

101187. SESAMUM ORIENTALE L. Pe-daliaceae. Sesame.

From Africa. Seeds presented by D. C. Edwards, Scott Agricultural Laboratories, Nairobi, Kenya. Received October 13, 1932.

Black Sim-Sim. Collected in the coast region of Kenya, and introduced for the use of Department specialists working with drug plants.

101188. (Undetermined.)

From Peru. Seeds collected by H. G. MacMillan and C. O. Erlanson, Bureau of Plant Industry. Received July 12, 1932. Numbered in October 1932.

No. 198. Collected April 16, 1932, at Rio Colorado, near Merced, Peru, at 2,800 feet altitude. A leguminous shrub up to 4 feet high, with flowers which vary from white to light violet.

101189. DIOSCOREA ALATA L. Dios-coreaceae. Winged yam.

From Australia. Tubers presented by J. A. Hamilton, Carbesen via Cairns, North Queensland. Received October 17, 1932.

Tubers generally cylindrical, with reddish inner skin and white flesh partly colored with red-purple. It is a good table variety, very prolific, and has proved well adapted to the dry conditions of Queensland, where there is a short wet season from about Christmas to the beginning of March, and the remainder of the year has very little rain.

101190 to 101193.

From Manchuria. Seeds purchased from L. Ptit-sin, Harbin. Received October 13, 1932.

101190. CRATAEGUS sp. Malaceae. Hawthorn.

101191. RIBES sp. Grossulariaceae. Gooseberry.

101192. RUBUS sp. Rosaceae. Raspberry.

101193. SOJA MAX (L.) Piper. Fabaceae. Soybean.

Wild soybeans.

101194. PUYA CHILENSIS Molina. Bro-meliaceae. Puya.

Seeds presented by William Hertrich, superintendent, Huntington Botanic Garden, San Marino, Calif., from plants growing in the garden. Received October 13, 1932.

Tiñaca in Peru and *cardon* in Chile. A shrub 4 to 5 feet high with a yuccalike mass of foliage. The narrow, often recurved leaves, 2 to 4 feet long, are armed along the margins with strong glaucous recurved spines or thorns. The compound spike of large yellow flowers, each 2 inches across and sessile or nearly so, terminates a perfectly straight flower stalk 3 to 5 feet tall.

101195 to 101204.

From Australia. Seeds presented by Edwin Ash-by, Wittunga, Blackwood, South Australia. Received October 13, 1932.

101195 to 101199. CALLISTEMON spp. Myrtaceae.

101195. CALLISTEMON ACUMINATUS × ?

A hybrid of *C. acuminatus* having flowers which vary from pink to deep crimson.

101196. CALLISTEMON LILACINUS E. Cheel.

A shrub about 8 feet high with alternate, linear-lanceolate, mucronate leaves. The flowers, in dense cylindrical spikes, are characterized by long conspicuous purple-lilac filaments. It is native to New Zealand and Western Australia.

101187. CALLISTEMON PALUDOSUS × ?

A hybrid of *C. paludosus* with pink flowers.

101195 to 101204—Continued

101198. CALLISTEMON RUGULOSUS DC.

A shrub up to 12 feet high with narrowly lanceolate leaves 1 to 3 inches long and clusters of flowers having crimson filaments and yellow anthers.

101199. CALLISTEMON SALIGNUS (J. E. Smith) Sweet.

A tall shrub or small tree up to 40 feet high with distinctly penni-nerved, lanceolate leaves 1 to 3 inches long and small flowers, in spikes 1 to 2 inches long, which have bright-yellow stamens usually not more than half an inch in length.

For previous introduction see 99403.

101200 to 101204. CALOTHAMNUS spp. Myrta-ceae.

Native Western Australian shrubs very much like the Callistemons but with a much longer flowering period.

101200. CALOTHAMNUS ASPER Turcz.

A hairy evergreen shrub with crowded linear flat leaves and short dense clusters of flowers which have crimson stamens.

101201. CALOTHAMNUS HOMALOPHYLLUS F. Muell.

An erect shrub 4 to 6 feet high with thick flat oblanceolate to linear leaves 1 to 2 inches long; the small flowers in 1-sided spikes have rich-crimson stamens more than an inch long.

101202. CALOTHAMNUS LONGISSIMUS F. Muell.

A low shrub with softly pubescent, corky branchlets. The terete leaves are 6 to 12 inches long, and the small flowers, immersed in the swollen corky stem, have several bundles of stamens nearly an inch long.

101203. CALOTHAMNUS QUADRIFIDUS Ait.

An erect evergreen bush 7 feet high with crowded linear leaves about 1 inch long, somewhat like those of *Hakea*, and dense spikes of flowers which are conspicuous because of the long rich-crimson stamens.

For previous introduction see 93834.

101204. CALOTHAMNUS SANGUINEUS Labill.

A tall evergreen shrub 6 to 12 feet high with subulate terete leaves about an inch long and flowers with blood-red stamens as long as the leaves.

101205. SESAMUM ORIENTALE L. Pe-daliaceae. Sesame.

From Africa. Seeds presented by D. C. Edwards, Scott Agricultural Laboratories, Department of Agriculture, Nairobi, Kenya. Received October 17, 1932.

Sim-Sim. From the native market at Bukura; grown at 4,800 feet altitude where the annual rainfall is 52 inches. Introduced for the use of Department specialists.

101206 to 101211.

From Huancayo, Peru. Bulbs and seeds presented by Paul G. Ledig, Huancayo Magnetic Observatory, Carnegie Institution of Washington, D. C. Received October 19, 1932.

101206. (Undetermined.)

A lily with large red or green-yellow flowers.

101207. URCEOLINA MINIATA (Herb.) Benth. and Hook. Amaryllidaceae.

A bulbous perennial native to the Andes of Peru and Bolivia. The solid scape, 1 foot high, bears 2 to 6 pendent urn-shaped scarlet flowers 2 inches long, after which appear the narrowly ovate leaves 1 foot long.

For previous introduction see 93770.