

103973 and 103974. PHOENIX DACTYLIFERA L. Phoenixaceae. Date palm.

From Africa. Seeds presented by the Department of Agriculture, Nigeria. Received December 9, 1933.

Date palms, said to be growing wild in Nigeria; introduced for the use of Department specialists.

103975. CASTANEA SATIVA Mill. Fagaceae. Spanish chestnut.

From the Union of Soviet Socialist Republics. Seeds presented by Prof. A. Popov, Department of New Cultures and Introduction, Leningrad. Received December 9, 1933.

Chestnuts collected in the northern Caucasus region; introduced for the use of Department specialists.

103976. ADONIDIA MERBILLII Beccari. Phoenixaceae. Palm.

From the Philippine Islands. Seeds presented by Mount Mahiling Agricultural College, Laguna, through the director of forestry, Manila. Received December 19, 1933.

Bonga de China or *bonga de Jolo*. A medium-sized palm with graceful, somewhat curved pinnate leaves, resembling the common betel-nut palm, but not so tall. The crimson fruits, less than an inch long, are borne just below the leaves. In Manila this palm is grown as an ornamental.

For previous introduction see 94177.

103977. VICIA PANNONICA Crantz. Fabaceae. Vetch.

From lower Austria. Seeds purchased from Gustav & Wilhelm Löw, Angern. Received December 19, 1933.

Hungarian vetch. An annual vetch, native to Europe and Asia. It makes a less viny growth than common vetch (*Vicia sativa*) or hairy vetch (*V. villosa*), but is a vigorous grower attaining a full stem length of from 2½ to 3 feet. It is more winter-hardy than common vetch and will seldom winter-kill as far north as Washington, D. C. This species is especially adapted to poorly drained areas and is the best of the vetches in this regard.

For previous introduction see 52274.

103978 to 103980. AVENA spp. Poaceae. Oats.

From India. Seeds presented by the Imperial Institute of Agricultural Research, Pusa, at the request of the Indian Trade Commissioner, London. England. Received December 20, 1933.

A collection of hybrid oats, developed in India. Introduced for the use of Department specialists.

103978. B. S. 2. 103980. Hybrid J.

103979. Hybrid C.

103981. FICUS CARICA L. Moraceae. Common fig.

From Spain. Cuttings presented by Ramon Sala Roqueta, Balaguer. Received February 6, 1926. Numbered in December 1934.

Variety *Fraga*; fruits thick, white with thin skin and rosy flesh; very suitable for drying.

103982. PYRACANTHA CRENULATA (Don) Roemer. Malaceae.

Nepal firethorn.

From California. Seeds presented by the California Nursery Co., Niles. Received December 22, 1933.

This appears to be the typical form of the Nepal firethorn, with stiff, narrow-elliptic, crenulate, shining dark-green leaves with a short bristle at the tip. The showy red berries, one-fourth to five-eighths of an inch in diameter, are in loose corymbs.

103983. AMYGDALUS PERSICA L. Amygdalaceae. Peach.

From the Union of Soviet Socialist Republics. Scions presented by A. Popov, Department of New Cultures and Introduction, Leningrad. Received December 26, 1933.

Variety *ferganensis*.

For previous introduction see 102706.

103984 to 103987.

From Cuba. Seeds presented by Robert M. Grey, superintendent, Atkins Institution of the Arnold Arboretum, Soledad, Cienfuegos, through F. G. Walsingham. Received December 26, 1933.

103984. ABROMA AUGUSTA L. f. Sterculiaceae.

A quick-growing shrub, native to the East Indies, with large angular leaves and dull, deep, dark-red flowers. The fiber is used for ropes and cordage in the Orient.

For previous introduction see 98795.

103985. ARISTOLOCHIA TAGALA Cham. Aristolochiaceae.

From the Botanic Garden, Straits Settlements. A tropical climber with ovate-acuminate and deeply cordate-auriculate leaves about 4 inches long. The greenish-purple flowers, with the limb extended into a tongue-shaped lip, are in small racemes. Native to Luzon, Philippine Islands, and allied to *Aristolochia indica* L.

103986. JATROPHA PODAGRICA Hook. Euphorbiaceae.

A handsome Central American shrub 1 to 2 feet high, with petiole, 3- to 5-lobed leaves 4 to 8 inches wide and orange flowers with scarlet petals.

For previous introduction see 73246.

103987. PYCNOSTACHYS UTRICIFOLIA Hook. Menthaceae.

A much-branched herbaceous perennial 5 to 7 feet high, native to tropical and southern Africa. The densely pubescent ovate leaves, 3 to 4 inches long, are deeply cut into rounded lobes, and the small bright-blue flowers are in dense spikes 2 to 3 inches long.

For previous introduction see 99458.

103988. ZEA MAYS L. Poaceae. Corn.

From Australia. Seeds presented by the Grafton Experiment Farm, through H. Wenholz, director of plant breeding, Department of Agriculture, Sydney, New South Wales. Received December 20, 1933.

Fitzroy. Introduced for the use of Department specialists.