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ALKALOIDS OF THE EPIGEAL ORGANS OF *Hippeastrum equestre*

D. A. Murav'eva and Abul Hasan Mahbub Alam

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From the total bases obtained by chloroform extraction from the epigeal organs of *Hippeastrum equestre* Herb. (family Amaryllidaceae) (2 kg) collected in the Peoples' Republic of Bangladesh in the flowering period, on the basis of solubility differences in organic solvents, we have isolated 2.36 g of lycorine [1], 0.30 g of galanthine [2], and 0.28 g of galanthamine [3]. Chromatography of the residual material on a column of type KSK silica gel using as solvents mixtures of chloroform and methanol with successive increases in the concentration of methanol has yielded 0.54 g of hippeastrine [4], 0.76 g of tazettine [1], 0.40 g of hemanthamine [5], and 0.32 g of a base (III) with mp 243–245°C (decomp, methanol) The identification of the compounds mentioned was carried out with the aid of the determination of physicochemical constants, thin-layer chromatography, and UV, NMR, andmass spectroscopy.

This is the first time that any of the alkaloids mentioned has been isolated from the epigeal organs of *Hippeastrum equestre*.

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