

India, and a woody ruderal in overpopulated areas throughout India. It is a pioneer in monsoon deciduous forests and common up to 4,500 feet in the Himalayas. Collected at Dharassu, Himalayan Ganges Valley, June 1, 1920, in the Bauhinia forest range. Suitable to a climate about like that of Virginia."

A glabrous shrub 4 to 8 feet high, native to India, with white flowers which are streaked and dotted with pink and are 1 to 3 inches long. (Adapted from Collett, Flora Simlensis, p. 376.)

*Rubus macraei* (Rosaceae), 53481, 53482, and 53625. **Raspberry**. From Hawaii. Seeds collected by Mr. J. F. Rock, agricultural explorer.

53481. "(Mauna Kea, May, 1921.) A selected *red variety* of the Hawaiian giant raspberry, occurring at an altitude of about 6,000 feet. It is an erect bush with the older branches thornless. The fruits, borne at the drooping tips of the branches, are very numerous, over 2 inches in diameter, and exceedingly juicy; the seeds are comparatively small; the flesh is slightly bitter, but otherwise delicious. This berry is of great promise as it grows in a region where frost is not uncommon in the winter months: it would grow well in the Sequoia regions of the Pacific coast." (Rock.)

53482. "(Mauna Kea, May, 1921.) This selected *yellow variety* is spiny, but the orange-yellow fruits are even larger than those of the red variety (which are over 2 inches in diameter), and sweet instead of bitter." (Rock.)

53625. "(Kilauea, May, 1921.) A *spineless variety* from near Shipman Ranch. This variety grows epiphytically in the forks of large Koa trees (*Acacia koa*) and on fallen logs of the same species, inaccessible to cattle. The dark red fruits attain a diameter of nearly 2 inches, are very juicy, and, though slightly bitter, are quite pleasant to the taste. The variety would likely improve under cultivation. The canes do not grow as straight as those of the yellow and red varieties on Mauna Kea, but they are over an inch in diameter at the base; the whip-like branches are very scandent and rambling. These seeds came from a fern forest at an altitude of 4,500 feet." (Rock.)

*Styphelia grayana* (Epacridaceae), 53478. From Mauna Kea, Hawaii. Seeds collected by Mr. J. F.