

**53478 to 53482.**

From Mauna Kea, Hawa i. Seeds collected by J. F. Rock, Agricultural Explorer of the Department of Agriculture. Received June 1, 1921. Quoted notes by Mr. Rock.

**53478 and 53479.** *STYPHIELIA GRAYANA* Rock. Epacridaceæ.

"An exceedingly handsome shrub closely allied to the heath family. It is loaded nearly all the year with white, pink, or red berries, making an exceptionally showy appearance. The shrub grows at altitudes of 10,000 to 11,000 feet on the slopes of Mauna Kea, Mauna Loa, and Haleakala, Hawaiian Islands. Worthy of cultivation as an ornamental garden plant. Collected on Mauna Kea, Hawaii, at an altitude of 10,000 feet, in May, 1921."

**53480 to 53482.** *RUBUS MACRAEI* A. Gray. Rosaceæ. **Akala.**

"The Hawaiian giant raspberry, occurring at an altitude of about 6,000 feet. It is a straight bush with the older branches thornless. The fruits, borne at the drooping tips of the branches, are very numerous, over 2 inches in diameter, and exceedingly juicy; the seeds are comparatively small. The flesh is slightly bitter, but otherwise delicious. This berry is of great promise, as it grows in a region where frost is not uncommon in the winter months. It would grow well in the Sequoia regions of the Pacific coast. Collected in May, 1921, on Mauna Kea, Hawaii."

**53480.** "Red variety, from Mauna Kea, Keanakolu."

**53481.** "Selected red variety from Mauna Kea, Hawaii."

**53482.** "Yellow, selected variety, from Mauna Kea, Hawaii. The variety with orange-yellow fruits is sp. n., but the fruits are even larger than those of the red variety and sweet instead of bitter."

**53483.** *FAGRAEA AURICULATA* Jack. Loganiaceæ.

From Singapore, Straits Settlements. Seeds collected by J. F. Rock, Agricultural Explorer of the Department of Agriculture. Received June 1, 1921.

"A medium-sized tree with drooping branches and large, handsome, fleshy leaves. The snow-white, bell-shaped flowers measure 6 to 7 inches across and 5 to 6 inches long. It is exceedingly handsome and certainly worthy of cultivation; it is, however, distinctly tropical, being native to the Malay Peninsula. Collected at Singapore in March, 1921." (*Rock.*)

**53484.** *STERCULIA MACROPHYLLA* Vent. Sterculiaceæ.

From Calcutta, India. Seeds collected by J. F. Rock, Agricultural Explorer of the Department of Agriculture. Received June 1, 1921.

"A large tree with cordate suborbicular entire leaves which measure 10 to 12 inches long. It is native to the Malay Peninsula, but occurs also in Java." (*Rock.*)

For previous introduction, see S. P. I. No. 34366.

**53485.** *OSTEOMELES OBTUSIFOLIA* (Pers.) Kunth. Malacæ.

From Loja, Ecuador. Seeds collected by Wilson Popenoe, Agricultural Explorer of the Department of Agriculture. Received June 8, 1921.

"(No. 609a. May 7, 1921, Loja, Ecuador.) *Quiqui*, collected near the town of Loja, in southern Ecuador. It is common in this region, along the edges of ravines and among scrub at altitudes of 7,000 to 8,000 feet. The plant is an arborescent shrub reaching to 12 or 15 feet. It is armed with long sharp thorns and has oblong-elliptic, blunt or acute, dentate leaves about an inch long. The thin-skinned fruits, which are produced in small terminal clusters, are round to oblate, deep red, and up to half an inch in diameter. A small quantity of yellowish, mealy flesh surrounds several hard seeds. The