

53611. CITRUS GRANDIS (L.) Osbeck. Rutaceæ.*(C. decumana Murr.)*

From Guayaquil, Ecuador. Seeds presented by Dr. Frederic W. Goding, American consul general. Received May 26, 1921.

"A native Ecuadorian fruit, known locally as *toronja*, which has the appearance of a mammoth orange nearly as large as a medium-sized human head. The arrangement of the interior of the fruit resembles that of the orange, but the color is salmon and the taste an acid bitter similar to but more pronounced than that of the ordinary grapefruit, for which it is being used as a substitute in Ecuador.

"Were this fruit properly cultivated, so as to lessen the coarseness of its pulp, it would be prized as a food and would present an attractive appearance on the table." (*Goding.*)

53612 and 53613.

From Siam. Seeds collected by J. F. Rock, Agricultural Explorer of the Department of Agriculture. Received June 15, 1921. Quoted notes by Mr. Rock.

53612. ARISTOLOCHIA ACUMINATA LAM. Aristolochiaceæ.

"Collected between Raheng and Mesawt, Siam, in the rain forest at Pang Ma Kham Pom, 2-days' journey from Raheng, December 18, 1920. A vigorous vine, climbing over shrubs and trees. No flowers seen."

53613. CASSIA FISTULA L. Cæsalpiniaceæ.

"Seeds collected from trees growing wild near Palut, in dry forests with Strychnos, Lagerstroemia, and teak, between western Siam and Lower Burma on the way from Raheng to Mesawt, December 17, 1920. It is a medium-sized tree in these dry forests and is semideciduous in the winter. The yellow flowers are produced in long pendent racemes."

For previous introduction, see S. P. I. No. 32316.

53614. TABERNAEMONTANA DONNELL-SMITHII Rose. Apocynaceæ.

From the city of Guatemala, Guatemala. Seeds presented by Sr. Jorge G. Salas, Dirección General de Agricultura, through Sr. Francisco Villacorta, Guatemalan consul general in New York. Received June 29, 1921.

"Seeds from a large tree which produces the *goma de cojon* of commerce." (*Salas.*)

A large shrub 10 to 20 feet high, occurring in Guatemala from the coast up the slopes of the volcanoes to altitudes of 5,000 feet. The natives call it *cobal* (varnish gum). The thin oblong leaves are 3 to 8 inches long, and the large yellow salver-shaped flowers are in few-flowered cymes. (Adapted from *The Botanical Gazette*, vol. 18, p. 206.)

53615. ERAGROSTIS TREMULA Hochst. Poaceæ. Grass.

From Gizeh, Egypt. Seeds presented by Thomas W. Brown, director, Ministry of Agriculture, Horticultural Section. Received June 30, 1921.

An annual, tufted grass, found throughout the Tropics, with ascending or erect stems up to 3 feet in height and light-green, flat leaves tapering to a long point. (Adapted from *Muschler, Manual Flora of Egypt*, vol. 2, p. 125.)

53616. ROLLINIA EMARGINATA Schlecht. Annonaceæ. Araticuy.

From Horqueta, Paraguay. Seeds presented by Thomas R. Gwynn, through the American consul, Asuncion, Paraguay. Received June 23, 1921.

"*Chirimouia*. A large fruit, extremely aromatic; the seeds are full of oil." (*Gwynn.*)

For previous introduction, see S. P. I. No. 25528.