

29537 and 29538—Continued.

seems quite probable from this that the plant grows in a region where the temperature occasionally falls to 10° F., and in rare cases nearly to zero. It is the hardiest of all evergreen citrus fruits and is very promising for use in breeding new and hardy types. Not only has it highly developed ability to withstand cold, but it is very likely to have the even more desirable quality of being able to withstand occasional spells of hot weather in winter, a quality usually possessed by desert plants. It is not at all improbable that it can be utilized in its present form in many parts of Arizona, as well as in some parts of southern Utah, Nevada, and southern Oregon. It is obviously drought resistant, a point of the greatest interest, both botanically and agriculturally, and its introduction into the United States will undoubtedly lead to the inauguration of a new era in the breeding of citrus fruits." (*W. T. Swingle.*)

Distribution.—In the valleys of the Maranoa, Suttor, and Burdekin Rivers, and Broad Sound and Port Denison in the Province of Queensland, Australia.

29538. PASSIFLORA EDULIS Sims.**Passion flower.**

"This is a great improvement on any we have here. Its history follows: We have two varieties of passion fruit, and working on the Darwinian theory that crossing varieties revitalizes the offspring, I crossed the two varieties two years ago, and the fruit from which these seeds were taken is the result of the cross." (*Pink.*)

29539. DIOSCOREA sp.**Yampie.**

From Gatun, Canal Zone, Panama. Presented by Lieut. Col. William F. Sibert. Received February 9, 1911.

"The pink-fleshed yampie, of Panama, which is considered by the natives as one of the choice tuberous-rooted vegetables. The growing plant resembles in general appearance the ordinary white yams of the Tropics, but it is not of as vigorous growth as these. Some of the tubers will be grown at the Plant Introduction Garden at Brooksville, Fla., for later distribution." (*H. F. Schultz.*)

29540. DIOSCOREA sp.**Yampie.**

From Culebra, Canal Zone, Panama. Presented by Mr. Alfred D. Dyer. Received February 8, 1911.

"This is the pink-skinned yampie, which differs in appearance of both tubers and foliage from the pink-fleshed variety (No. 29539). It is grown quite extensively throughout Central America and forms a very appetizing dish prepared in many ways similar to the ordinary white potato, which it is generally conceded to excel in flavor by Americans and Europeans. The same disposition has been made of these tubers as of the preceding number." (*H. F. Schultz.*)

29629. CITRUS sp.**Orange.**

From Gan Doo Awn, Mawmai State, Southern Shan States, Burma. Collected by Rev. H. C. Gibbens, M. D., American Baptist Shan Mission, Monghai, Southern Shan States, Burma. Presented by Mr. Oglesby Paul, Fairmount Park, Philadelphia, Pa., through Mr. Edward Simmonds, Subtropical Garden, Miami, Fla. Received February 13, 1911.

"These seeds are from the best variety of orange grown in Burma. The rind comes off very easily and is not adherent to the fruit itself. I have never tasted any American oranges that could approach anywhere near to their flavor. Their natural habitat is a very warm lowland. They will not grow in Monghai." (*Gibbens.*)