

## 54061 to 54163—Continued.

54084. *MALUS IOENSIS* (Wood) Britton.

"(Arboretum No. 4683.) This wild crab apple, native to the Mississippi Valley, is a tree often 30 feet high, with ovate serrate leaves 3 to 4 inches long which turn yellow in the fall. The rose-colored flowers, 1 to 2 inches across, are borne in small clusters and are followed by fragrant greenish yellow fruits sometimes 2 inches in diameter."

54085. *MALUS MICROMALUS* Makino.

"(Arboretum No. 3202-3.) A small tree possibly of hybrid origin, with erect branches forming a pyramidal head. It bears a profusion of bright-red flowers and holds its small fruits well into the winter."

For previous introduction, see S. P. I. No. 49082.

54086. *MALUS PRUNIFOLIA* RINKI (Koidz.) Rehder.

"A small tree native to China, with obovate leaves, pink or pinkish white flowers, and yellow edible apples often 2 inches in diameter."

For previous introduction, see S. P. I. No. 49083.

54087.  $\times$  *MALUS ROBUSTA* Rehder.

"Seeds from several trees of this interesting hybrid between *M. baccata* and *M. prunifolia*. The flowers and fruits are quite ornamental, but the greatest value lies in the fact that Mr. Judd, the expert propagator at the Arboretum, considers this the best stock on which to graft other kinds of apples."

54088. *MALUS SARGENTII* Rehder.

"(Arboretum No. 4681.) A low, freely branching shrub, native to Japan, with ovate sharply serrate leaves, small clusters of pure-white flowers and dark-red fruits, which are produced very freely."

For previous introduction, see S. P. I. No. 48084.

54089.  $\times$  *MALUS SCHEDECKERI* Spaeth.

"(Arboretum No. 3510.) A garden hybrid one of whose parents is probably *M. floribunda*; this forms a small tree bearing semi-double pink flowers and red fruits nearly an inch in diameter."

For previous introduction, see S. P. I. No. 27126.

54090. *MALUS SIEBOLDII ARBORESCENS* Rehder.

"(Arboretum No. 1703.) A Japanese tree with longer leaves than the type and bearing nearly white flowers."

For previous introduction, see S. P. I. No. 49088.

54091. *MALUS THEIFERA* Rehder.

"(Arboretum No. 7241; Wilson No. 451.) This small stiff-branched tree, native to China, bears fragrant white flowers and globose yellow fruits with red cheeks."

For previous introduction, see S. P. I. No. 45681.

54092. *MALUS TRANSITORIA TORINGOIDES* Rehder.

"(Arboretum No. 7186.) A tree 16 to 26 feet high native to western Szechwan, China, at altitudes of 9,000 to 12,000 feet, with felted twigs. The leaves 2 inches long are more entire, and the scarlet and yellow fruits are larger, than in *M. transitoria*."

For previous introduction, see S. P. I. No. 46701.

54093 and 54094. *MALUS ZUMI* (Mats.) Rehder.

"(Arboretum No. 5002.) A low round-headed tree native to Japan, with oblong yellowish green leaves, and bearing a profusion of pinkish flowers and red fruits."

For previous introduction, see S. P. I. No. 43705.