

much-needed critical experimental work upon the white-pine blister rust. This disease attacks the 5-needled pines in one stage, and has as alternating hosts the various species of *Ribes*. The exact limitation of the disease upon the species of either of these genera is at present unknown. So far as tested all *Ribes* have taken the disease. The securing of results with the pines is much slower, but there is good reason to believe that all 5-needled pines will serve as hosts for the disease. Many foreign *Ribes* and pines are not available in this country from seeds, cuttings, or plants; hence the necessity of importing small numbers of them. This disease is so well established in one section of this country at present and threatens such tremendous timber values, both in the East and the West, that it is important that any resistant species of either pine or *Ribes* be known as soon as possible, with a view to the extensive use of this species in future in place of the more susceptible ones. For this reason an effort is being made to secure specimens of all foreign species of *Ribes* and 5-needled pines." (*Dr. Perley Spaulding.*)

Numbers quoted are those of the Maurice Vilmorin Fruticetum.

40406 to 40409. *RIBES* spp.

40406. "7378."

40408. "7488."

40407. "7402."

40409. "7530."

40410. *RIBES* MAXIMOWICZII Batalin.

"7555 V."

"(Wilson No. 958a.) From thickets, Washan, western Szechwan, altitude 1,800 to 2,500 meters. August, 1908." (*Wilson.*)

40411 to 40413. *RIBES* spp.

40411. "7555 F."

40413. "7477."

40412. "7555."

40414. *RIBES* AFFINE H. B. K.

"7472."

"Shrub 2 to 3 meters in height, young shoots glabrous or subpubescent, the year-old shoots shining, clear red-brown. Leaves rather small or medium, rounded, 6 cm. long and broad, 3 to 5 lobed, with lobes sometimes obtuse and little developed, base truncate or cordate, glabrous or subpubescent, even glandular above, subpubescent or pubescent below. Racemes very variable, short and rather crowded, medium or rather long up to 12 cm., in this case loose with about 15 flowers. Sometimes the racemes are branched and 20 cm. long (*R. multiflorum* Kunth). Flowers medium, subcampanulate, white or a little washed with rose. pubescent, not glandular, odorless. Fruit as large as a currant, round, black, shiny, covered with a withered flower, with regularly reflexed sepals. Pulp colorless, not juicy, containing 15 rather small ovoid or angular seeds. Native of Mexico in the high mountains in the Federal District and elsewhere. It bears in Mexico the name of *Ciruelillo*." (*E. Janczewski, Monographie des Groseilliers, p. 330.*)

40415. *RIBES* ALPESTRE COMMUNE Janczewski.

"7555 M-A."

"(Wilson No. 277 A.) From thickets, Fanghsien, western Hupeh, at altitudes of 2,100 to 2,250 meters. September, 1907." (*Wilson.*)