBOT PARIS, F.C.S.

[Plate XXVII.]

During my work in connection with the revision of the lamellibranchs from the Lower and Middle Jurassic Rocks of Britain, it has not been found possible to identify certain species of *Gervillia* and *Perna* from the Næran Beds of the Chipping Norton District with any described forms. Hence they are dealt with in this Appendix.

GERVILLIA ENSTONENSIS sp. nov. Pl. XXVII., fig. 2.

Description (Left valve only,—Left valve moderately convex, with a subovate outline. The hinge-margin is $\cdot 73$ of the length of the shell (measured parallel to the hinge-line). Anterior and posterior extremities rounded.

Remarks.—From *Gervillia ovata* (Sow.) this species differs in being less elongate, and less curved. The posterior extremity is not so pointed, and the antero-ventral margin is straighter than in that species.

The form identified with *Gervillia ovata* (Sow.) by Morris and Lycett (Monogr. Mollusca Gt. Ool., pt. II., p. 22, and tab. II., figs. 12 and 12a) appears to resemble this species. It has, however, a more evenly rounded-ventral margin and a more pointed posterior extremity. The hinge-margin also is slightly concave, whereas in *G. enstonensis* it is straight.

The holotype is from the Fossil-Bed (14) of the Bell-Inn Quarry, Enstone, Oxfordshire.

GERVILLIA RICHARDSONI sp. nov. Pl. XXVII.,

Figs. 3a and b.

Description.—A very high subquadrate shell, with a short hinge-margin. The anterior margin is slightly concave, making with the cardinal margin, an apical angle of about 60°. The posterior margin is straight, but curved round at its dorsal end into the cardinal margin—making with it, roughly speaking, an obtuse angle. The hinge-area has about six transverse sulcations, the distance between any two sulcations being equal to the width of one of them.

Remarks.—This species is closely allied to *Gervillia bathonica* Morris and Lycett, but differs therefrom in having a greater apical angle.

The holotype (figured on Pl. XXVII., figs. 3a and b) is in Mr Richardson's collection and is from the Neæran Beds (probably Bed 18) of Sharp's-Hill Quarry, near Hook Norton, Oxfordshire.

PERNA OXONIENSIS sp. nov. Pl. XXVII., figs. 1a, b, c and d.

Description.—Shell with a subtriangular outline; cardinal margin very long, being extended posteriorly to form an acuminate posterior wing. Anterior extremity pointed. The anterior margin is concave immediately below the umbo, making an angle of 60° to 70° with the hinge-line; posterior margin concave.

The shell is inæquivalve, the left valve being more convex than the right especially towards the umbo. The umbo of the right valve is not prominent.

The hinge-area is wide and has five or six deep ligamentary grooves.

Remarks.—The length of the hinge margin, the pointed posterior wing, and the subtriangular form of the shell, distinguishes this species from *Perna rugosa* Münster, *P. rugosa* var. *quadrata* Morris and Lycett, and from *P. mytiloides* Lamarck. The hinge-margin is also relatively longer than in *P. obliqua* Lycett—the latter species being narrower anteriorly and having a narrower hinge-area with more numerous sulcations.

The holotype (Pl. XXVII., figs. 1a, b, c, and d) is from the *Perna*-Bed of the Bell-Inn Quarry, Enstone, and is in Mr Richardson's collection.

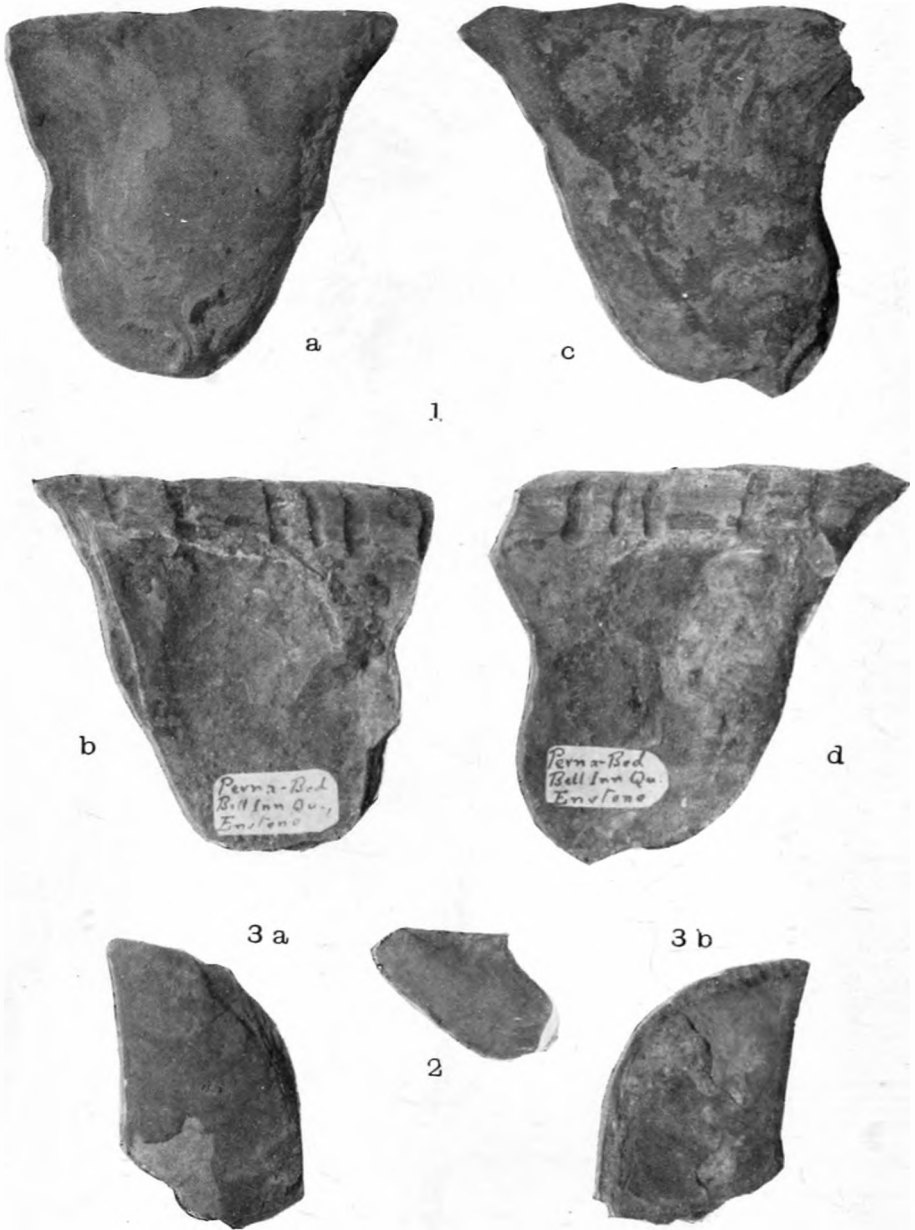


Photo. E. T. Paris.

LAMELLIBRANCHS FROM THE NEÆRAN BEDS

EXPLANATION OF PLATE XXVII.

Figs. 1a-d. *Perna oxoniensis* sp. nov.

1a right valve—exterior 1b right valve—interior

1c left valve—exterior 1d left valve—interior

Perna-Bed, Neæran Beds, Bell-Inn Quarry, Enstone, Oxfordshire.

Fig. 2. *Gervillia enstonensis* sp. nov.

Fossil-Bed (14), Neæran Beds, Bell-Inn Quarry, Enstone.

Figs. 3a and b. *Gervillia richardsoni* sp. nov.

Bed 18 (probably), Neæran Beds, Sharp's Hill Quarry, near Hook Norton, Oxfordshire.

All the specimens are in Mr L. Richardson's collection.

The figures are .95 natural size.