

*Psychotria bacteriophila* Valetton. (Rubiaceae.) 44119. One root from Buitenzorg, Java. Presented by Mr. P. J. S. Cramer, Chief, Plant Breeding Station. A shrub, 2 to 3 meters (7 to 10 feet) high, native of the Comoro Islands, Madagascar. The elliptic or ovate-oblong, fleshy, dark green leaves are short-petioled, and usually thickly covered with the remarkable bacterial knots which, according to the researches of Zimmerman and Faber (See Plant Immigrants No. 121 p. 1003, S. P. I. 42767, for fuller description) play a similar role in the existence of the plant to that played by the root tubercles of the Leguminosae. These bacterial leaf knots gather nitrogen from the air.

*Pyrus lindleyi* Rehder. (Malaceae.) 44164-44168-44170-44174. Seeds and cuttings of **Chinese pears** from China. Collected by Mr. Frank N. Meyer. Among these are some of the best cultivated pears of northern China; most of them excellent keepers and all of value in breeding experiments.

*Pyrus ussuriensis* Maxim. (Malaceae.) 44151-44163. **Pear** seeds from Malanyü, Chihli province, China. Collected by Mr. Frank N. Meyer. *Suan li*, meaning 'Sour pear'. A medium-sized Chinese pear, of globose form and of green color. Calyx persistent, length of peduncles varies considerably in different specimens. Flesh somewhat gritty and quite sour. These pears cannot be eaten raw, except after having been frozen, when they become melting. By cooking them, however, a sour sauce can be obtained which missionaries found acceptable as a substitute for sour apple sauce. Possibly these may also prove to be blight-resistant." (Meyer.)

*Rhynchosia* sp. (Fabaceae.) 44118. Seeds from El Coyolar, Costa Rica. Presented by Mr. Carlos Wercklé. "*Yellow vetch*. Small blooming annual forage plant, growing now in the dry season, while the yellow sensitiva (*Aeschynomene* sp.) (No. 44113) is completely dried up. After the yellow sensitiva, it is our best soil enricher." (Wercklé.)

*Saccharum officinarum* L. (Poaceae.) 44099. **Sugarcane** seeds from Cienfuegos, Cuba. Presented by Mr. Robert M. Grey, Harvard Experiment Station. "Seeds of one of my hybrid canes which is very prolific and germinates freely when sown in the open ground here." (Grey.)