

annatto dye prepared from the orange-red pulp which surrounds the seeds. This dye is the coloring matter chiefly used in butter and cheese. (Adapted from *Bailey, Standard Cyclopedia of Horticulture, vol. 1, p. 510.*)

#### 44955 and 44956.

From Auckland, New Zealand. Presented by Mr. H. R. Wright, Avondale Nursery. Received July 6, 1917.

44955. *IXERBA BREXTOIDES* A. Cunn. Escalloniaceæ.

"*Tawari*." A beautiful evergreen tree, sometimes 70 feet tall, with thick, leathery, coarsely serrate leaves 3 to 7 inches long and very handsome waxy, white flowers  $1\frac{1}{2}$  inches wide, occurring in flat panicles. It is a native of New Zealand, where it is not common, and is considered by some to be the most beautiful tree indigenous to that country. (Adapted from *Laing and Blackwell, Plants of New Zealand, p. 186.*)

44956. *RYMANDRA EXCELSA* Salisb. Proteaceæ.

(*Knightia excelsa* R. Br.)

A New Zealand tree, sometimes 100 feet in height, with stiff, linear-oblong, roughly toothed leaves 4 to 8 inches long and racemes of red, velvety flowers 2 to 3 inches long and 2 inches in diameter. The tree bears a considerable resemblance to the Lombardy poplar when seen from a distance. The wood is much used for cabinetwork. (Adapted from *Laing and Blackwell, Plants of New Zealand, p. 146.*)

#### 44957 to 44961.

From Richmond, Victoria, Australia. Presented by Mr. F. H. Baker. Received July 7, 1917.

44957. *ALBIZZIA LOPHANTHA* (Willd.) Benth. Mimosaceæ.

(*Acacia lophantha* Willd.)

"*Cape or crested wattle*. Collected near Hursts Bridge, Victoria. Before planting soak in boiling water and allow to cool." (*Baker.*)

A shrub or small tree 6 to 20 feet high, with graceful, feathery foliage and yellowish summer-blooming flowers in spikes about 2 inches in length. The flat, oblong pods are thickened at the edges. The shrub is a native of Western Australia, often cultivated as a greenhouse shrub in temperate regions, and is now naturalized in southern California. (Adapted from *Botanical Register, vol. 5, pl. 361*, and from *Bailey, Standard Cyclopedia of Horticulture, vol. 1, p. 243.*)

44958. *BRACHYCHITON ACERIFOLIUM* F. Muell. Sterculiaceæ.

(*Sterculia acerifolia* A. Cunn.)

An Australian tree, up to 35 feet in height, with very dark-green, shining, maplelike leaves 6 to 10 inches wide and scarlet bell-shaped flowers which hang from the tree in large clusters. It is sometimes called the *Australian flame tree*, because of the fact that when it comes into bloom upon shedding its leaves in midsummer the tree appears like a huge flame. In the Pacific States it is considered a very fine avenue tree. (Adapted from *The Pacific Garden, November, 1913.*)

44959. *EUCALYPTUS CALOPHYLLA* Lindl. Myrtaceæ.

Variety *rosea*. A medium-sized Australian tree with dense foliage and dark, corky, deeply furrowed bark. The thick, firm leaves are ovate-lanceolate, and the large pink flowers appear in large clusters. It is an ornamental tree of slow growth, not enduring frost or drought, and