

45362 to 45364.

From Puerto Bertoni, Paraguay. Seeds presented by Dr. Moises Bertoni. Received October 15, 1917.

45362. CYPHOMANDRA sp. Solanaceæ. **Tree-tomato.**

"*Aguará-ihvá.* July, 1917. A perennial shrub, up to 50 cm. high, with large leaves and large, edible, depressed-globular fruits. Found on the plains or savannahs in this vicinity, at altitudes of 170 to 270 meters." (*Bertoni.*)

45363. SOLANUM CHACOENSE Bitter. Solanaceæ. **Potato.**

"Collected July 25, 1917. A tuberous species found in stony and sandy places at the edge of woods." (*Bertoni.*)

It is related to *Solanum tuberosum* and its varieties, but is distinguished from them by having the calyx divided up to one-third of the length. The tubers are globose or subglobose, three-fifths of an inch in diameter, with thin yellowish skin. (Adapted from *Bitter*, in *Fedde Repertorium*, vol. 9, p. 145, 1911.)

45364. SOLANUM VIOLAEFOLIUM Schott. Solanaceæ.

"August, 1917. When fully ripe the fruit is edible and of excellent flavor. Found in partly shady places at altitudes of 170 to 230 meters. Used as a cover crop between coffee trees, etc." (*Bertoni.*)

45365. RUBUS GLAUCUS Benth. Rosaceæ. **Andes berry.**

From Manizales, Colombia. Seeds presented by Mr. M. T. Dawe. Received October 20, 1917.

"The Andes berry is found in the highlands of tropical America from southern Mexico to Ecuador and Peru. In character of growth and foliage it is an extremely vigorous raspberry, but in fruit it more closely resembles a blackberry, since it does not 'pull off' or come away from the receptacle when ripe. The plant grows to 15 feet in height, with slender, half-trailing canes; the berries are oblong to heart-shaped, an inch long, dark maroon, soft and juicy, with small soft seeds. In flavor they resemble our loganberry, but they are somewhat sweeter and better. The plant should be tested throughout the southern and western United States." (*Wilson Popenoe.*)

45366 to 45447.

From Pretoria, Transvaal, Union of South Africa. Seeds presented by Mr. I. B. Pole Evans, chief, Division of Botany, Department of Agriculture. Received October 15, 1917. Quoted notes by Mr. Evans.

45366. HORDEUM INTERMEDIUM CORNUTUM (Schrud.) Harlan. Poaceæ. **Barley.**

"No. 18. A rust-resistant barley from Fauresmith, one of the important wheat-growing areas in the Orange Free State."

45367. SECALE CEREALE L. Poaceæ. **Rye.**

"Rust-resistant rye-wheat from one of the most important wheat-growing areas in the Orange Free State."