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Plant Inventory No. 145

UNITED STATES DEPARTMENT OF AGRICULTURE
Washington, D. C., October 1950



PLANT MATERIAL INTRODUCED BY THE DIVISION OF PLANT EXPLORATION AND INTRODUCTION, BUREAU OF PLANT INDUSTRY,¹ OCTOBER 1 TO DE- CEMBER 31, 1940 (Nos. 139273 to 139627)

CONTENTS

	Page
Inventory	1
Index of common and scientific names.....	25

This inventory, No. 145, lists the plant material (Nos. 139273 to 139627) received by the Division of Plant Exploration and Introduction during the period from October 1 to December 31, 1940. It is a historical record of plant material introduced for Department and other specialists, and is not to be considered as a list of plant material for distribution.

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I N V E N T O R Y

139273 to 139275.

From Turkey. Bulbs presented by Hanna Boutros, Mersine. Received October 16, 1940.

139273. *GLADIOLUS ATROVIOLACEUS* Boiss. Amaryllidaceae.

139274. *IRIS PERSICA* L. Iridaceae.

For previous introduction see 106023.

139275. (Undetermined.)

139276. *CHORISIA SPECIOSA* St. Hil. Bombacaceae.

Floss-silk-tree.

From Brazil. Seeds presented by J. Borges, São Paulo. Received October 5, 1940.

¹Now Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, United States Department of Agriculture.

139276—Continued

Paina. A timber tree; the floss from the seed pods is used locally like kapok.

For previous introduction see 118374.

139277. SOLANUM sp. Solanaceae.

From Honduras. Seed collected by Raymond Stadelman, Montana Farm, east of Tela. Received October 9, 1940.

Tomatillo. Plant covered with sharp spines; resembles wild tomato.

139278. EUGENIA AUSTRALIS Wendl. Myrtaceae.

Australian brush-cherry.

From California. Seeds presented by Wm. Hertrich, Huntington Botanic Garden, San Marino. Received October 12, 1940.

For previous introduction see 98848.

139279. GARCINIA CAMBOGIA (Gaertn.) Desr. Clusiaceae.

From Guatemala. Seeds presented by Wilson Popenoe. Received October 16, 1940.

For previous introduction see 70759.

139280 and 139281. PANICUM MILIACEUM L. Poaceae. **Proso.**

From Canada. Seeds presented by T. M. Stevenson, Dominion Agrostologist, Central Experimental Farm, Ottawa. Received October 15, 1940.

139280. *Crown millet*.

139281. *Empire millet*.

For previous introduction see 138747.

139282. POA FLABELLATA (Lam.) Raspail. Poaceae.

Tussock grass.

From the Falkland Islands. Seeds presented by R. C. Pole Evans, Agricultural Department, Stanley. Received October 2, 1940.

For previous introduction see 67134.

139283. SACCHARUM. Poaceae.

Sugarcane.

From Barbados. Cuttings presented by the Department of Science and Agriculture. Received October 5, 1940.

139284. ANNONA DIVERSIFOLIA Safford. Annonaceae. **Ilama.**

From Guatemala. Seeds presented by Wilson Popenoe, Antigua. Received October 5, 1940.

For previous introduction see 105716.

139285 to 139335. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From California. Seeds presented by C. Vargas, Peru, through Dr. T. H. Goodspeed, University of California, Berkeley. Received October 17, 1940.

139285. No. 384. *Alcca chillca*.

139290. No. 361. *Coscco mactillo*.

139286. No. 415. *Alcca misquila*.

139291. No. 140. *Cchuaillos*.

139287. No. 343. *Alcca-palta*.

139292. No. 1. *Choaviscca*.

139288. No. 388. *Alccaihuarmi*.

139293. No. 13. *Choachineca*.

139289. No. 161. *Ccolosti*.

139294. No. 199. *Ckamarancho*.

139285 to 139335—Continued

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|------------------|-------------------------|------------------|--|
| 139295. | <i>Chari-chuequena.</i> | 139317. No. 400. | <i>Socco huaccoto.</i> |
| 139296. No. 357. | <i>Ckoe sullu.</i> | 139318. No. 120. | <i>Suallallanqui.</i> |
| 139297. No. 335. | <i>Colquepata.</i> | 139319. No. 418. | <i>Suittu rumu.</i> |
| 139298. No. 336. | <i>Cuchillo paqui.</i> | 139320. No. 18. | <i>Surimana.</i> |
| 139299. No. 83. | <i>Herckailla.</i> | 139321. No. 160. | <i>Tana chehuillo.</i> |
| 139300. No. 410. | <i>Huaca ccallo.</i> | 139322. No. 392. | <i>Tana cusi.</i> |
| 139301. No. 85. | <i>Lampo-carhua.</i> | 139323. No. 398. | <i>Tana huarmi</i>
<i>quequena.</i> |
| 139302. No. 355. | <i>Nactillo.</i> | 139324. No. 103. | <i>Tana suallu-</i>
<i>llanqui.</i> |
| 139303. No. 173. | <i>Mantacra.</i> | 139325. No. 406. | <i>Tana mactillo.</i> |
| 139304. No. 339. | <i>Muru poccoya.</i> | 139326. No. 298. | <i>Tana mactacha.</i> |
| 139305. No. 412. | <i>Packai imilla.</i> | 139327. No. 402. | <i>Taruca ccolata.</i> |
| 139306. No. 113. | <i>Palta paullu.</i> | 139328. No. 89. | <i>Toccoro.</i> |
| 139307. No. 166. | <i>Poccaya.</i> | 139329. No. 341. | <i>Tunas alccay-</i>
<i>huarmi.</i> |
| 139308. No. 315. | <i>Puca lumucha.</i> | 139330. No. 377. | <i>Turac kallhua.</i> |
| 139309. No. 364. | <i>Puca mama.</i> | 139331. No. 365. | <i>Turac misquilla.</i> |
| 139310. | <i>Puca misquilla.</i> | 139332. No. 333. | <i>Turac puccoya.</i> |
| 139311. No. 97. | <i>Puca paullu.</i> | 139333. No. 105. | <i>Turac suittu.</i> |
| 139312. No. 349. | <i>Puca ppalta.</i> | 139334. No. 169. | <i>Turac tacclea.</i> |
| 139313. No. 329. | <i>Puca puli.</i> | 139335. No. 347. | <i>Urpi chupa</i>
<i>maccta.</i> |
| 139314. No. 379. | <i>Puca soli.</i> | | |
| 139315. No. 360. | <i>Quehuillo.</i> | | |
| 139316. No. 409. | <i>Sahuasirai.</i> | | |

139336 to 139422.

From the Dutch East Indies and the Philippine Islands. Material collected by the Fairchild-Archbold Expedition. Numbered in November 1940.

Unless otherwise stated, material was received as seeds and was collected in the Dutch East Indies.

139336. ACANTHUS sp. Acanthaceae.

No. 303. From low, sandy places on the island of Boeroe, Moluccas, May 2, 1940. A plant 2 to 3 feet high, with dark-green, almost spineless leaves, spikes of white flowers, and brownish-orange fruits.

139337. AEGICERAS CORNICULATUM (L.) Blanco. Myrsinaceae.

No. 310. From the island of Boeroe, May 3, 1940. A swamp shrub, with fragrant white flowers borne in clusters.

139338. ALBIZZIA sp. Mimosaceae.

No. 299. From Tomahoe Island, Moluccas, May 1, 1940.

139339 to 139341. ALPINIA spp. Zingiberaceae.

139339. ALPINIA sp.

No. 306. From Mount Tomahoe, island of Boeroe, May 2, 1940. A species with lanceolate, dark-green leaves more than 1 foot long and scarlet fruits in bunches 1 foot long.

139336 to 139422—Continued

139340. ALPINIA sp.

No. 355. From Kasiroeta Island, Moluccas, May 20, 1940. A tall, leafy, grasslike plant, with red fruits nearly 1 inch long, in long pendent clusters.

139341. ALPINIA sp.

No. 373. From Halmahera, near Pajahi Bay, Moluccas, May 27, 1940.

139342 to 139344. ARECA spp. Phoenicaceae.

Palm.

139342. ARECA sp..

No. 324. From Manipa Island, May 5, 1940. A pinnate-leaved stilt palm about 20 feet high, with very dark-green leaves 6 to 8 feet long. The leaflets are up to 1 foot wide. The ovoid fruits, 1¼ inches long, are lacquer red and are borne in branched clusters.

139343. ARECA sp.

No. 374. From Halmahera near Pajahi Bay, Moluccas, May 29, 1940. A stilt palm 20 feet high, with dark-green leaves 3 to 5 feet long. The long-pointed leaflets are 2 to 3 feet in length, and the obovoid yellow fruits, about 2 inches long, are crowded into a solid mass of about 200 fruits.

139344. ARECA sp.

No. 411. From Karekelang Island, Talaud Group, June 12, 1940. A stilt palm 25 feet tall, with stilt roots 4 to 12 feet long. The fruits are a brilliant lacquer red.

139345. BAUHINIA sp. Caesalpinaceae.

No. 325. From Manipa Island, Moluccas, May, 1940. A vigorous shrub or small tree, with gray-green leaves 1 inch long.

139346. BIKKIA GAUDICHAUDIANA Brongn. Rubiaceae.

No. 404. From Dagoasoei Island, June 7, 1940. A showy shrub, with dark-green obovate leathery leaves and long, fragrant, trumpetlike flowers, white striped with purple, 4 inches long and 2 inches across.

139347. BOERLAGIODENDRON sp. Araliaceae.

No. 422. From Karekelang Island, Talaud Group, June 13, 1940.

139348. CALAMUS sp. Phoenicaceae.

Palm.

No. 31. *Biri*. Seeds collected in Mount Makiling National Park, Luzon, Philippine Islands, October 29, 1939.

139349. CALOPHYLLUM sp. Clusiaceae.

No. 313. From the island of Boeroe, Moluccas, May 3, 1940. A tree, with glossy green leaves 6 inches long and 4 inches wide and globose green fruits about 1 inch in diameter.

139350 and 139351. CALYPTROCALYX SPICATUS (Lam.) Blume. Phoenicaceae.

Palm.

139350. No. 301. From the island of Boeroe, Moluccas, May 2, 1940. A pinnate-leaved palm about 30 feet tall, with bright-red fruits borne on a single stem 8 to 10 feet long.

139351. No. 407. (No data received.)

139352. CELTIS PHILIPPENSIS Blanco. Ulmaceae.

No. 439. From Mount Makiling National Park, Luzon, Philippine Islands, July 12, 1940. A handsome shade tree, with large leathery leaves; much more attractive than *Celtis australis*.

139336 to 139422—Continued

139353. CLERODENDRUM sp. Verbenaceae.

No. 317. From Manipa Island, May 6, 1940. A species, with gorgeous red flowers in spikes 15 inches long. The dark-green palmate-cordate leaves are about 15 inches long and wide.

139354. (Undetermined.)

No. 375. From the Bai River, Pajahi Bay, Halmahera Island, May 29, 1940. A large forest tree 50 feet high, with large, leathery, ovate leaves 6 inches long and large tangerine-red fruits that resemble those of *Terminalia catappa*.

139355. CORDIA sp. Boraginaceae.

No. 357. From Batjan Island, Moluccas, May 19, 1940. A strand tree, with broadly ovate, papery leaves up to 6 inches long, and tubular, salmon-colored flowers $1\frac{1}{2}$ inches long and $1\frac{1}{2}$ inches across the corolla.

139356. CORDIA sp.

No. 405. From the Loloda Islands, Halmahera, Moluccas, June 7, 1940.

139357. CYCAS sp. Cycadaceae.

No. 360. From Mandioli Island, Batjan, Moluccas, May 18, 1940. A cycad about 10 feet high, with a crown of glossy green leaves up to 9 feet long, the leaflets up to 1 foot long and $\frac{3}{4}$ inch wide. The fruits, $\frac{1}{4}$ inch in diameter, were distinctly flattened.

139358. DAEMONOROPS sp. Phoenicaceae.

Palm.

No. 436. *Yas-yas*. From Barrio Cabigaan, Aborlan, Palawan Island, Philippine Islands, May, 1940.

139359. DODONAEA sp. Sapindaceae.

No. 327. From Manipa Island, Moluccas, May 6, 1940. A strand tree common on the beach.

139360. DOLICHANDRONE SPATHACEA (L. f.) K. Schum. Bignoniaceae.

No. 368. From Mandioli Island, Moluccas, May 20, 1940. A medium-sized tree, with pale-green leaves and large yellow flowers.

139361. ERYTHRINA sp. Fabaceae.

No. 329. From Manipa Island, Moluccas, May 6, 1940. A large tree with dark-red flowers.

139362 to 139365. FICUS spp. Moraceae.

139362. FICUS sp.

No. 371. From Pajahi Bay, Halmahera, Moluccas, May 26, 1940. A tall, buttressed tree, 60 feet high, with large thin leaves, and round, pink-and-green fruits, $1\frac{1}{2}$ inches in diameter, which apparently are not used by the natives.

139363. FICUS sp.

No. 384. From Kahatola Island, Loloda Group, Moluccas, June 1, 1940. A small, attractive tree, with numerous fruits, yellow becoming red, and about $\frac{1}{2}$ inch in diameter. The oval acute leaves are about 6 inches long.

139364. FICUS sp.

No. 389. From Kahatola Island, Moluccas, June 3, 1940. A small tree, with oblong, acute pale-green leaves 5 inches long, and abundant small fruits, yellow becoming deep crimson.

139336 to 139422—Continued

139365. *FIGUS* sp.

No. 418. From Karakelang Island, Talaud Group, Moluccas, June 13, 1940. A small tree, with rough, dark-green, ovate leaves 7 inches long, and orange-yellow fruits 1 inch long, turning red as they ripen; the edible fruits have a good flavor and texture.

139366. *GARCINIA* sp. Clusiaceae.

No. 339. From Mandioli Island, Moluccas, May 19, 1940. A small tree about 10 feet high, with brilliant orange-red fruits the size of plums. The fruit has a thin shell, with pulp of indifferent or even unpleasant flavor.

139367. *HELICONIA* sp. Musaceae.

No. 392. From Halmahera Island, Moluccas, June 2, 1940. Apparently a wild species.

139368. *HERNANDIA PELTATA* Meissn. (*H. ovigera* L.) Hernandiaceae.

No. 311. From the beach, Tengali Island, Moluccas, May 1, 1940. A large tree, with fragrant flowers and barrel-shaped fruits.

For previous introduction see 67185.

139369. *HIBISCUS* sp. Malvaceae.

No. 338. From Mandioli Island, Moluccas, May 19, 1940. A striking species, with pendent flowers in panicles 4 inches long. The petals, red with white bases, are entire and twisted.

139370. *HOYA* sp. Asclepiadaceae.

No. 296. From Tamahoe Island, Moluccas, May 1, 1940. A tall climbing plant, with handsome dark-green broadly ovate, pointed leaves with prominent midrib, up to 4 by 2½ inches, the upper surface with scattered hairs easily rubbed off. The dull, light-yellow flowers, 1½ inches across and on stems 1 inch long, are in clusters of three to five and are followed by three-sided grooved pods about 5½ by 1¾ inches.

139371. *HOYA* sp.

No. 300. From Tamahoe Island, Moluccas, May 2, 1940. Similar to No. 296 (P. I. 139370), but with leaves more inclined to be bullate and with larger pods.

139372. *INTSIA BIJUGA* (Colebr.) O. Kuntze. (*Afzelia bijuga* A. Gray) Caesalpinaceae. Ipil.

No. 401. From Dagoeseli Island, Moluccas, September 1940. A tall handsome shade tree, with light-green compound leaves and with fragrant white and reddish flowers in large conspicuous clusters.

139373. *IXORA* sp. Rubiaceae.

For previous introduction see 106607.

No. 332. From Ambon, Amboina Island, May 9, 1940. A large, handsome shrub, with light-red flowers nearly 2 inches long, in dense clusters, followed by small kidney-shaped fruits, brilliant red turning to black.

139374. *LEEA* sp. Vitaceae.

No. 403. From Toeakara Island, Loloda Group, June 7, 1940. A rapid-growing shrub that bears juicy black fruits, about ½ inch in diameter, in large corymbose clusters 8 inches across. The fruits are not eaten, but are used for medicinal purposes.

139375. *LICUALA* sp. Phoenicaceae.

Palm.

No. 351. From Mandioli Island, Batjan Group, Moluccas, May 19, 1940. A solitary fan palm, up to 10 feet high, with dark-green palmate leaves 2½ feet across, divided into about 20 narrow leaflets. The orange-red fruits, ½ inch in diameter, are borne on a branched stem about 3 feet long.

139336 to 139422—Continued

139376. *ANTIDESMA* sp. Euphorbiaceae.

No. 259. From the market at Bang Kalang, Madoera, March 16, 1940. A tropical evergreen tree, similar to *Antidesma bunius*, but with smaller berries in more compact clusters. The leaves are mixed with food to give it a sour taste.

139377. *MUCUNA* sp. Fabaceae.

No. 326. From Manipa Island, Moluccas, May 6, 1940.

139378. *MUSA* sp. Musaceae.

No. 388. From Halmahera Island, South Loloda Group, Moluccas, June 2, 1940. A stoloniferous species 20 feet high, with leaves 12 feet long. The bronze-orange fruit, about 4 inches long, has a tough waxy skin and black seeds in creamy but scanty flesh.

139379. *ONCOSPERMA HORRIDUM* (Griff.) Scheff. Phoenicaceae. Palm.

No. 428. From the Mount Makiling National Park, Luzon, Philippine Islands, July 12, 1940. A handsome spiny pinnate-leaved palm, with salmon-red leaf sheaths. The large purple fruits, the size of Black Hamburg grapes, are in large compact clusters on lacquer-red stems.

For previous introduction see 136636.

139380. *ORANIA PALINDAN* (Blanco) Merr. Phoenicaceae. Palm.

No. 365. From swampy places near Sambaki, Batjan Island, Moluccas, May 23, 1940.

For previous introduction see 135444.

139381. *PANDANUS* sp. Pandanaceae.

No. 292. (No data received.)

139382. *PANDANUS DUBIUS* Spreng.

No. 363. From Noessa Raloid Island, Batjan Group, Moluccas, May 25, 1940. A large tree 60 feet high, with spiny, gray-green leaves 10 to 20 feet. The 10 to 20 large stilt roots are up to 20 feet long and 6 inches in diameter.

139383. *PANDANUS POLYCEPHALUS* Lam.

No. 307. From Tomahoe Island, Moluccas, May, 1940. A narrowleaved species, with glossy scarlet ellipsoid fruits 2 inches long, in large clusters 8 inches long.

139384. *PIGAFETTIA ELATA* (Mart.) Wendl. Phoenicaceae. Palm.

No. 369. From Pajahi Bay, Halmahera Island, Moluccas, May 27, 1940.

For previous introduction see 138407.

139385 to 139388. *PINANGA* spp. Phoenicaceae. Palm.139385. *PINANGA* sp.

No. 290. From Wowoni Island, southeast of Celebes, April 29, 1940. A slender-stemmed cluster palm 25 feet high, with irregularly spaced leaflets. The spineless leaf sheaths, 2 feet long, are covered with a white "bloom," and the ivory-white flowers in clusters 1 foot long are succeeded by purple-black fruits.

139386. *PINANGA* sp.

No. 323. From Manipa Island, Moluccas, May 6, 1940. A very slender feather palm up to 50 feet tall, with a trunk only 2 to 3 inches in diameter. The leaves are 6 feet long with slender irregularly placed pinnae. The small red fruits are $\frac{1}{4}$ inch in diameter.

139336 to 139422—Continued

139387. PINANGA sp.

No. 377. From South Loloda Bay, Halmahera Island, Moluccas, June 4, 1940. A tall cluster palm 30 feet high, with a trunk 3 inches in diameter. The dull magenta-red oblong fruits, $\frac{3}{4}$ inch long, are borne in a large branched cluster 2 feet across.

139388. PINANGA sp.

No. 386. From Kahatola Island, South Loloda Group, Moluccas, June 2, 1940. A palm, with light-red pointed fruits $\frac{1}{2}$ inch in diameter.

139389. PREMNA sp. Verbenaceae.

No. 421. From Karakelang Island, Talaud Group, Moluccas, June 12, 1940. A bushy tree, with black fruit, related to *P. odorata*. The tree from which the seeds were collected was so heavily loaded with fruit that it may be a distinct strain or variety.

139390. PREMNA ODORATA Blanco. (*P. pubescens* Blume.)

No. 395. From Laba River, Halmahera Island, Moluccas, June 4, 1940. Possibly a more vigorous strain than usual, with larger clusters of black berries.

For previous introduction see 35453.

139391. RHOPALBLASTE sp. Phoenicaceae. Palm.

No. 385. *Goeroebe*. From Kahatola Island, South Loloda Group, Moluccas, June 2, 1940. A tall solitary feather palm, up to 100 feet high, with leaves up to 15 feet long and leaflets up to 3 feet long. The oval red fruits, 7 inches long, are in a huge branched cluster 4 feet across.

139392. SANDORICUM KOETJAPE (Burm. f.) Merr. (*S. indicum* Cav.) Meliaceae. Santol.

No. 440. From Pasay Rizal, Manila, Philippine Islands, July 1940. The dull greenish-yellow fruits, at a distance resembling small oranges, contain a rather scanty white pulp of a pleasantly acid flavor, used in beverages and for preserves.

For previous introduction see 89418.

139393. SCHEFFLERA sp. Araliaceae.

No. 340. From Mandioli Island, Moluccas, May 19, 1940. A shrub, with large attractive palmately divided leaves and clusters of orange berries that turn claret red upon ripening. It grows on the calcareous strand a few feet from salt water.

139394. SOPHORA TOMENTOSA L. Fabaceae.

No. 337. From Mandioli Island, Moluccas, May 19, 1940. An excellent strand tree, growing down to the very edge of the water.

For previous introduction see 107002.

139395. STERCULIA sp. Sterculiaceae.

No. 382. From Kahatola Island, South Loloda Group, Moluccas, June 1, 1940. A medium-sized strand tree, with entire, thin, ovate leaves 5 inches long, showy red pods 2 inches long, and polished brown seeds.

139396. STERCULIA sp.

No. 410. From Karakelang Island, Talaud Group, Moluccas, June 12, 1940. The showy red pods of this species are narrower and more sharp-pointed than others collected in this region.

139397. TACCA sp. Taccaceae.

No. 399. From trail to Mount Loloda, Halmahera Island, Moluccas, June 3, 1940. A perennial, 2 to 3 feet high, with rhizomes and palmate leaves. The fleshy red six-lobed berries are $\frac{3}{4}$ inch across.

139336 to 139422—Continued

139398 to 139400. UVARIA spp. Annonaceae.

139398. UVARIA sp.

No. 322. From Manipa Island, Moluccas, May 6, 1940. A tall-growing woody climber, with oblong, glossy-black fruits 5 inches in diameter. The juicy red flesh is acid and of good flavor.

139399. UVARIA sp.

No. 342. From Kasiroeta Island, Moluccas, May 20, 1940. A small tree 8 feet high, with clusters of oval yellow fruits $\frac{1}{2}$ inch by $\frac{3}{8}$ inch; the scanty pulp is very bitter.

139400. UVARIA sp.

No. 396. From Gedi, Halmahera Island, Moluccas, June 4, 1940. A rank-growing vine, with large coarse glossy green leaves and rough, dull brownish-yellow fruits $1\frac{1}{4}$ inches long, of woody texture.

139401. VITEX sp. Verbenaceae.

No. 319. From Maripa Island, Moluccas, May 6, 1940. A tree about 30 feet high, with large spikes of lilac, nonfragrant flowers.

139402. XYLOCARPUS GRANATUM Koen. Meliaceae.

No. 372. From near Pajahi Bay, Halmahera Island, Moluccas, May 27, 1940.

For previous introduction see 67424.

139403. CALLICARPA PENTANDRA Roxb. Verbenaceae.

No. 414. From Karakalang Island, Talaud Group, Moluccas, June 12, 1940. A large tree, with ovate leaves 8 inches long, covered with stellate brown pubescence. The very small purplish flowers are in flat-topped cymes 4 to 6 inches across.

139404. (Undetermined.)

No. 354. From Kasiroeta Island, Batjan Group, Moluccas, May 21, 1940. A gingerlike plant, with immense broad leaves on leafy stems 10 feet long, giving the appearance of a giant reed. The globular fruits, 1 inch in diameter, are in large pendent clusters 20 inches long and 4 inches across.

139405. (Undetermined.)

No. 413. From Karakelang Island, Talaud Group, Moluccas, June 12, 1940. An attractive shrub.

139406. (Undetermined.)

No. 344. From Mandioli Island, Moluccas, May 18, 1940. A small tree, with compound leaves and small pendent clusters of yellow pods. The pods, $\frac{1}{2}$ inch long and $\frac{3}{4}$ inch across, are open to expose two brown seeds covered with shiny red arils.

139407. (Undetermined.)

No. 350. From Kasiroeta Island, Batjan Group, Moluccas, May 1940. A medium-sized tree, with thin, opposite leaves 5 inches long, containing sweetish pulp and one or two brown seeds.

139408. (Undetermined.)

No. 398. From Halmahera Island, Moluccas, June 3, 1940. A slender-branched shrub 10 feet high, sparsely leaved, and covered with clusters of small red berries.

139336 to 139422—Continued

139409. (Undetermined.)

No. 346. From shady places on Kasiroeta Island, Batjan Group, Moluccas, May 20, 1940. A small tree, with whorls of glossy-green leaves. The small, brilliant-red fruits, $\frac{3}{4}$ inch in diameter, are borne in clusters on the trunk, on peduncles about 6 inches long.

139410. (Undetermined.)

No. 353. From Mandioli Island, Batjan Group, Moluccas, May 18, 1940.

139411. (Undetermined.)

No. 415. From Karakelang Island, Talaud Group, Moluccas, June 12, 1940. A climbing plant, with large, dark-green leaves 8 inches long and oval, blue-black fruits 1 inch long, in roundish clusters.

139412. PINANGA sp. Phoenicaceae. Palm.

No. 402. From Halmahera Island, Moluccas, June 7, 1940. A solitary feather palm 30 feet high, with a very slender trunk and stilt roots 1 to 4 feet long. The leaves, 4 to 6 feet long, have very broad pinnae like those of *Caryota*. The small flowers are dark red, spirally arranged on the stem, and the coral-red fruits are $\frac{3}{4}$ inch long.

139413. (Undetermined.)

No. 408. From Morotai Island, Moluccas, June 8, 1940. A tall straight tree, up to 100 feet high, with the trunk unbranched 50 feet from the base. The oval, rough, gray-brown seeds are about 2 inches long.

139414. EUONYMUS sp. Celastraceae.

No. 416. From Morotai Island, Moluccas, June 10, 1940. A shrub, with delicate pinnately divided leaves about 1 foot long and white globular berries, $\frac{1}{4}$ inch in diameter, in clusters.

139415. (Undetermined.)

No. 348. From Kasiroeta Island, Moluccas, May 20, 1940. A tree 40 feet tall, with large opposite glossy-green leaves 10 inches long and deep-scarlet ovoid fruits, 1 inch long, in axillary clusters.

139416. (Undetermined.)

No. 291. From Wowoni Island, east of Celebes, April 29, 1940. A strand shrub, with obovate fleshy leaves 6 inches long, forming clumps 15 feet across. The irregular flowers, with hairy petals and brushlike stigmas, are freely visited by bees.

139417. (Undetermined.)

No. 321. From Maripa Island, Moluccas, May 6, 1940. A small gnarled tree, with narrow, obovate-lanceolate obtuse leaves about 1 inch long and small fragrant white flowers.

139418. (Undetermined.)

An undetermined palm collected in the Dutch East Indies by David Fairchild in 1940.

139419. (Undetermined.)

No. 294. From Wowoni Island, east of Celebes, April 29, 1940. A vigorous vine, with light-green leaves 4 inches long and 2 inches wide and clusters of orange-yellow fruits.

139420. (Undetermined.)

No. 328. From Manipa Island, Moluccas, May 6, 1940. A strand tree, with large, dark-green leaves and fruits of a peculiar shape.

139336 to 139422—Continued

139421. (Undetermined.)

No. 295. From Wowoni Island, east of Celebes, April 29, 1940. A tree 40 feet high, with long-stemmed, spirally arranged, light-green, acute leaves 3 inches across and fragrant, white, tubular flowers 2 inches long. The large, plum-colored, oval inedible fruits, in pairs, are 3½ inches long.

139422. (Undetermined.)

No. 312. From Tomahoe Island, Moluccas, May 2, 1940. An attractive strand tree, with trifoliolate, light-green leaves 6 inches long, that bears small, edible, ovoid berries ½ inch long, in clusters.

139423 to 139425. AMELANCHIER spp. Malaceae.

From Nevada. Seeds presented by Percy Train, Bureau of Plant Industry, United States Department of Agriculture. Received October 18, 1940.

139423. AMELANCHIER sp.

No. 4346. From Aurora.

139424. AMELANCHIER sp.

No. 4600. From Ruby Mountains, Elko County, August 22, 1940.

139425. AMELANCHIER sp.

No. 4644. From Soldier Creek, Elko County, August 29, 1940.

139426 to 139436. MALUS spp. Malaceae.

From the United States. Seeds collected by Rogers McVaugh, Bureau of Plant Industry, United States Department of Agriculture. Received October 18, 1940.

139426. MALUS sp.

No. 5457. From Virginia Beach, Virginia, September 27, 1940.

139427. MALUS sp.

No. 5462. From Rosedale, Baltimore County, Maryland, September 29, 1940.

139428. MALUS sp.

No. 5473. From north of the Pennsylvania Turnpike at intersection of Somerset, Pennsylvania.

139429. MALUS sp.

No. 5481. From south of Ridgway, Elk County, Pennsylvania, October 2, 1940.

139430. MALUS sp.

No. 5482. From east of Smethport, McKean County, Pennsylvania, October 3, 1940.

139431. MALUS sp.

No. 5484. From east of Port Allegany, in Potter County, Pennsylvania, October 3, 1940.

139432. MALUS sp.

No. 5485. From east of Port Allegany, in Potter County, Pennsylvania, October 3, 1940.

139433. MALUS sp.

No. 5488. From southwest of Newfield, in Schuyler County, New York, October 3, 1940.

139426 to 139436—Continued

139434. MALUS sp.

No. 5492. From Lick Brook, southwest of Ithaca, New York, October 4, 1940.

139435. MALUS sp.

No. 5494. From Lick Brook, southwest of Ithaca, New York, October 4, 1940.

139436. MALUS sp.

No. 5495. From near Bailey Hall, Cornell University, Ithaca, New York, October 4, 1940.

139437 to 139439. HEVEA BRASILIENSIS (A. Juss.) Muell. Arg.
Euphorbiaceae. **Para rubber tree.**

From Haiti. Cuttings presented by Service National de Produits Agricole, Port-au-Prince. Received October 21, 1940.

139437. *No. 20.*139438. *No. 76.*139439. *No. 80.*139440. HEVEA BRASILIENSIS (A. Juss.) Muell. Arg. Euphorbiaceae. **Para rubber tree.**

From Costa Rica. Seeds collected in Guapiles by Robert D. Rands, Bureau of Plant Industry, United States Department of Agriculture. Received October 21, 1940.

139441. NEPHELIUM LAPPACEUM L. Sapindaceae. **Rambutan.**

From Guatemala. Seeds presented by Wilson Popenoe, Antigua. Received October 16, 1940.

An erect tropical tree up to 40 feet high, with compound leaves composed of 5 to 7 pairs of elliptic, obovate, or oblong leaflets about 4 inches long. The crimson or yellowish fruits, in clusters of 10 to 12, are oval, about 2 inches long, and covered with soft fleshy spines less than 1 inch long.

For previous introduction see 112396.

139442 to 139447.

From New Zealand. Trees and plants purchased from Rasmussen, Ltd., Constantia Nursery, Wanganui. Received October 22, 1940.

139442 and 139443. AMYGDALUS PERSICA L. Amygdalaceae. **Peach.**139442. *Orange.*139443. *Wiggins.*139444. AMYGDALUS PERSICA var. NECTARINA Ait. **Nectarine.**
*Zealandia.*139445. AMYGDALUS PERSICA L. **Peach.**
*Rubra.*139446 and 139447. RHEUM RHAPONTICUM L. Polygonaceae. **Common rhubarb.**139446. *Giant Seedless.*139447. *Topp's Winter.*

139448. AGASTACHE BREVIFLORA (A. Gray) Epling. Menthaceae.

From New Mexico. Seeds collected by L. N. Gooding, Soil Conservation Service, United States Department of Agriculture, in the Animas Mountains. Numbered October 25, 1940.

A herbaceous perennial about 2½ feet high, with ovate, gray-green leaves of pleasant mintlike fragrance. The light purple-magenta flowers are in a dense compound terminal raceme. Native to New Mexico.

139449. AEGLE MARMELOS (L.) Correa (*Belou marmelos* (L.) Lyons). Rutaceae. Bel.

From India. Seeds collected by Miss Gertrude R. Anderson, American Baptist Mission, Bhamo, Burma. Received October 19, 1940.

For previous introduction see 114421.

139450. SACCHARUM. Poaceae. Sugarcane.

From Argentina. Cuttings presented by Dr. W. E. Cross, Estación Experimental Agrícola, Tucuman. Received October 29, 1940.

139451. HEVEA BRASILIENSIS (A. Juss.) Muell. Arg. Euphorbiaceae. Para rubbertree.

From Peru. Seeds collected by Dr. E. C. Stakman, Bureau of Plant Industry, United States Department of Agriculture. Received October 30, 1940.

From a tree at the northern end of Requina, October 15, 1940.

139452 and 139453.

From Canada. Plants presented by F. L. Skinner, Dropmore, Manitoba. Received October 31, 1940.

139452. ROSA PERSICA Michx. (*R. berberifolia* Pallas.) Rosaceae. Persian rose.

For previous introduction see 129580.

139453. POPULUS ANGUSTIFOLIA James. Salicaceae.

Weeping Poplar.

139454. FICUS GNAPHALOCARPA (Miq.) A. Rich. Moraceae.

From Africa. Seeds presented by the Department of Agriculture, Luanda, Angola, Portuguese West Africa. Received November 4, 1940.

139455. PENSTEMON DISSECTUS Ell. Scrophulariaceae.

From Georgia. Seeds collected by D. Eyles, United States Public Health Service, Savannah. Received October 28, 1940.

139456 to 139475. SORGHUM VULGARE Pers. Poaceae. Sorghum.

From Africa. Seeds presented by J. B. H. Lejeune, Director, Experimental Station, Rubona, Territories of Ruanda-Urundi. Received October 30, 1940.

139456. *Amamba.*

139457. *Amayenzi.*

139458. *Gihove.*

139459. *Kanyamungo.*

139460. *Karuguma Rouge.*

139461. *Karuguma.*

139462. *Kebo.*

139463. *Mugabo.*

139464. *Mukutyo.*

139465. *Nyagashara.*

139466. *Nyagiteye.*

139467. *Nyarwera.*

139468. *Nyiragikori.*

139469. *Nyirakayanze.*

139456 to 139475—Continued139470. *Nyiramugufi*.139473. *Ruyongo*.139471. *Rugori*.139474. *Urukamba*.139472. *Rutare*.139475. *Urukina*.**139476. CHAENOMELES JAPONICA (Thunb.) Lindl. Malaceae.**

From Ireland. Plants purchased from the Donard Nursery Co., Newcastle, County Down. Received November 7, 1940.

Rowallans Seedling.

For previous introduction see 137550.

139477. AMELANCHIER sp. Malaceae.

From Nevada. Seeds presented by Percy Train, Bureau of Plant Industry, United States Department of Agriculture. Received October 26, 1940.

No. 4377. From 1 mile northwest of Verdi, Washoe County, July 24, 1940. A tree 6 to 8 feet high, with ashen-gray bark. The fruit is unusually large, sweet, very palatable, and better than the average in Nevada.

139478. MALUS sp. Malaceae.

From Virginia. Seeds collected by Rogers McVaugh, Bureau of Plant Industry, United States Department of Agriculture. Received October 26, 1940.

No. 5497. From Ballston, Arlington County.

139479 and 139480.

From Nevada. Plants growing at the United States Plant Introduction Garden, Glenn Dale, Maryland. Numbered November 7, 1940.

139479. *LYCIUM PALLIDUM* Miers. Solanaceae.

Plants grown from seeds collected by Percy Train (No. 1911) at Overton, Nevada. June 2, 1938.

139480. *PENSTEMON RUBICUNDUS* Keck. Scrophulariaceae.

Plants grown from seeds collected by W. A. Archer (No. 6857) in the Wassuk Mountains. September 1, 1938.

139481 and 139482. KALOPANAX PICTUM (Thunb.) Nakai. Araliaceae.

From Massachusetts. Collected at the Arnold Arboretum, Jamaica Plain, by Paul Russell, Bureau of Plant Industry, United States Department of Agriculture. Received November 8, 1940.

AA 12456. A tree with a spread of about 25 feet; trunk 2 feet in diameter.

139481. Plants.

139482. Seeds.

139483. LYCIUM HALIMIFOLIUM Mill. Solanaceae.

From Nevada. Seeds collected by Percy Train, Agent, Bureau of Plant Industry, United States Department of Agriculture. Numbered in November 1940.

No. 1912. From Overton. June 2, 1938.

139484. PHILADELPHUS PURPUREO-MACULATUS Lemoine. Hydrangeaceae.

From Pennsylvania. Plants purchased from B. H. Farr, Wyomissing Nursery Co., Weiser Park. Received November 9, 1940.

For previous introduction see 137556.

139485. PASPALUM URVILLEI Steud. Poaceae. Vasey grass.

From Portugal. Seed presented by H. Chambers, Vila de Barreiros, Maia. Received October 22, 1940.

A frost-resistant grass 5 or 6 feet in height, much relished by stock. A good grass for moist land; gives a heavy yield. Native to Brazil.

For previous introduction see 62048.

139486. ERAGROSTIS sp. Poaceae. Grass.

From the Union of South Africa. Seed presented by the University of the Witwatersrand, Johannesburg. Received November 4, 1940.

139487 to 139508.

From the Philippine Islands and the Dutch East Indies. Material collected by the Fairchild-Archbold Expedition. Received in December, 1940.

Unless otherwise stated, material was received as seeds and was collected in the Philippine Islands.

139487. ALANGIUM LONGIFLORUM Merr. Cornaceae.

No. 453. From the Makiling Arboretum, Luzon, July 23, 1940. A handsome tree about 45 feet high, with large, white tubular flowers $2\frac{1}{2}$ inches long and red, edible fruits $1\frac{1}{2}$ inches in diameter.

139488. ALBIZZIA LEBBECK (L.) Benth. Mimosaceae.

No. 445. From the Makiling Arboretum, Luzon, July 21, 1940. A tree with drooping habit.

139489. ALOCASIA PORTEI (Schott) Engl. and Becc. Araceae.

No. 443. From the Makiling Arboretum, Luzon, July 20, 1940. A giant aroid about 12 feet high, with immense leaves, 6 to 8 feet long, deeply incised with lobes having wavy margins. The brilliant-red fruits, resembling kernels of corn in shape, are borne on rather short spadices.

139490. ARENGA AMBONG Beccari. Phoenicaceae. Palm.

No. 435. *Ambung*. From the Barrio Cabigaan Mpal, Aborlan District, Palawan, May, 1940. This palm, like *Arenga tremula*, has a very short stem and grows in large clumps, but it is much larger and is characterized by its very much broader leaflets, which are prominently lobed, about $2\frac{1}{2}$ feet long, and about 3 inches wide. It is a very beautiful species, though it is never cultivated as an ornamental in the Philippines. The pith was formerly used in the making of blowgun darts. The buds are edible.

139491. ARTOCARPUS CUMMINGIANA Trécul. Moraceae.

No. 442. From the Makiling Arboretum, Luzon, July, 1940. A large shade tree 50 feet tall, with glossy dark-green ovate leaves 1 foot long and rough, irregular, greenish-yellow fruits about $2\frac{1}{2}$ inches long.

139492. BOERLAGIODENDRON PALMATUM (Boerl.) Harms. Araliaceae.

No. 424. From moist sandy places, Zamboanga, Mindanao, June 27, 1940. A fast-growing tree.

139493. CEIBA PENTANDRA (L.) Gaertn. Bombacaceae.

No. 288. From near Govontalo, Celebes, Dutch East Indies. A variety said to be earlier maturing and more productive than other varieties.

For previous introduction see 114897.

139494. COIX LACRYMA-JOBI var. MA-YUEN. (Romanet) Stapf. Poaceae.

Adlay.

No. 462. From Long Berana, Borneo, Dutch East Indies, August 16, 1940. A small-seeded brown variety, known as *Karoekeb* by the Dyaks of Borneo.

139487 to 139508—Continued

139495. *CYRTOSPERMA MERKUSII* Schott. Araceae.

No. 452. Plant collected west of Port Royal, Luzon, July 22, 1940. A giant aroid, with spineless, dark-green heart-shaped leaves that rise from the ground to a height of 18 feet, with petioles 4 inches in diameter. The leaf blade is 6 feet long and 4 feet wide.

For previous introduction see 138956.

139496. *DILLENIA PHILIPPINENSIS* Rolfe. Dilleniaceae.

No. 447. From the Makiling Arboretum, Luzon, July 21, 1940. A tree with broad leaves, large white flowers with papery petals, and green fruits about 2 inches across. The juicy, sour inner segments of the fruit are used for preserves.

For previous introduction see 135428.

139497. *DILLENIA REIFFERSCHIEDIA* Villar.

No. 448. From the Makiling Arboretum, Luzon, July 21, 1940. A species with fruits larger than those of *Dillenia philippinensis*. The tree has a different aspect, with very large leaves.

139498. *EUGENIA* sp. Myrtaceae.

No. 446. From the Makiling Arboretum, Luzon, July 21, 1940. A forest tree that bears clusters of white fruits on the main trunk. The fruit, 1½ inches in diameter, has scanty, watery, sour flesh, and might do for preserves. Introduced as *Eugenia curranii*, but the seeds are not of that species.

139499. *GARDENIA PHILASTREI* Pitard. Rubiaceae.

No. 441. From Manila, July 18, 1940. An Indo-Chinese tree 15 to 20 feet high, with large, light-yellow, very fragrant flowers, 2½ inches across and 3 inches long.

139500. *GARDENIA PSEUDOPSISIDIUM* (Blanco) Vill.

No. 451. From the Makiling Arboretum, Luzon, July 21, 1940. A tree 20 feet high, with attractive dark-green leaves 6 inches long and pure white tubular flowers with a wheel-shaped corolla.

139501. *MEDINILLA* sp. Melastomaceae.

No. 457. From Zamboanga, July 1940.

139502. *PANDANUS* sp. Pandanaceae.

No. 449. From the Makiling Arboretum, Luzon, July 20, 1940.

139503. *PHYLLANTHUS* sp. Euphorbiaceae.

No. 425. From the Toledo Road, Cebu, July 3, 1940. A large open shrub, with branches that are thickly covered with snow-white berries, ¼ to ½ inch across, in small compact clusters.

139504. *PLUMERIA RUBRA* × *ALBA*. Apocynaceae.

No. 459. From the garden of Montague Lord, Manila, July 30, 1940. A red-flowered tree, the result of a cross between these red- and white-flowered species.

139505. *PLUMERIA RUBRA* L.

Nosegay frangipani.

No. 458. From Mrs. George H. Fairchild, Pasay Rizal, Manila, July 20, 1940. A variety with handsome wine-red flowers.

139506. *SANDORICUM KOETJAPE* (Burm. f.) Merr. (*S. indicum* Cov.) Meliaceae.

No. 454. *Santol*. From Paeta Laguna, Luzon, July 23, 1940. A variety noted for its sweetness.

139487 to 139508—Continued

139507. (Undetermined.)

No. 239. (No collection data.) Plants said to belong to the Rhamnaceae.

139508. (Undetermined.)

No. 426. From Toledo Road, Cebu, July 3, 1940. A small tree bearing large pods that turn bright red and open, exposing large purplish-black seeds.

139509 to 139526.

From California. Tubers and bulbs purchased from the University of California, Berkeley. Received November 14, 1940.

Originally collected in South America by T. H. Goodspeed.

139509 and 139510. ALSTROEMERIA PELEGRINA L. Amaryllidaceae.

139509. 40-1048.

139510. 39-2517.

For previous introduction see 92945.

139511. ALSTROEMERIA VIOLACEA Philippi.

39-1615. A Chilean species, with a stem 1 to 2 feet high, scattered, spreading, ovate-oblong leaves 1 inch long, and compound umbels of bright-lilac flowers 1 to 2 inches long, streaked with purple.

For previous introduction see 92947.

139512. BOMAREA sp. Amaryllidaceae.

39-1342.

139513. BOMAREA NEMATOCaulon Killip.

39-1949.

139514. CONANTHERA BIFOLIA Ruiz and Pav. Amaryllidaceae.

37-1010.

139515. EUCHARIS GRANDIFLORA Planch. and Linden. Amaryllidaceae.

39-1432. Bulbs of a Colombian eucharis, with 2 to 4 ovate-acuminate leaves about 4 inches long and 3 to 5 white flowers on a scape more than a foot high. It resembles *Eucharis candida*, but the flowers are about twice as large.

For previous introduction see 107817.

139516. EUSTEPHIA sp. Amaryllidaceae.

39-1023.

139517. HIPPEASTRUM sp. Amaryllidaceae.

38-1080.

139518. HYMENOCALLIS AMANCAES (Ruiz and Pav.) Nichols. Amaryllidaceae.

39-1027. Flowers large, canary yellow with green ribs.

For previous introduction see 117580.

139519. HYMENOCALLIS sp.

139520 to 139523. STENOMESSION spp. Amaryllidaceae.

139520. STENOMESSION sp.

39-1778.

139509 to 139526—Continued

139521. STENOMESSION sp.

39-1042.

139522. STENOMESSION sp.

39-2503.

139523. STENOMESSION sp.

39-2529.

139524 to 139526. URCEOLINA PERUVIANA (Presl) Macbr. Amaryllidaceae.

Bulbs of a tender plant, with wide oblong leaves 1 foot long and a solitary scape with an umbel of 4 to 6 nodding yellow to orange-red flowers. Native to the Andes of Peru.

139524. 39-1041.

139525. 36-2046.

139526. 39-1041.

For previous introduction see 111966.

139527 to 139552.

From Brazil. Seed presented by Dr. A. C. Brade, Botanic Garden, Rio de Janeiro. Received October 31, 1940.

139527. BARBOSA PSEUDOCOCOS Beccari. Phoenicaceae.

Palm.

139528. CASSIA ALATA L. Caesalpinaceae.

Ringworm cassia.

A shrub up to 10 feet high, sometimes cultivated as an ornamental, with pinnate leaves 2 feet long and showy yellow flowers. Native to tropical America.

For previous introduction see 136884.

139529. CASSIA FERRUGINEA DC.

139530. CASSIA LEPTOPHYLLA Vog.

A Brazilian tree, with pinnate leaves composed of 9 to 12 lanceolate-oblong leaflets and many small yellow flowers in terminal racemes about 5 inches long.

For previous introduction see 123792.

139531. CAESALPINIA FERREA Mart. Caesalpinaceae.

139532. CEREUS sp. Cactaceae.

139533. CLITORIA RACEMOSA G. Don. Fabaceae.

139534. DIOCLEA MACRANTHA Huber. Fabaceae.

A somewhat woody tropical climber, with trifoliolate leaves, the leaflets broadly ovate and about 2 inches long. The small lavender flowers are in axillary racemes. Native to northern South America.

For previous introduction see 107452.

139535. ECHINOACTUS HASELBERGII F. Haage. Cactaceae.

139536. EPIPHYLLUM GAERTNERI (Regel) K. Schum. Cactaceae.

Received as *Epiphyllopsis mackoyanum*, now referred to the above species.

139537. TRICHOCEREUS MACROGONUS (Salm-Dyck) Riccobono. Cactaceae.

139538. EUTERPE BADIOCARPA Barb.-Rodr. Phoenicaceae.

Palm.

139527 to 139552—Continued

139539. *EUTERPE EDULIS* Mart. Palm.

A palm, native to Brazil, which becomes 40 feet high, with a slender inclined trunk, pinnate leaves, and fruits the size of marbles. A nutritious beverage is made by the natives from the fibrous flesh surrounding the seeds.

For previous introduction see 104215.

139540. *EUTERPE OLERACEA* Mart. Palm.

A tall graceful solitary palm, with a trunk seldom more than 4 inches in diameter. The pinnate leaves, 4 to 6 feet long, droop gracefully, and the small white flowers are followed by purple, pealike fruits. The fruits yield oils reported to be suitable for making soaps. Native to Brazil.

For previous introduction see 101082.

139541. *HERNANDIA GUIANENSIS* Aublet. Hernandiaceae.

139542. *LONCHOCARPUS DISCOLOR* Huber. Fabaceae.

139543. *MELOCACTUS* sp. Cactaceae.

Introduced under the name "bahiensis," for which a place of publication has not been found.

139544. *CACTUS MELOCACTOIDES* Hoffmgg. (*Melocactus depressus* Hook.) Cactaceae.

139545. *CACTUS OREAS* (Miquel) Britt. and Rose.

139546. *MELOCACTUS* sp. Cactaceae.

139547. *RHEEDIA LONGIFOLIA* Planch. and Triana. Clusiaceae.

139548. *SCHEELEA AMYLACEA* Barb.-Rodr. Phoenicaceae. Palm.

139549. *SCHEELEA LEEANDROANA* Barb.-Rodr. Palm.

139550. *SOCRATEA EXORRHIZA* (Mart.) Wendl. Phoenicaceae. Palm.

A tall handsome spineless palm, native to tropical South America, bearing small yellow flowers and olive-green fruits. It has a swollen cylindrical trunk elevated on a pyramid of exposed roots, giving it a remarkable appearance. The trunk, 35 feet or more high, bears at its summit a crown of large irregularly pinnate leaves.

For previous introduction see 99636.

139551. *TILMIA CARYOTAEOFOLIA* (H.B.K.) Cook. (*Martinezia caryotaefolia* H.B.K.) Phoenicaceae. Palm.

A slender, spiny-trunked, pinnate-leaved palm, with bright orange-red fruits borne in drooping racemes. Native to Colombia.

For previous introduction see 113756.

139552. *SWARTZIA LANGSDORFFII* Raddi (*Tounatea langsdorffii* (Raddi) Kuntze). Caesalpiniaceae.

A tall tropical tree, native to Brazil, with pinnate leaves and small yellow flowers in axillary racemes.

139553 and 139554.

From Iran. Seeds collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received November 8, 1940.

139553. *MALUS* sp. Malaceae.

No. 6651. *Sebi murabba*. From Meshed, Khirassan, July 13, 1940. Fruits 1 inch in diameter, yellow, washed red; flavor like crabapple, but more acid.

139554. *PRUNUS* sp. Amygdalaceae.

A small sour cherry.

139555 and 139556.

From Brazil. Bulbs presented by the Botanic Garden, Rio de Janeiro. Received October 31, 1940.

139555. *SINNINGIA* sp. Gesneriaceae.

Received as "*Gloquicinia* sp.," presumably a misspelling of *Gloxinia*; bulbs are apparently *Sinningia*.

139556. *HIPPEASTRUM RUTILUM* (Edwards) Herbert. Amaryllidaceae.

For previous introduction see 132709.

139557. ANNONA DIVERSIFOLIA Safford. Annonaceae. **Ilama.**

From Guatemala. Seed presented by Dr. Mariano Pacheco, Director of Agriculture, Guatemala City. Received November 14, 1940.

For previous introduction see 139284.

139558. HEVEA BRASILIENSIS (A. Juss.) Muell. Arg. Euphorbiaceae. **Para rubber tree.**

From Honduras. Seeds presented by the United Fruit Co., Tela. Received November 19, 1940.

For previous introduction see 139451.

139559. VITIS PENTAGONA Diels and Gilg. Vitaceae.

From Japan. Seed collected by P. H. Dorsett, Agricultural Explorer, Bureau of Plant Industry, United States Department of Agriculture. Numbered November 20, 1940.

No. 3167. From near Lake Shunzenji, April 1925.

For previous introduction see 103357.

139560. CASTANOSPERMUM AUSTRALE Cunn. and Fraser. Fabaceae. **Moreton-Bay-chestnut.**

From Florida. Seed presented by David K. Stabler, Lake Wales, through J. B. Berry, Waverly. Received February 13, 1940.

For previous introduction see 137694.

139561 to 139563. HEVEA BRASILIENSIS (A. Juss.) Muell. Arg. Euphorbiaceae. **Para rubber tree.**

From the Canal Zone. Cuttings presented by Michael H. Langford, Experimental Gardens, Summit. Received December 6, 1940.

139561. *G. 1.*

139562. *G. 3.*

139563. *G. 5.*

139564. CYNODON PLECTOSTACHYS (Schum.) Pilg. Poaceae. **Grass.**

From the Union of South Africa. Seed presented by the McGregor Museum, Kimberley. Received December 4, 1940.

For previous introduction see 136474.

139565 to 139572.

From New Zealand. Seed presented by Duncan & Davies, Ltd., New Plymouth. Received December 4, 1940.

139565 to 139572—Continued

139565. CELMISIA MAJOR Cheeseman. Asteraceae.

Mountain Daisy.

For previous introduction see 129777.

139566. CHORDOSPARTIUM STEVENSONI Cheeseman. Fabaceae.

For previous introduction see 134023.

139567. COROKIA COTONEASTER Raoul. Cornaceae.

For previous introduction see 77602.

139568. DODONAEA VISCOSA (L.) Jacq. Sapindaceae.

Hopbush.

Received under the varietal name "purpurea," for which a place of publication has not been found.

139569. ENTELEA ARBORESCENS R. Br. Tiliaceae.

Corkwood.

For previous introduction see 113764.

139570. NOTOSPARTIUM CARMICHAELIAE Hook f. Fabaceae.

For previous introduction see 125147.

139571. POMADERRIS ELLIPTICA Labill. Rhamnaceae.

For previous introduction see 77201.

139572. TELOPEA OREADES F. Muell. Proteaceae.

139573 to 139598. LILIUM spp. Liliaceae.

Lily.

From Japan. Seeds obtained from the Hakoneya Nurseries, Numazu-shi.
Received December 12, 1940.

139573 and 139574. LILIUM AMABILE Palibin.

139573. Typical form.

139574. Var. *Luteum*.

139575. LILIUM AMABILE × ELEGANS.

Purple Splendor.

139576. LILIUM BROWNII var. COLCHESTERI Wilson.

A trumpet-flowered lily, native throughout China from sea level to 5,000 feet altitude, often cultivated for the bulbs that are considered a table delicacy. The stems are 4 to 6 inches long, and the fragrant flowers, 4 to 6 inches long, are rose purple outside, creamy white inside, with the reflexed ends of the segments pure white.

For previous introduction see 124709.

139577. LILIUM CERNUUM × ELEGANS.

Var. *Early Dazzler*.

139578. LILIUM CONCOLOR var. BUSCHIANUM × ELEGANS.

Var. *Crimson King*.

139579 to 139581. LILIUM DAURICUM Ker.

Candlestick lily.

139579. Var. *Pardinum*.

139580. Var. *Wadai*.

139581. Var. *Wallacei*.

139582. LILIUM PHILIPPINENSE Baker.

Benguet lily.

Earliest flowering form.

For previous introduction see 135546.

139573 to 139598—Continued

139583. *LILIUM PHILIPPINENSE* var. *FORMOSANUM* (Baker) Wilson.

Tall, late-flowering form.

For previous introduction see 91300.

139584. *LILIUM HENRYI* × *AURATUM* var. *PLATYPHYLLUM*.

139585. *LILIUM HENRYI* × *SPECIOSUM* var. *MAGNIFICUM*.

139586. *LILIUM JAPONICUM* Thunb.

Received as variety "platyfolium," a name for which a place of publication has not been found.

139587. *LILIUM LEICHTLINII* var. *MAXIMOWICZII* (Regel) Baker.

For previous introduction see 135547.

139588. *LILIUM REGALE* × *NOBILISSIMUM*.

Received as *Lilium regale* × *longiflorum alexandrae*, now referred to the above.

139589. *LILIUM SPECIOSUM* Thunb.

Var. *Album-Novum*.

139590. *LILIUM SPECIOSUM* var. *MAGNIFICUM* × *AURATUM* var. *PLATYPHYLLUM*.

139591. *LILIUM SPECIOSUM* Thunb.

Var. *Punctatum*.

139592. *LILIUM SPECIOSUM* var. *PUNCTATUM* × *ROBUSTUM*.

139593. *LILIUM SPECIOSUM* Thunb.

Var. *Punctatum Rotundifolium*.

139594 to 139597. *LILIUM ELEGANS* Thunb.

139594. Var. *Maculatum*.

139595. Var. *Ovatum*.

139596. Var. *Crimson King*.

139597. Var. *Orange Queen*.

139598. *LILIUM TIGRINUM* Ker.

Var. *Fortunum* × *dauricum wilsonii*.

139599. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

From Peru. Seed presented by Alberto Martin Lynch, Chief of the Lambayeque Experiment Station, Lambayeque. Received December 20, 1940.

No. 101.

139600 to 139603.

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered December 16, 1940.

139600. *ACROCOMIA VINIFERA* Oerst. Phoenicaceae. **Palm.**

Originally received from H. H. Bartlett and T. Lasser (No. 16877), Panama City, Canal Zone.

A palm 40 feet high, native to Central America, with a spiny-ringed trunk, large arching pinnate leaves with numerous linear pinnae, and a spathe about 3 feet high. It is closely related to *Acrocomia lasiospatha*.

139601 and 139602. *BACTRIS* spp. Phoenicaceae. **Palm.**

Originally received from H. H. Bartlett and T. Lasser, Canal Zone.

139600 to 139603—Continued

139601. From Agua Clara Trail, Rio Aguardiente.

139602. From Mojinga Swamp.

139603. PYRENOGLYPHIS sp. Phoenicaceae.

Palm.

Originally received from H. H. Bartlett and T. Lasser (16951), Canal Zone.

139604 to 139606. CINCHONA spp. Rubiaceae.

From the Philippine Islands. Seeds presented by Col. Arthur F. Fischer, Manila. Received December 18, 1940.

139604. CINCHONA.

Introduced as *Cinchona hybrida*.

139605. CINCHONA OFFICINALIS L.

Introduced as *Cinchona ledgeriana*.

For previous introduction see 137132.

139606. CINCHONA PUBESCENS Vahl.

Introduced as *Cinchona succirubra*.

For previous introduction see 137138.

139607 to 139622. ANANAS spp. Bromeliaceae.

From Brazil. Suckers presented by Dr. F. C. Camargo, São Paulo Institute of Agronomy, Campinas. Received December 20, 1940.

139607 and 139608. ANANAS COMOSUS (L.) Merr.

Pineapple.

139607. *Branco*. No. 315-A.

139608. *Rudis*. No. 315.

139609. ANANAS ERECTIFOLIUS L. B. Smith.

No. 1182.

139610. ANANAS sp.

Albus. No. 3177. Received as *Ananas fritzmulleri* var. *albus*, an apparently unpublished name.

139611. ANANAS ANANASSOIDES var. NANUS. L. B. Smith.

No. 2575.

139612. ANANAS ANANASSOIDES (Baker) L. B. Smith.

No. 284. Received as *Ananas microstachys* f. *typica*, now referred to the above species.

139613 to 139617. ANANAS COMOSUS (L.) Merr.

Pineapple.

139613. *Boituva*. No. 304.

139614. *Cochinchinensis*. No. 270.

139615. *Maranhão*. No. 2003.

139616. *Paulista Inerma*. No. 307.

139617. *Viridis*. No. 299.

139618. ANANAS sp.

Rondoni. No. 273.

139619 and 139620. ANANAS.

139619. *Rondoni* × *Boituva* (F 1). No. 2001.

139620. *Rondoni* × *Ananas ananassoides* (F 1). No. 2017.

139607 to 139622—Continued

139621. ANANAS sp.

No. 1.202.

139622. ANANAS BRACTEATUS (Lindl.) Schultes.

No. 2563. Received as *Pseudananas sagenarius* f. *macrodontes*, an apparently unpublished form; the species is now referred to the above.

139623. CITRUS. Rutaceae.

From Brazil. Budsticks presented by the Institute of Agronomy, São Paulo, Campinas. Received December 20, 1940.

Collected from trees No. 2, 3, 4, 60 of the orchard of Vital Pacifico, at Araras, State of São Paulo; this tree is one of the selections of the *Baianinha araras* type.

139624. ZEPHYRANTHES ROSEA Lindl. Amaryllidaceae.

Pink zephyrlily.

From Haiti. Bulbs presented by Frederic Kebreau, Chef de la Section de Phytopathologie, Service National de la Production Agricole. Received December 21, 1940.

For previous introduction see 114190.

139625 and 139626.

From New York. Seed presented by Dr. B. A. Krukoff, New York Botanical Garden, New York. Received December 23, 1940.

139625. MUNDULEA SERICEA (Willd.) A. Chev. Fabaceae.

Originally from Pretoria, South Africa.

139626. TEPHROSIA VOGELII Hook f. (*Cracca vogelii* (Hook. f.) Kuntze.) Fabaceae.

Originally from Kenya, East Africa.

For previous introduction see 129367.

139627. STYLOSANTHES SUNDAICA Taub. Fabaceae.

From Australia. Seeds presented by J. A. Hamilton, Morganbury, Queensland. Received December 17, 1940.

INDEX OF COMMON AND SCIENTIFIC NAMES

- Acanthus* sp., 139336.
Acrocomia vinifera, 139600.
 Adlay. See *Coix lacryma-jobi* var. *ma-yuen*.
Aegiceras corniculatum, 139337.
Aegle marmelos, 139449.
Agastache breviflora, 139448.
Alangium longiflorum, 139487.
Albizzia sp., 139338.
 lebbeck, 139488.
Alocasia portei, 139489.
Alpinia spp., 139339-139341.
Astroemeria pelegrina, 139509,
 139510.
 violacea, 139511.
Amelanchier spp., 139423-139425,
 139477.
Amygdales persica, 139442, 139443,
 139445.
 persica var. *nectarina*, 139444.
Ananas, 139619, 139620.
 spp., 139610, 139618, 139621.
 ananassoides, 139612.
 ananassoides var. *nanus*, 139611.
 bracteatus, 139622.
 comosus, 139607, 139608, 139613-
 139617.
 erectifolius, 139609.
Annona diversifolia, 139284, 139557.
Antidesma sp., 139376.
Areca spp., 139342-139344.
Arenga ambong, 139490.
Artocarpus cummingiana, 139491.

Bactris spp., 139601, 139602.
Barbosa pseudococos, 139527.
Bauhinia sp., 139345.
 Bel. See *Aegle marmelos*.
Bikkia gaudichaudiana, 139346.
Boerlagiodendron sp., 139347.
 palmatum, 139492.
Bomarea sp., 139512.
 nematocaulon, 139513.
 Brush-cherry, Australian. See *Eu-
 genia australis*.

Cactus melocactoides, 139544.
 oreas, 139545.
Caesalpinia ferrea, 139531.
Calamus sp., 139348.
Callicarpa pentandra, 139403.
Calophyllum sp., 139349.
Calyptrocalyx spicatus, 139350,
 139351.

Cassia, ringworm. See *Cassia alata*.
Cassia alata, 139528.
 ferruginea, 139529.
 leptophylla, 139530.
Castanospermum australe, 139560.
Ceiba pentandra, 139493.
Celmisia major, 139565.
Celtis philippensis, 139352.
Cereus sp., 139532.
Chaenomeles japonica, 139476.
Chordospartium stevensoni, 139566.
Chorisia speciosa, 139276.
Cinchona, 139604.
 officinalis, 139605.
 pubescens, 139606.
Citrus, 139623.
Clerodendrum sp., 139353.
Clitoria racemosa, 139533.
Coix lacryma-jobi var. *ma-yuen*,
 139494.
Conanthera bifolia, 139514.
Cordia spp., 139355, 139356.
Corokia cotoneaster, 139567.
Cycas sp., 139357.
Cynodon plectostachys, 139564.
Cyrtosperma merkusii, 139495.

Daemonorops sp., 139358.
Dillenia philippinensis, 139496.
 reifferscheidia, 139497.
Dioclea macrantha, 139534.
Dodonaea sp., 139359.
 viscosa, 139568.
Dolichandrone spathacea, 139360.

Echinocactus haselbergii, 139535.
Entelea arborescens, 139569.
Epiphyllum gaertneri, 139536.
Eragrostis sp., 139486.
Erythrina sp., 139361.
Eucharis grandiflora, 139515.
Eugenia sp., 139498.
 australis, 139278.
Euonymus sp., 139414.
Eustephia sp., 139516.
Euterpe badiocarpa, 139538.
 edulis, 139539.
 oleracea, 139540.

Ficus spp., 139362-139365.
 gnaphalocarpa, 139454.
 Floss-silk-tree. See *Chorisia speciosa*.
 Frangipani, nosegay. See *Plumeria
 rubra*.

- Garcinia* sp., 139366.
 cambogia, 139279.
Gardenia philastrei, 139499.
 pseudopsidium, 139500.
Gladiolus atroviolaceus, 139273.
 Grass. See *Eragrostis* sp., *Cynodon*
 plectostachys.
 Tussock. See *Poa flabellata*.
 Vasey. See *Paspalum urvillei*.
- Heliconia* sp., 139367.
Hernandia guianensis, 139541.
 peltata, 139368.
Hevea brasiliensis, 139437-139440,
 139451, 139558, 139561-139563.
Hibiscus sp., 139369.
Hippeastrum sp., 139517.
 rutilum, 139556.
 Hopbush. See *Dodonaea viscosa*.
Hoya spp., 139370, 139371.
Hymenocallis sp., 139519.
 amancaes, 139518.
- Ilama. See *Annona diversifolia*.
Intsia bijuga, 139372.
 Ipil. See *Intsia bijuga*.
Iris persica, 139274.
Ixora sp., 139373.
- Kalopanax pictum*, 139481, 139482.
- Leea* sp., 139374.
Licuala sp., 139375.
Lilium amabile, 139573, 139574.
 amabile × *elegans*, 139575.
 brownii var. *colchesteri*, 139576.
 cernuum × *elegans*, 139577.
 concolor var. *buschianum* ×
 elegans, 139578.
 dauricum, 139579-139581.
 elegans, 139594-139597.
 henryi × *auratum* var. *platyphyl-*
 lum, 139584.
 henryi × *speciosum* var. *magnifi-*
 cum, 139585.
 japonicum, 139586.
 leichtlinii var. *maximowiczii*,
 139587.
 philippinense, 139582.
 philippinense var. *formosanum*,
 139583.
 regale × *nobilissimum*, 139588.
 speciosum, 139589, 139591,
 139593.
 speciosum var. *magnificum* ×
 auratum var. *platyphyllum*,
 139590.
 speciosum var. *punctatum* ×
 robustum, 139592.
 tigrinum, 139598.
- Lily. See *Lilium* spp.
 Benguet. See *L. philippinense*.
 candlestick. See *L. dauricum*.
Lonchocarpus discolor, 139542.
- Lycium halimifolium*, 139483.
 pallidum, 139479.
- Malus* spp., 139426-139436, 139478,
 139553.
Medinilla sp., 139501.
Melocactus spp., 139543, 139546.
 Moreton-Bay-chestnut. See *Casta-*
 nospermum australe.
Mucuna sp., 139377.
Mundulea sericea, 139625.
Musa sp., 139378.
- Nectarine. See *Amygdalus persica* var.
 nectarina.
Nephelium lappaceum, 139441.
Notospartium carmichaeliae, 139570.
- Oncosperma horridum*, 139379.
Orania palindan, 139380.
- Palm. See *Acrocomia vinifera*, *Areca*
 spp., *Arenga ambong*, *Bactris* spp.,
 Barbosa pseudococos, *Calamus* sp.,
 Calyptrocalyx spicatus, *Daemono-*
 rops sp., *Euterpe* spp., *Licuala* sp.,
 Oncosperma horridum, *Orania pa-*
 lindan, *Pigafettia elata*, *Pinanga*
 spp., *Pyrenoglyphis* sp., *Rhopalo-*
 blaste sp., *Scheelea* spp., *Socratea*
 exorrhiza, *Tilimia caryotaefolia*.
Pandanus spp., 139381, 139502.
 dubius, 139382.
 polycephalus, 139383.
Panicum miliaceum, 139280, 139281.
Paspalum urvillei, 139485.
 Peach. See *Amygdalus persica*.
Penstemon dissectus, 139455.
 rubicundus, 139480.
Philadelphus purpureo-maculatus,
 139484.
Phyllanthus sp., 139503.
Pigafettia elata, 139384.
Pinanga spp., 139385-139388, 139412.
 Pineapple. See *Ananas comosus*.
Plumeria rubra, 139505.
 rubra × *alba*, 139504.
Poa flabellata, 139282.
Pomaderris elliptica, 139571.
Populus angustifolia, 139453.
 Potato. See *Solanum tuberosum*.
Premna sp., 139389.
 odorata, 139390.
 Proso. See *Panicum miliaceum*.
Prunus sp., 139554.
Pyrenoglyphis sp., 139603.
- Rambutan. See *Nephelium lappaceum*.
Rheedia longifolia, 139547.
Rheum rhaponticum, 139446, 139447.
Rhopaloblaste sp., 139391.
 Rhubarb, common. See *Rheum*
 rhaponticum.
Rosa persica, 139452.

- Rose, Persian. See *Rosa persica*.
 Rubbertree, Para. See *Hevea brasiliensis*.
- Saccharum*, 139283, 139450.
Sandoricum koetjape, 139392, 139506.
 Santol. See *Sandoricum koetjape*.
Scheelea amylacea, 139548.
leeandroana, 139549.
Schefflera sp., 139393.
Sinningia sp., 139555.
Socratea exorrhiza, 139550.
Solanum sp., 139277.
tuberosum, 139285-139335.
Sophora tomentosa, 139394.
 Sorghum. See *Sorghum vulgare*.
Sorghum vulgare, 139456-139475.
Stenomesson spp., 139520-139523.
Sterculia spp., 139395, 139396.
Stylosanthes sundaica, 139627.
 Sugarcane. See *Saccharum*.
Swartzia langsdorffii, 139552.
- Tacca* sp., 139397.
- Telopea oreades*, 139572.
Tephrosia vogelii, 139626.
Tilnia caryotaefolia, 139551.
Trichocereus macrogonus, 139537.
Triticum aestivum, 139599.
- Undetermined, 139275, 139354, 139404-139411, 139413, 139415-139422, 139507, 139508.
Urceolina peruviana, 139524-139526.
Uvaria spp., 139398-139400.
- Vitex* sp., 139401.
Vitis pentagona, 139559.
- Wheat, common. See *Triticum aestivum*.
- Xylocarpus granatum*, 139402.
- Zephyranthes rosea*, 139624.
 Zephyrilily, pink. See *Zephyranthes rosea*.