

51003 and 51004—Continued.

It has 5-lobed leaves and inconspicuous flowers; the fruit, a pepo, is about 5 inches long, narrowly oval with a smooth skin or a few soft basal spines. (Adapted from *Contributions from the U. S. National Herbarium, vol. 13, p. 120.*)

For previous introduction, see S. P. I. No. 29330.

51005 and 51006.

From Lamao, Bataan, Philippine Islands. Seeds presented by P. J. Wester, agricultural adviser, Lamao Horticultural Station. Received July 20, 1920.

51005. CARISSA CARANDAS L. Apocynaceæ.

Karanda.

A small bush, not much higher than a man, with dense, dark-green, shining foliage and sharp stipular thorns an inch in length. The coriaceous, oval, or emarginate leaves are about an inch long and broad. The flowers are small, white, and jasminelike. They come out in the hot weather, but the charm of the bush is in July when its half-ripe waxy berries hang in clusters all over the bush. They are the size of olives, a brilliant red on one side and cream on the other. When ripe they are a uniform dark-red with a bland milky juice; the fruit is sour, and is much used by the natives for making chutney [a sort of spicy pickle]. The little unripe berries, with the skin and seeds removed, cooked in pastry with sugar and cloves, make a fair substitute for apple tarts. (Adapted from *Gardener's Chronicle, vol. 24, p. 262.*)

For previous introduction, see S. P. I. No. 46636.

51006. MICROCOS LATERIFLORA L. Tiliaceæ.

(*Grewia asiatica* L.)

A small hazellike tree, native to the East Indies and cultivated throughout India. The small dark-purple berry is a pleasantly acid fruit and is much esteemed by the natives. A sherbet and wine are prepared from it in many parts of the country. From the bark a fiber is extracted which resembles European bast fiber and is much used in rope making. The mucilaginous juice of the bark is used in Seharunpur for clarifying sugar. The yellowish white, close-grained wood is strong and elastic and much prized for making banghy poles and for other purposes for which combined lightness and strength are desired. (Adapted from *Watt, Dictionary of the Economic Products of India, vol. 4, p. 177.*)

For previous introduction, see S. P. I. No. 43659.

51007. CYATHEA sp. Cyatheaceæ.

Tree fern.

From Lamao, Bataan, Philippine Islands. Spores presented by P. J. Wester, agricultural adviser, Lamao Horticultural Station. Received July 21, 1920.

"A tree fern with spiny midribs, collected in Baguio at an altitude of about 5,000 feet. The plant is exceedingly attractive and would unquestionably make a good conservatory plant." (*Wester.*)

51008 and 51009.

From Lamao, Bataan, Philippine Islands. Seeds presented by P. J. Wester, agricultural adviser, Lamao Horticultural Station. Received July 26, 1920.