

89432 to 89530—Continued.

89457. *BILLBERGIA LEOPOLDI* (Lem.) Morren.

The horny, channeled leaves of this Brazilian species are 3 feet long, connivent for about a foot, and marked by irregular white blotches on the back. The flowers, with violet petals 2 inches long, are in a dense oblong spike 6 to 9 inches long.

89458. *BILLBERGIA LIBONIANA* DeJonghe.

With a rosette of five or six sword-shaped plain-green leaves 1 to 2 feet long, this Brazilian billbergia produces a spike a foot high bearing flowers with green violet-tipped petals 2 inches long and bright-red sepals an inch in length.

89459. *BILLBERGIA NUTANS* H. Wendl.

The linear, rather soft leaves, a foot long, of this billbergia are distinctive. The blue-edged petals of the flowers, which are in a lax drooping raceme, make a striking contrast with the bright-red leafy bracts. Native to Brazil.

89460 to 89462. *BILLBERGIA PYRAMIDALIS* (Sims) Lindl.

A Brazilian billbergia rather variable in many of its characters. The 10 to 12 thin-textured, dull-green leaves, about 2 feet long, are faintly white-mottled on the back and armed with minute marginal teeth. The flowers, with mauve-scarlet petals 2 inches long, are in a dense spike about 4 inches long, with narrow bright-red leafy bracts.

89460. Variety *splendida*. More robust than the type, with more numerous flowers, brighter in color.

89461. Variety *thyrsoides*. Flowers more numerous than the type; the petals are bright red with violet-purple tips.

89462. Variety *crocyana*. Leaves erect; flowers more numerous with red petals edged with violet.

89463. *BILLBERGIA SAUNDERSII* Bull.

A Brazilian species closely allied to *Billbergia vittata*, with about five green to brownish-green leaves up to 2 feet long which have copious white spots and white transverse bands beneath and close-set small bright-brown marginal teeth. The flower petals are bright lilac at the tips, and the anthers are orange yellow.

89464 to 89467. *BILLBERGIA SPECIOSA* Thunb. (*B. amoena* Lindl.).

One of the more commonly cultivated billbergias, with many garden forms. The 10 or 12 strap-shaped leaves which form the rosette are over a foot long, connivent in the lower foot, with minute deltoid marginal prickles. The pale-green peduncle, with numerous bright-red leafy bracts 3 to 4 inches long, bears a lax panicle of flowers. The petals, 2 inches long, and the sepals are green with violet tips. Native to southern Brazil.

89464. Received as *B. amoena*, which is now referred to *B. speciosa*.

89465. Received as *B. pallida*, which is now considered the same as *B. speciosa*.

89432 to 89530—Continued.

89466. Variety *wiotiana*.89467. Variety *variegata*.89468. *BILLBERGIA ZEBRINA* Lindl.

The deep-green leaves of this South American species are mottled with gray-white blotches and have stout marginal spines. The green or yellow-green flowers are in a long loose drooping cluster.

89469. *CANISTRUM AMAZONICUM* (Linden and Andre) Mez (*Nidularium amazonicum* Linden and Andre). Bromeliaceae.

A stoloniferous canistrum from the Amazon Valley with 15 to 20 greenish-brown leaves, lanceolate, broader in the middle, uniformly claret brown on the back. The white flowers are in a dense head in the center of the rosette.

89470 to 89480. *CRYPTANTHUS* spp. Bromeliaceae.89470 and 89471. *CRYPTANTHUS ACAULIS* (Lindl.) Beer.

89470. A Brazilian epiphyte with stolons often overtopping the rosette, which consists of a dozen plain green leaves 4 to 6 inches long. The white flowers, with petals an inch long, are in a head more or less hidden among the leaves.

89471. Received as *C. undulatus*, which is now generally referred to *C. acaulis*.

89472. *CRYPTANTHUS BEUCKERII* Morren.

A Brazilian cryptanthus with 12 to 20 oblong-acute leaves 5 inches long, narrowed to a broad channeled petiole 2 to 3 inches long, pale brownish on the face and mottled with copious darker green spots. The white flowers are in a small head in the center of the rosette.

89473 to 89475. *CRYPTANTHUS BIVITTATUS* Regel.

89473. A species with a short stoloniferous rosette of 20 oblong-lanceolate leaves marked with two distinct vertical bands, often tinged with brown on the back and with close minute marginal prickles. The white flowers, an inch long, are in a tuft in the center of the rosette. Native to southern Brazil.

89474. Variety *moensis*. A form which is shorter and stouter than the type.

89475. Variety *ludemannii*. A form, stouter than the type, with leaves 2 inches wide, much tinged with brown.

89476. *CRYPTANTHUS LACERDAE* Antoine.

The depressed rosette of this species, about 2 inches high, is composed of a dozen somewhat ovate glaucous-green leaves about 3 inches long, scurfy white beneath. The white flowers are in a small cluster half hidden in the rosette. Native to South America.

89477. *CRYPTANTHUS OSYANUS* Makoy.

A small epiphyte with about 12 oblong acute leaves 4 inches long, armed with minute marginal teeth and small white flowers in a small head in the center of the rosette of leaves.