

89432 to 89530—Continued.

89478 to 89480. *CRYPTANTHUS ZONATUS* Beer.

The 10 to 12 dark-green leaves of this Brazilian cryptanthus are oblong lanceolate and 6 to 9 inches long. The small tuft of white flowers is produced in the center of the rosette of leaves.

89478. Variety *fuscus*. A form with tawny leaves.

89479. Variety *brunceis*. A form with brownish leaves.

89480. Variety *viridis*. A form with leaves greener than the type.

89481 to 89485. *GUZMANIA* spp. Bromeliaceae.

89481 to 89483. *GUZMANIA LINGULATA* (L.) Mez.

The rosette of this guzmania consists of 30 to 40 thin lanceolate leaves nearly 2 feet long, striped vertically with red brown on the back. The yellowish-white flowers, 1 to 2 inches long, are in a globular cluster on a scape a foot long, overtopped by the bright-red leafy bracts 1 to 2 inches long. Native to the West Indies and northern South America.

89481. Variety *cardinalis*. A form with larger and more brightly colored outer bracts.

89482. Variety *splendens*. A form with larger and more brightly colored outer bracts.

89483. Received as *Nidularium splendens*, which is now referred to *Guzmania lingulata*.

89484. *GUZMANIA MUSAICA* (Linden) Mez (*Tillandsia musaica* Linden).

The 15 to 20, rather horny leaves of this species are copiously marked on the back with fine wavy red-brown lines on a purple-tinted green ground. The whitish flowers are in a globose head 3 inches in diameter with bright-red flower bracts up to an inch long. Native to Colombia.

89485. *GUZMANIA ZAHNII* (Hook. f.) Mez (*Tillandsia zahnii* Hort.).

A yellow flowered epiphyte from Panama, with a rosette of 20 to 30 thin lanceolate falcate leaves conspicuously striped with red brown on both sides near the base. The flowers are in a dense panicle 3 to 4 inches long.

89486 to 89491. *NIDULARIUM* spp. Bromeliaceae.

89486. *NIDULARIUM CHANTRIERI* Andre.

A hybrid between *Nidularium fulgens* and *N. innocentii*. The dark-green leaves are violet beneath, and the floral bracts are a brilliant blood red.

89487 and 89488. *NIDULARIUM FULGENS* Lemaire.

89487. The short dense rosette of this nidularium consists of 15 to 20 strap-shaped spreading bright-green leaves about a foot long, copiously marked with spots of darker green. The flowers, which have violet corollas and white tubes, are in a dense central cluster, surrounded by the brilliant scarlet reduced inner leaves. Native to southern Brazil.

89432 to 89530—Continued.

89488. Variety *joliboisy*.

89489. *NIDULARIUM INNOCENTII* Lemaire.

A stoloniferous plant from southern Brazil which consists of a rosette of 20 strap-shaped leaves less than a foot long, green tinged with brown, and white flowers.

89490. *NIDULARIUM NEGLECTUM* Andre.

The bright-green lanceolate leaves of this nidularium are about a foot long, and the white flowers are in a small central head, surrounded by a few brownish-green reduced leaves. Probably native to Brazil.

89491. *NIDULARIUM SCHEREMETIEWII* Regel.

A nidularium with 10 to 15 sharply serrated lanceolate leaves a foot or more long, which are bright green above, and violet flowers in a small head surrounded by the bright-scarlet reduced inner leaves. Native to southern Brazil.

89492 to 89497. *PITCAIRNIA* spp. Bromeliaceae.

89492. *PITCAIRNIA ALTENSTEINII* Lemaire (*Puya altensteinii* Klotzsch).

An alpine species from Venezuela with 12 to 20 weak recurving papery leaves 2 to 3 feet long, green on both surfaces. The simple raceme of white flowers is made showy by the bright-red bracts 1 to 2 inches long.

89493. *PITCAIRNIA ANDREAANA* Linden.

A Venezuelan pitcairnia less than a foot high, of the *P. australis* group, with lanceolate drooping chartaceous leaves, white beneath, and bright-red flowers over 2 inches long in a moderately dense erect raceme 5 inches in length.

89494. *PITCAIRNIA CORALLINA* Linden.

The outer leaves of this Colombian species are hard, dry, and spineless; the inner leaves have brown-spined petioles and broad plicate recurved blades. The coral-red flowers, 3 inches long, are in a raceme borne on a bright-red scape a foot high.

89495. *PITCAIRNIA DARBLAYANA* Baker.

A hybrid between *P. corallina* and some unknown species.

89496. *PITCAIRNIA PLATYPHYLLA* Schrad.

With a dense tuft of linear leaves 2 to 3 feet long, covered beneath with white mealy scales and spiny margined near the base, this West Indian pitcairnia has bright-red flowers 2 inches long in a lax raceme on a scape a foot in length.

89497. *PITCAIRNIA TABULAEFORMIS* Linden.

The 20 to 30 spreading or reflexed leaves of this tropical Mexican species are 5 or 6 inches long, papery in texture, and green on both sides. The bright-red flowers, 30 to 40 in number, form a dense central head.

89498. *PORTEA KERMESINA* Brongn. Bromeliaceae.

The 8 or 10 leaves which form the rosette of this Brazilian plant are 2 feet or more long, bright purple on the back,