

PLATE XIV.

FIG. 1. *Diorite-porphyrte*, coarse grained. The hornblende is represented by heavy shading; the feldspar is lightly shaded. An attempt is also made to represent the zonal structure and decayed cores of the phenocrysts. The quartz is unshaded and the magnetite is dead black. Spec. 608. $\times 37$ diam.

FIG. 2. *Diorite-porphyrte*, fine-grained. The shading is the same as in Fig. 1; it shows in addition a well marked flow-structure, and quartz as phenocryst; the quartz in the groundmass is not represented, nor are the feldspar individuals distinguished. $\times 30$ diam.