Guaiacum officinale L. (Zygophyllaceae.) 44858. **Guayacan** seeds from Zacapa, Guatemala. Collected by Dr. F. S. Johnson, and sent through Mr. Wilson Popenoe, of this Bureau. "(No. 145a. June 5, 1917.) The **gauyacan** sometimes called by Americans **lignum vitae,** is found in abundance upon the plains of the lower Motagua valley, in the vicinity of El Rancho, Zacapa, and other towns. It is a small tree sometimes attaining a height of 30 feet, and usually somewhat spreading in habit. The trunk is gnarled and twisted, with slender branches bearing small and delicate leaves. Toward the end of the dry season, i.e., in February or March, the tree comes into flower, and is then a mass of Lavender purple, distinguishable for long distances across the plains. It remains in bloom for several weeks. The wood is exceedingly hard, and, though difficult to work, it is of value for cabinet purposes. The heartwood is rich brown in color, while the sapwood which surrounds it is light yellow. Both take a fine polish. The tree thrives in a warm climate, with little rainfall. The soil upon which it grows is often rocky and poor. Whether it will stand any frost cannot be stated, but it seems likely that it may succeed in parts of California and Arizona, and perhaps also in Florida. Small trees often flower profusely. It should be given a trial as an ornamental in the regions mentioned." (Popenoe.)

Hydnocarpus alpina Wight. (Flacourtiaceae.) 44896. Seeds froom Buitenzorg, Java. Presented by Dr. J. C. Koningsberger, Director, Botanic Garden. **var. elongata.** Apparently an unpublished varietal name. The species may be described as follows: A large tree, 70 to 100 feet in height, with very variable leaves (red when young and deep green when old), up to 7 inches in length and 2½ inches in width, and dioecious flowers in axillary racemes. The fruit is globose, about the size of an apple, with a brown, hairy surface. The seeds yield an oil which is used as fuel, and the wood is employed for general carpentry. It is a native of the Nilghiri Hills in southern India. (Adapted from Watt, Dictionary of the Economic Products of India, vol. 4, p. 308, and from J. D. Hooker, Flora British India, vol. 1, p. 197.)

Leptospermum scoparium Forester. (Myrtaceae.) 44848. **Manuka** seeds from Avondale, Auckland, New Zealand. Presented by Mr. H. R. Wright. "No. 1. Very hardy.