ON SOME FRESH-WATER SHELLS FROM THE ISLAND OF KOLGUEV.

By EDGAR A. SMITH, F.Z.S., etc.

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"As Kolguev Island lies but fifty miles off the coast of Arctic Europe it may fairly be regarded as European. A glance at the map will show that it is the only island in that part of the Arctic Ocean known as Barents Sea."

Mr. A. Trevor-Battye, from whose book, "Ice-bound on Kolguev," I have quoted the above paragraph, did not collect any terrestrial or fresh-water molluscs during his expedition in 1894, his attention being more devoted to botany, birds, and mammals. Colonel H. W. Feilden, the well-known Arctic naturalist, was, however, during his visit in 1895, successful in finding the following three species of fresh-water shells, the first recorded from the island. Although no land-shells have as yet been discovered, it is very probable that some species of Zonitidæ and Pupidæ may occur, such forms apparently being capable of enduring an Arctic climate.

Colonel Feilden also obtained a few marine forms. They are not, however, of any special interest, belonging to well-known boreal forms of *Buccinum*, *Littorina*, *Astarte*, *Cardium*, and *Mytilus*.

The three fresh-water species are—

1. *LIMNÆA PALUSTRIS*, Müller.

Var. *terebra*. Westerlund, Fauna Paläarct. Region, Theil 2, p. 46.

Hab.—Kriva River (Feilden).

In these specimens the spire is often much produced, the whorls are very convex, and the surface, when cleaned, has a silky appearance. The lines of growth are fine and oblique, and interrupted by somewhat distant, impressed spiral lines, producing a more or less reticulated appearance. All the specimens have the apex eroded; and the largest, consisting of four remaining whorls, is 22 mm. in length.

2. *LIMNÆA OVATA*, Draparnaud.

"Var. nova.—Præcipue notabilis, spira elongata, crassa, contorta, sutura impressa, pone aperturam obliqua, anfractu antepenultimo tumido-convexo, ultimo ventroso, infra levissime attenuato, subrotundato." (Westerlund in litt.)

Hab.—Valley of the Gobista River (Feilden).

Mr. C. A. Westerlund, who kindly gave me his opinion upon these species, was unable to identify these specimens with any known form of this species; I therefore suggest the name *Kolguevensis* for this variety. It is very unlike the typical form, the greater length of the spire and the tumidity of the penultimate whorl being very remarkable.

Limnæa ovata
var. *Kolguevensis*.

3. *PLANORBIS BOREALIS* (Lovén), Westerlund.

P. borealis, Lovén, Westerlund, Mal. Blät. 1874, vol. xxii, p. 112, pl. ii, figs. 23-5; Fauna Paläarct., Theil 2, p. 80.

Hab.—Kriva River (Feilden).