

30483—Continued.

down and lead the strength of the plant to producing tubers, like the effect on a pot-bound plant of making it do something besides make rootlets. The ground should not be too dry, and this kind of soil will be all right without watering, except at first. In our region (latitude of Kentucky) it is planted in trenches dug as described, in April, in black and sandy soil (that is what the man said, though it seems to me like a contradiction), and the ground is not enriched. It is dug in the autumn. The price now (March 4) is about 5 cents a pound, but two months ago it was less than 3 cents, and in a month or two it will be twice as much." (*Mateer.*)

30486. ANNONA sp.**Annona.**

From Para, Brazil. Presented by Mr. Walter Fischer, acting director, Campo de Cultura Experimental Paraense. Received April 7, 1911.

"About three years ago Dr. J. Huber brought the original seed of this from the River Purus; a year ago I planted several of the young trees on the station grounds and the seeds are from fruits from these trees.

"The fruit is almost spherical and only slightly heart shaped; it is smooth and of a greenish orange color; weight about 6 ounces; meat of a beautiful orange and in fair quantity; taste, like that of all the annonas, difficult to describe, but with a suggestion of rosin, and not unlike some apples I have eaten; probably capable of improvement, and fruits may become larger on older trees. The tree in general aspect as well as in its bark and foliage strongly resembles the persimmon." (*Fischer.*)

30487. PASSIFLORA LIGULARIS Juss.**Passion fruit.**

From Orizaba, Vera Cruz, Mexico. Presented by Mr. William W. Canada, American consul, Vera Cruz. Received April 10, 1911.

30488. ZIZIPHUS JUJUBA Miller.**Jujube.**

From Chingchowfu, via Kiaochow, China. Presented by Mr. W. M. Hayes, Gotch-Robinson Union Theological College. Received April 10, 1911.

"Cuttings of the largest variety of Chinese dates that I could hear of. The Chinese claim that they are not easy to graft successfully, so they will have to be given the best possible chance." (*Hayes.*)

30491. SPONDIAS PINNATA (L.) Kurz.

From Sibpur, Calcutta, India. Presented by Maj. A. T. Gage, superintendent, Royal Botanic Garden. Received April 11, 1911.

Distribution.—A small tree occurring both wild and cultivated throughout India from the Indus eastward and southward to Malakka and Ceylon, rising to an elevation of 5,000 feet in the Himalayas; cultivated throughout tropical Asia.

30492 to 30494.

From Panama. Collected by Mr. H. Pittier, Bureau of Plant Industry. Received April 13, 1911.

30492. RHEEDIA EDULIS (Seem.) Planch. and Triana.**Sastra.**

See No. 27485 for description.

Seeds.

30493. ARRACACIA XANTHORRHIZA Bancr.**Arracacha.**

From Chiriqui.

Tubers.

30494. PERSEA sp.**Avocado.**

"A wild species of avocado which may be a good stock for grafting the finer varieties." (*Pittier.*)

Seeds.