

42470 to 42475—Continued.

from its parent, the *Victor*, seem to be sufficiently well fixed to merit its recognition as a separate variety, and it has been named *Temprano* on account of its early habit. The *Temprano* is more subject to leaf-blight than any of the varieties mentioned in this paper, and therefore, on account of its deficiency in vigor, it is not recommended for planting on a large scale. In fact, the *Temprano* is of more value in a subtropical than a tropical country, where early frosts at the approach of the cold season destroy the ordinary varieties before their fruiting season is over." (*Wester, Philippine Agricultural Review, p. 267, June, 1914.*)

42475. "*Hybrid.*"

42476. RUBUS sp. Rosaceæ.

From Mobile, Ala. Plants presented by Mr. G. R. McKenzie, landscape gardener. Received April 17, 1916.

"*Family Delight.* Pink berry bush. This berry was found in the woods near Citronelle, Ala. I think it is a cross between the raspberry and blackberry. It makes a good hedge; a hedge 50 feet long planted in the fall of 1910 is 9 feet high and gives us from 2 to 5 quarts of berries a day for about six weeks. My family like the berries much better than they do strawberries. It makes the finest kind of jelly and jam, and as a fresh fruit it is hard to beat." (*McKenzie.*)

42477 to 42519. VITIS spp. Vitaceæ.**Grape.**

From Palermo, Italy. Cuttings received through Mr. F. Paulsen, director, Regio Vivaio di Viti Americane, at the request of the Superior Minister of Agriculture, April 14, 1916. Quoted notes from Dr. Grimaldi, in *La Viticoltura Moderna*.

In 1904, Dr. Clemente Grimaldi wrote concerning his work on the hybridization of grapes: "Notwithstanding the labors given for almost 15 years to hybridization, I have believed that I should maintain the utmost reserve in publishing the hybrids, and until now I have made known only six, all stocks, which are the following: Nos. 50, 88, 125, 791, 110, and 323." Later in the same article he wrote: "Among the hybrids obtained by me the following at present give me the hope that they will be of service as direct producers," and he lists Nos. 88, 97, 317, 953, 1075, and 1132.

These hybrids were requested at the suggestion of Dr. Gustav Eisen, and they represent some of the best results obtained from the hybridization of American species of *Vitis* with *Vitis vinifera* strains of Italian origin for the purpose of securing varieties resistant to *Peronospora* and other diseases. Of the Ruggeri and Paulsen hybrids descriptions have not been accessible, but have probably appeared in later volumes of *La Viticoltura Moderna*.

42477. "Paulsen hybrid No. 2 A (*Riparia* × *Rupestris*)."

42478. "Ruggeri hybrid No. 19."

42479. "Grimaldi hybrid No. 88."

"*Calabrian* × *Rupestris Ganzin* (published in 1889). Extremely vigorous, fertile, with the appearance of *Rupestris*; shoots very large, short and branched. Adaptability to lime similar to Grimaldi hybrid No. 50 (*Calabrian* × *Azemar*), as shown by its behavior in the lime plat (oasi