the species is readily distinguished by its having all the spots large and white, with no black pupils; they are usually roundish subquadrate and those of the same series nearly coalesce to form a continuous band. California.

2. N. Antiacis (Lyaena Antiacis Boisd., Lyaena Mertila Edw.) The blue of the upper surface of the wings in the male of this species is much less pruinose than in the following two species, although it occasionally varies toward them in this respect; the normal rolor, however, is a deep violet and the black border of the wings is of the same depth of color and narrowness of extent as in those species. The upper surface of the female is almost entirely brown with a few scattered blue scales near the base of the wing running out toward the middle. Beneath, the wings closely resemble those of N. Couperi, but the sprinkling of hoary scales is nearly uniform over both wings. California.

Lyc. Mertila Edw. seems to me clearly referable to this species, since the only part of the description which does not fit it is the statement that, on the underside of the fore wings, "from the are" (or transverse bar at the apex of the cell) "a whitish ray runs toward the base."

N. COUPERI (Glaucopsyche Couperi Grote; Lycana Pembina Edw. [Syn., nec. Proc. Phil. Acad.]* Lycaena Lygdamus Doubl. [List Brit. Mus. nec Entom.]) This species closely resembles the following, with which it has often been confounded; the two, indeed, would perhaps be universally considered geographical races of a single species, were they known to meet anywhere on common ground. The upper surfaces of the wings of the males of the two species appear to agree altogether. upper surface of the wings of the female of this species is brown, rather heavily suffused with corrulean blue on the fore wings as far forward as the upper limits of the cell, and to an equal distance toward the outer border; on the hind wings, the blue scales are more generally diffused, but in much less abundance. Beneath, the spots are much smaller than in N. Lygdamus, sometimes reduced on the hind wing to the merest black specks encircled with white; and the ground color is obscured, especially on the hind wing, by a rather abundant powdering of grayish hoary scales.

^{*} A prolonged study of all the species of N. American blues leads me to the conclusion that the true Lyc. Pembina Edw. has been twice redescribed; under the names L. Lyca Edw. and L. Rapahoc Reak.