

27574. DATURA sp.

From Monterey, Cal. Presented by Mr. H. A. Greene, through Mr. Peter Bisset.
Received April 26, 1910.

A supposedly red-flowered variety.

27575. CARICA PAPAYA L.**Papaya.**

From Dongola, Ill. Purchased from the Rose Valley Nurseries, Martin Lewis Benson, proprietor. Received April 23, 1910.

"The female plants of this variety bear a fruit the size of a large muskmelon and are as easily fruited under glass as the tomato. The male plants produce in long racemes and in large clusters enormous quantities of beautiful, waxlike, star-shaped flowers." (*Rose Valley Nurseries*.) (Seed.)

27576 to 27579.

From Para, Brazil. Presented by Mr. Walter Fischer, acting director, Campo de Cultura Experimental Paraense. Received April 25, 1910.

Seeds of the following:

27576. PASPALUM MARITIMUM Trin.

"This grass is the first to take possession of clearings, and is much relished by cattle, and consequently highly valued by the natives. It grows with astonishing rapidity, throwing out runners 20 to 30 feet in length in a very short time. Its height when in flower is 2 to 3 feet. It has a rather thick rhizome, which does not dry out easily, and consequently makes the grass very hard to exterminate when once established. For Florida it would probably make an excellent sand binder and pasture. This grass, according to Dr. Huber, here, has never been named, and it is not known whether it is indigenous or introduced. From its behavior it would appear to be introduced." (*Fischer*.)

Distribution.—In the Provinces of Bahia and Para, in Brazil, and in the Guianas.

27577. AMBELANIA TENUIFLORA Muell. Arg.

"This is called here *Pepino do mato*, i. e., *cucumber of the woods*, or *wood cucumber*. It is a yellow fruit about the size and shape of a small cacao fruit. It contains two seed cavities surrounded by a white flesh of rather firm consistency containing an abundant supply of latex. It is not a fruit that I could recommend very highly. I have not been able to eat it, although it is eaten by the natives." (*Fischer*.)

Distribution.—In the primeval woods along the banks of the Amazon in the Province of Para, Brazil.

27578. RHEEDIA MACROPHYLLA (Mart.) Planch. & Triana.

"*Bacury pary* (pronounced *Bah-coo-reé pah-reé*). This is a yellow or orange-yellow fruit the size of an egg, with a very pronounced beak at the calyx end and filled with four seeds, each surrounded by a very small quantity of agreeable-tasting and refreshing acidulous pulp. This tree is said to be quite common about Para, but as yet I have not seen one, having purchased the fruits on the market. The basketful as I purchased it smelled exactly like a basketful of gooseberries." (*Fischer*.)

Distribution.—French and Dutch Guiana and the valley of the Amazon in the Province of Para, Brazil.

27579. ROLLINIA ORTHOPETALA A. DC.

"This is, as Prof. Baker wrote, the finest anonaceous fruit in tropical America. It is the only one of those which I have tasted that I liked, and on first trial