PLATE 83   ADDISONIA

A. GYMNOCALYCIUM MULTIFLORUM

B. GYMNOCALYCIUM MOSTII

A. GYMNOCALYCIUM MULTIFLORUM

Many-flowered Gymnocalycium

Native of Argentina

Family CACTACEAE CACTUS Family

Echinocactus multiflorus Hook. Bot. Mag. *pl. 4181.* 1846.
Gymnocalycium multiflorum Britton & Rose.

Plants solitary or growing in clumps up to 10 individuals, each one and one half to five inches in diameter, usually globose but sometimes depressed or short-cylindric. The ribs are ten to fifteen, broad and rounded, with low tubercles, each with a small chin below its spine-cluster; the areoles are only a few to each rib, elliptic, sometimes two fifths of an inch long; the spines are five to ten in a cluster, all radial, yellow, sometimes brownish or reddish at base, subulate, spreading, often recurved, the longest sometimes over an inch long. The flower-bud is ovoid, and covered with imbricate scales; the expanded flowers are short-campanulate, pinkish to nearly white; the scales on the calyx-tube are broad, rounded, naked in their axils. The stamens and style are included; the stigma-lobes are white, linear.

The plant here illustrated is a small specimen received from the Berlin botanical garden in 1901, which flowered in the New York Botanical Garden, June 1, 1913. The cluster of spines is from a specimen collected by J. N. Rose in Argentina in 1915. The species has been reported from Brazil and other South American countries, but is doubtless restricted to northern central Argentina, where the writer collected it on the high grassy plains of Cordoba in 1915.

J. N. ROSE.

EXPLANATION OF PLATE. Fig. 1.—Flowering plant. Fig. 2.—Portion of a rib, showing an areole and a cluster of spines.

B. GYMNOCALYCIUM MOSTII

Most's Gymnocalycium

Native of Argentina

Family CACTACEAE CACTUS Family

Echinocactus Mostii Gürke, Monatsschr. Kakteenk. **16**: 11. 1906.
Gymnocalycium Mostii Britton & Rose.

Plants solitary, one and one half to three inches high, five inches or less in diameter. The ribs are nine to fourteen, broad and obtuse;